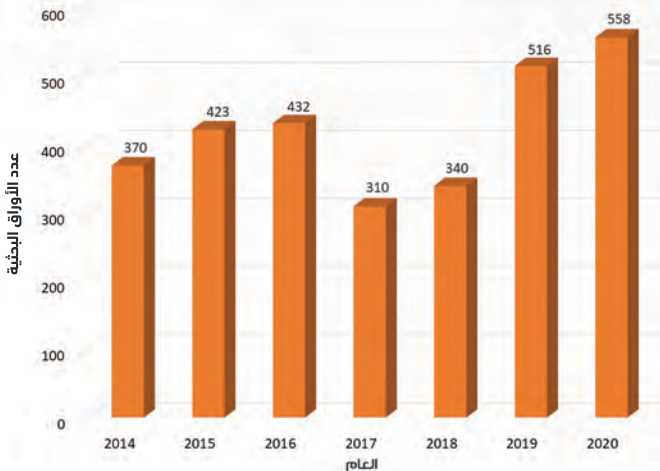


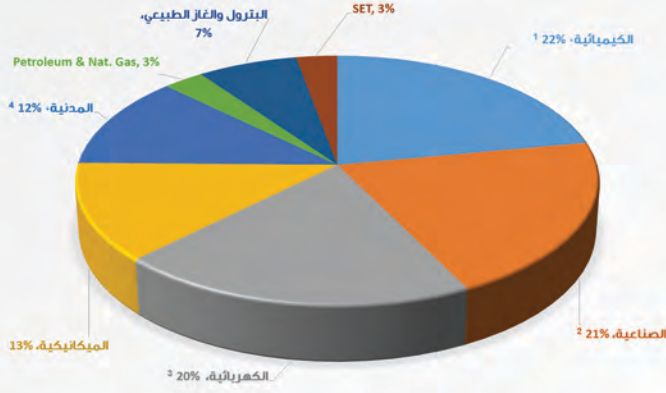
الأبحاث المنشورة في مجلات مفهرسة في قاعدة بيانات
شبكة العلوم (ISI) في عام 2020
كلية الهندسة - جامعة الملك سعود

* العدد الكلي للأبحاث المنشورة خلال الفترة ٢٠١٤ - ٢٠٢٠



* يتضمن الأوراق العلمية المنشورة من المراكز البحثية: CEREM و SET
SET : مركز تقنيات الطاقة المستدامة
CEREM : مركز التميز البحثي في المواد الهندسية

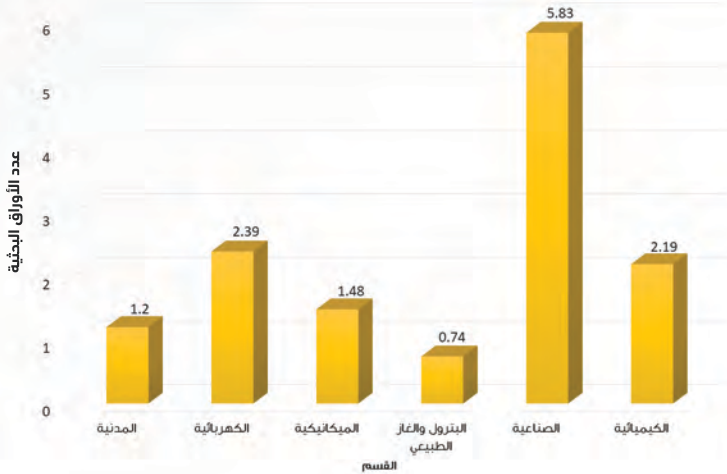
نسبة مشاركة الأقسام الأكاديمية والمراكز البحثية في الأبحاث المنشورة



⁴ يشمل الأبحاث المنشورة من:
كرسي بشأن لأبحاث التربة النتفاخية
مركز التميز البحثي لأبحاث واختبارات الخرسانة
كرسي المعلم محمد بن لادن لأبحاث ودراسات تقوية وإعادة تأهيل المنشآت

¹ يشمل الأبحاث المنشورة من مركز سابك لأبحاث البوليمرات
² يشمل الأبحاث المنشورة من كرسي رابنسون لهندسة النظم
³ يشمل الأبحاث المنشورة من مركز الابتكار التقني للترددات الراديوية والضوئيات

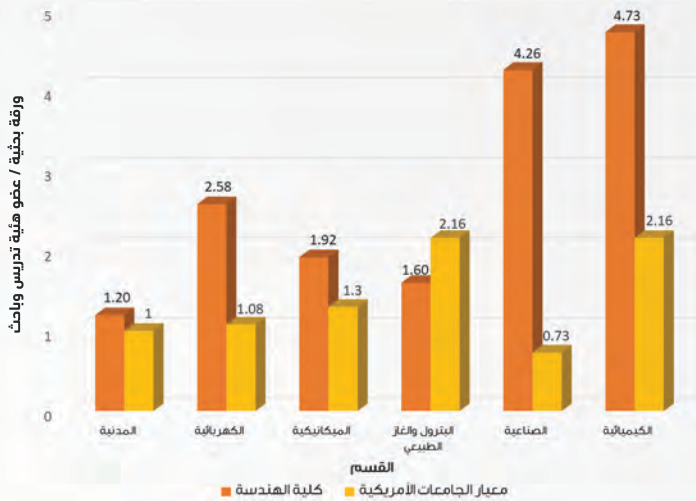
نسبة مشاركة الأقسام الأكاديمية والمراكز البحثية في الأبحاث المنشورة



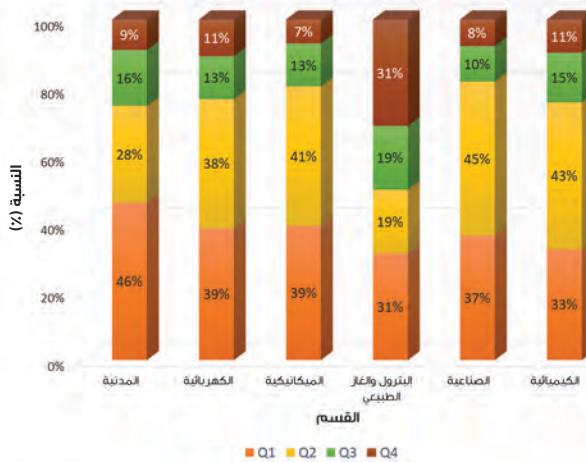
* معيار المقارنة للجامعات الأمريكية: متوسط أفضل ٣٠ جامعة في أمريكا

المصدر: <https://www.nap.edu/catalog/12993/a-data-based-assessment-of-research-doctorate-programs-in-the-united-states-with-cd>

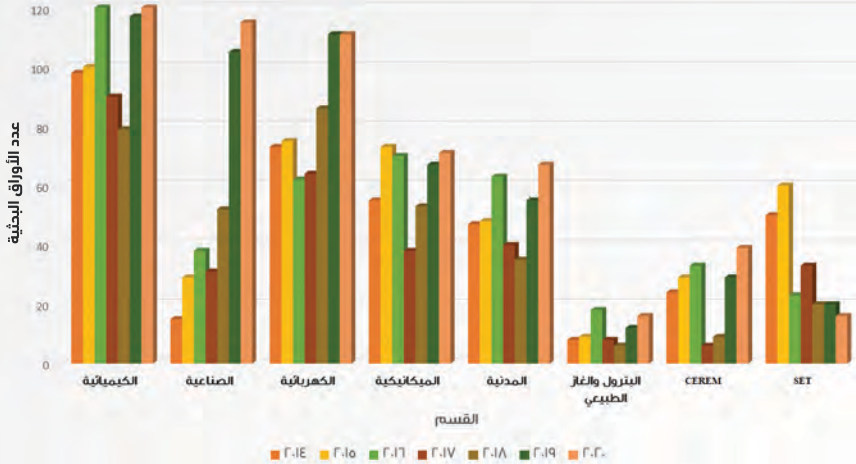
معدل النشر لكل عضو هيئة تدريس مقارنة بمعيار الجامعات الأمريكية



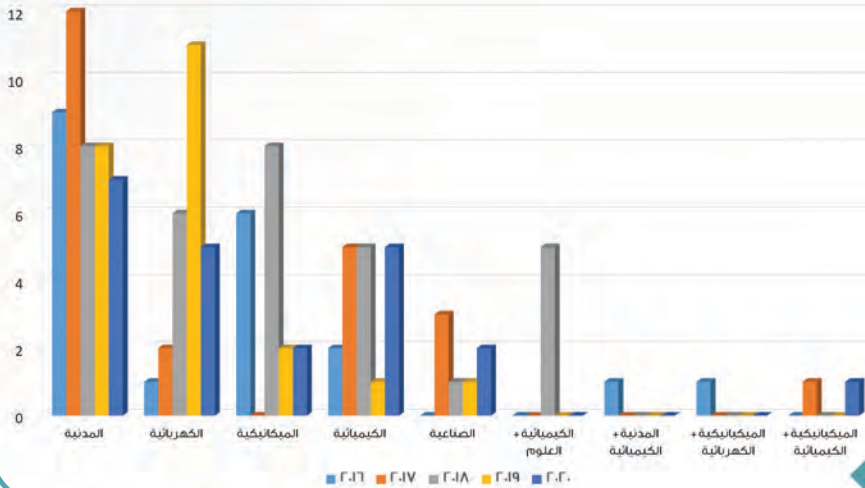
جودة الأبحاث (حسب التصنيفات الربعية JCR)



الأوراق البحثية (ISI) لأقسام الكلية خلال الفترة ٢٠٢٠-٢٠١٤



براءات الاختراع الممنوحة لأقسام الكلية خلال الفترة ٢٠٢٠-٢٠١٦



للإطلاع على تفاصيل الأبحاث المنشورة الرجاء زيارة الصفحة التالية

وكالة الدراسات العليا والبحث العلمي
كلية الهندسة - جامعة الملك سعود
بريد إلكتروني: coe_d@ksu.edu.sa

Research published in ISI Journals in 2020

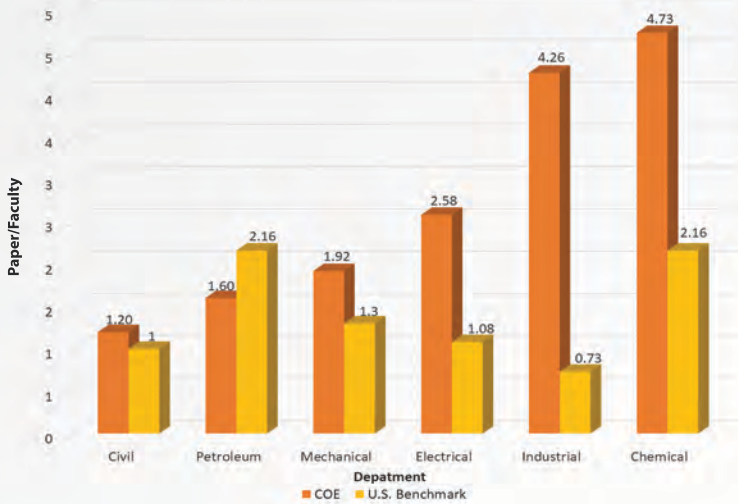
College of Engineering – King Saud University

Total Number of ISI Papers published in 2020-2014*

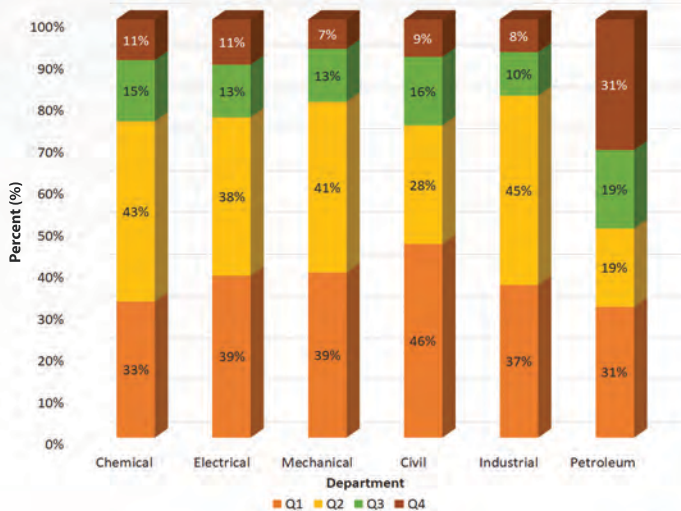


* Includes papers produced by Research Centers SET.& CEREM
SET: Sustainable Energy Technology Centre.
CEREM: Centre of Excellence for Research in Engineering Material.

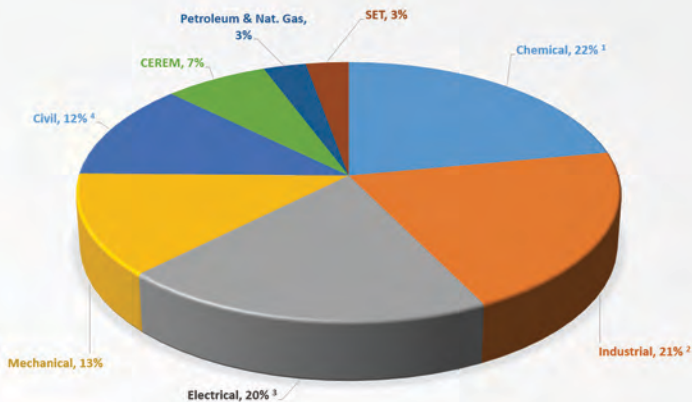
ISI Papers per faculty member of COE-KSU versus US benchmark



Quality of ISI papers (Q-percentage) as per JCR quartile rankings



Percentage contribution of academic departments and research centers



¹ includes publications by SABIC Polymer Research Center

² includes publications by Raytheon Chair Syst Engineering

³ includes publications by Technology Innovation Center (RFTONICS)

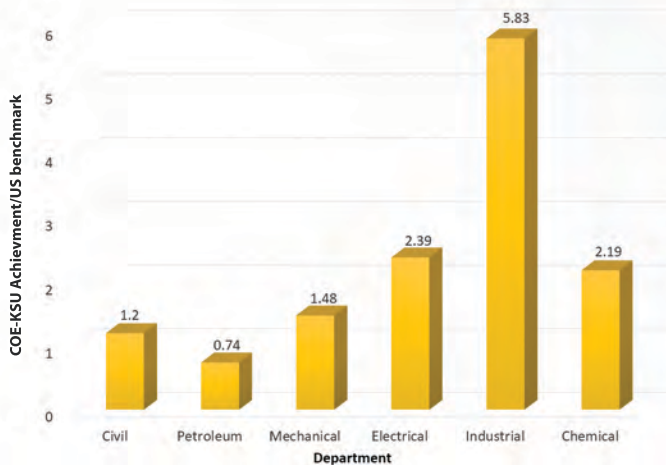
⁴ includes publications by:

Bugshan Research Chair in Expansive Soils

Center of Excellence for Concrete Research & Testing

MMB Chair for Research & Studies in Strengthening & Rehabilitation of Structures

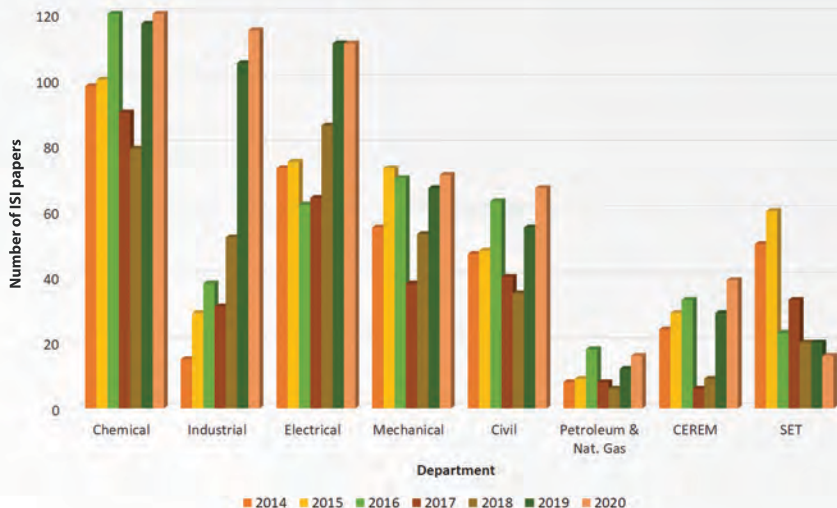
COE-KSU achievement/US benchmark*



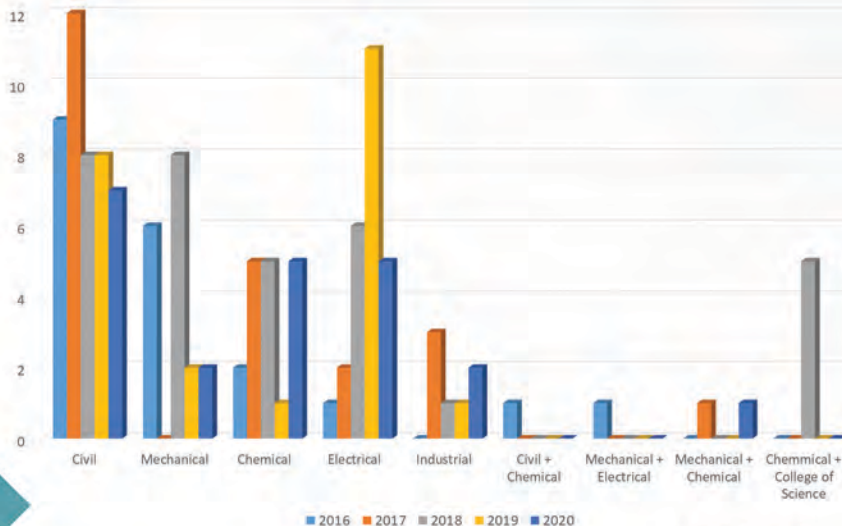
* U.S. Benchmark: Average for top 100 US Universities

Source: <https://www.nap.edu/catalog/11999/a-data-based-assessment-of-research-doctorate-programs-in-the-united-states-with-cd>

ISI Papers by COE departments during the years 2020-2014



Granted patents to COE departments for the years 2020 - 2016



For the details of publications please visit

Deanship for Graduate Study and Research
College of Engineering – King Saud University
E-mail: coe_d@ksu.edu.sa



Details of Published ISI Papers & Patent (2020)

Authors in blue color: From College of Engineering, KSU Members

Authors in black color: External, non KSU Members

Chemical Engineering Department & SABIC Polymer Research Center.....	2
Electrical Engineering Department & Technology Innovation Center (RFTONICS)	53
Mechanical Engineering Department	94
Civil Engineering Department & Bugshan Research Chair in Expansive Soils Center of Excellence for Concrete Research & Testing MMB Chair for Research & Studies in Strengthening & Rehabilitation of Structures.....	122
Industrial Engineering Department & Raytheon Chair Syst Engineering.....	144
Petroleum & Natural Gas Engineering Department	188
Sustainable Energy Technology Centre (SET)	196
Centre of Excellence for Research in Engineering Material (CEREM).....	205
Granted Patents (2020)	223

**Chemical Engineering Department
&
SABIC Polymer Research Center**

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF Quartile
1	H ₂ Production from Catalytic Methane Decomposition Using Fe/x-ZrO ₂ and Fe-Ni/(x-ZrO ₂) (x = 0, La ₂ O ₃ , WO ₃) Catalysts	Fahad Al-Mubaddel [1,2] Samsudeen Kasim [1] Ahmed A. Ibrahim [1] Abdulrhman S. Al-Awadi [1] Anis H. Fakeeha [1,2] Ahmed S. Al-Fatesh [1]	[1] Chemical Engineering Department, College of Engineering, King Saud University, [2] King Abdullah City for Atomic & Renewable Energy, Energy Research & Innovation Center (ERIC)	Catalysts	July 2020	3.520 Q-2
2	Development of a Chemical Health Risk Assessment Tool for Health Risk Assessment from Exposure to Hazardous Chemicals	Mohanad El-Harbawi [1] Aira Amira Abd Raman [2] Fahad Al-Mubadde [1]	[1] Department of Chemical Engineering, King Saud University [2] Chemical Engineering Department, Universiti Teknologi PETRONAS, Malaysia	Biomedical Journal	June 2020	3.697 Q-2
3	Magnetic/Polyetherimide-Acrylonitrile Composite Nanofibers for Nickel Ions Removal from Aqueous Solution	Muhammaed O Aijaz [1,2] Mohammed R Karim [1,3] Hamad F. Alharbi [1,4] Nabeel H. Alharthi [4] Fahad Al-Mubadd [3,5] Hany S. Abdo [1,6]	[1] Center of Excellence for Research in Engineering Materials (CEREM), King Saud University, [2] Advanced Membrane Technology Research Centre (AMTEC), School of Chemical and Energy, Engineering (SCEE), Faculty of Engineering, Universiti Teknologi Malaysia (UTM), Skudai, Johor 81310, Malaysia [3] K.A. CARE Energy Research and Innovation Center, Riyadh 11451, Saudi Arabia [4] Mechanical Engineering Department, King Saud University,	Membranes	November 2020	3.094 Q-2

			[5] Chemical Engineering Department, King Saud University; [6] Mechanical Design and Materials Department, Faculty of Energy Engineering, Aswan University, Aswan 81521, Egypt;			
4	Risk of Fire and Explosion in Electrical Substations Due to the Formation of Flammable Mixtures	Mohanad El-Harbawi [1] Fahad Al-Mubaddel [1]	[1] Chemical Engineering Department, King Saud University;	Scientific Reports	April 2020	3.998 Q-1
5	Role of Mixed Oxides in Hydrogen Production through the Dry Reforming of Methane over Nickel Catalysts Supported on Modified-Al ₂ O ₃	Ahmed Sadeq Al-Fatesh [1] Mayankkumar Lakshmanbhai Chaudhary [2] Anis Hamza Fakeeha [1,3] Ahmed Aidid Ibrahim [1] Fahad Al-Mubaddel [1,3] Samsudeen Olajide Kasim [1] Yousef Abdulrahman Albaqmaa [1] Abdulaziz A. Bagabas [4] Rutu Patel [2] Rawesh Kumar [2]	[1] Chemical Engineering Department, College of Engineering, King Saud University, [2] Sankalchand Patel University, Visnagar 384315, India [3] King Abdullah City for Atomic & Renewable Energy, Energy Research & Innovation Center (ERIC) [4] National Petrochemical Technology Center (NPTC), Materials Science Research Institute (MSRI), King Abdulaziz City for Science and Technology (KACST)	Processes	15 January 2021 Online 2020	2.752 Q-2
6	A novel graphene oxide-based ceramic composite as an efficient electrode for capacitive deionization	Khalil Abdelrazek Khalil [1] Nasser A. M. Barakat [1] Moaeed Motlak [1] Fahad S. Al-Mubaddel [1]	[1] Chemical Engineering Department, King Saud University	Scientific Reports	June 2020	3.998 Q-1
7	Study of Partial Oxidation of Methane by Ni/Al ₂ O ₃ Catalyst: Effect of Support Oxides of Mg,	Ahmed A. Ibrahim [1] Wasim U. Khan [1]	[1] Chemical Engineering Department, College of Engineering, [2] King Abdullah City for Atomic &	Molecules	Oct 2020	2.752 Q-2

	Mo, Ti and Y as Promoters	Fahad Al-Mubaddel [1,2] Ahmed S. Al-Fatesh [1] Samsudeen O. Kasim [1] Sofiu L. Mahmud [1] Ateyah A. Al-Zahrani [1] M. Rafiq H. Siddiqui [3] Anis H. Fakeeha [1]	Renewable Energy: Energy Research & Innovation Center (ERIC) [3] Chemistry Department, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia			
8	High yield activated porous coal carbon nanosheets from Boropukuria coal mine as supercapacitor material: Investigation of the charge storing mechanism at the interfacial region	Islam, T (Islam, Tamanna)[1] Hasan, MM (Hasan, Md. Mahedi)[1] Shah, SS (Shah, Syed Shaheen)[2] Karim, MR (Karim, Mohammad R.) [3,4] Al-Mubaddel, FS (Al-Mubaddel, Fahad S.)[5] Zahir, MH (Zahir, Md. Hasan)[6] Dar, MA (Dar, Mushtaq A.) [3] Hossain, MD (Hossain, Md. Delwar)[1] Aziz, MA (Aziz, Md. Abdul)[2] Ahammad, AJS (Ahammad, A. J. Saleh)[1]	[1] Jagannath Univ, Dept Chem, Dhaka 1100, Bangladesh [2] King Fahd Univ Petr & Minerals, Ctr Res Excellence Nanotechnol, Dhahran 31261, Saudi Arabia [3] King Saud Univ, Ctr Excellence Res Engn Mat [4] KA CARE Energy Res & Innovat Ctr, Riyadh 11451, Saudi Arabia [5] King Saud Univ, Dept Chem Engr [6] King Fahd Univ Petr & Minerals, Ctr Res Excellence Renewable Energy, Dhahran 31261, Saudi Arabia	Journal Of Energy Storage	Dec 2020	3.762 Q-2
9	Improved salt rejection, hydrophilicity and mechanical properties of novel thermoplastic polymer/chitosan nanofibre membranes	Al-Mubaddel, FS (Al-Mubaddel, Fahad S.) [1,2] AlRomaih, HS (AlRomaih, Hamad S.)[3] Karim, MR (Karim, Mohammad	[1] King Saud Univ, Chem Engr Dept, Riyadh, Saudi Arabia [2] KA CARE Energy Res & Innovat Ctr, Riyadh, Saudi Arabia [3] King Abdulaziz City Sci &	Journal of Engineered Fibers And Fabrics	MAY 2020	0.814 Q-3

		Rezaul)[2,4] Luqman, M (Luqman, Monis)[5] Al-Rashed, MM (Al-Rashed, Maher M.)[1] Mutairi, AS (Al-Mutairi, Abdullah S.)[1]	Technol, Natl Ctr Water Technol, Riyadh, Saudi Arabia [4] King Saud Univ, Ctr Excellence Res Engrn Mat CEREM [5] King Saud Univ, Mech Engrn Dept, Riyadh, Saudi Arabia			
10	Optimizing acido-basic profile of support in Ni supported La ₂ O ₃ +Al ₂ O ₃ catalyst for dry reforming of methane	Fahad S.Al-Mubaddel [a,b] RaweshKumar [c] Mahmud LanreSofiu [a] FrancescoFrusteri [d] Ahmed AididIbrahim [a] Vijay KumarSrivastava [c] Samsudeen OlajideKasim [a] Anis HamzaFakeeha [a,b] Ahmed ElhagAbasaeed [a] Ahmed I.Osman [e] Ahmed SadeqAl-Fatesh [a]	[a] Chemical Engineering Department, College of Engineering, King Saud University, [b] King Abdullah City for Atomic & Renewable Energy, Energy Research & Innovation Center (ERIC) [c] Sankalchand Patel University, Visnagar, Gujarat, 384315, India [d] CNR-ITAE, Istituto di Tecnologie Avanzate per Energia "Nicol a GiordaV ,"noiLu .a Scia Sopr a Contesse 5, 98126, Messina, Italy [e] School of Chemistry and Chemical Engineering, Queen's University Belfast, Belfast BT9 5AG, Northern Ireland, UK	International Journal of Hydrogen Energy	Nov 2020	4.939 Q-2
11	Screening of ionic liquids for gas separation using COSMO-RS and comparison between performances of ionic liquids and aqueous alkanolamine solutions	Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[1] Althuluth, M (Althuluth, Mamoun)[2] Mokraoui, S (Mokraoui, Salim)[1] Wazeer, I (Wazeer, Irfan)[1] Ali, E (Ali, Emad)[1] Richon, D (Richon,	[1] King Saud Univ, Coll Engrn, Chem Engrn Dept, Riyadh, Saudi Arabia [2] Near East Univ, Petr & Gas Engrn, Nicosia, Cyprus [3] Univ KwaZulu Natal, Sch Engrn, Thermodynam Res Unit, Howard Coll Campus, Durban, South Africa	Chemical Engineering Communications	Sep 2020	1.802 Q-3

		Dominique)[3]				
12	Synthesis, Characterization, and Antimicrobial Toxicity Study of Dicyanamide-Based Ionic Liquids and Their Application to Liquid-Liquid Extraction	El Blidi, L (El Blidi, Lahssen)[1] Saleh, J (Saleh, Jehad)[1] Ben Ghanem, O (Ben Ghanem, Ouahid)[2,3] El-Harbawi, M (El-Harbawi, Mohanad)[1] Leveque, JM (Leveque, Jean-Marc)[4] Hadj-Kalia, MK (Hadj-Kalia, Mohamed K.)[1]	[1] King Saud Univ, Chem Engn Dept [2] Univ Teknol Petronas, Dept Chem Engn, Tronoh 31750, Perak, Malaysia [3] Qatar Tech, Dept Proc Plant Operat, Doha, Qatar [4] Univ Savoie Mt Blanc, LRP UMR 5520, F-73000 Chambéry, France	Journal of Chemical And Engineering Data	Jan 2020	2.369 Q-2
13	Understanding and enhancing the direct contact membrane distillation performance by modified heat transfer correlation	Emad Ali, Mohamed K. Hadj-Kali [1] Jamel Orfi [2]	[1] King Saud Univ, Coll Engn, Chem Engn Dept, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh, Saudi Arabia	Canadian Journal of Chemical Engineering	Jan 2020	1.687 Q-3
14	Fitting of experimental viscosity to temperature data for deep eutectic solvents	Al-Dawsari, JN (Al-Dawsari, Jiyad N.)[1,2] Bessadok-Jemai, A (Bessadok-Jemai, Abdelbasset)[1] Wazeer, I (Wazeer, Irfan)[1] Mokraoui, S (Mokraoui, Salim)[1] AlMansour, MA (AlMansour, Muath A.)[1] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[1]	[1] King Saud Univ, Chem Engn Dept [2] King Abdulaziz City Sci & Technol, Riyadh 11442, Saudi Arabia	Journal of Molecular Liquids	Jul 2020	5.065 Q-1
15	Characterization of tetraethylene glycol-based deep eutectic solvents and their potential application for dissolving unsaturated fatty acids	Hayyan, A (Hayyan, Adeeb)[1,2] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[3]	[1] Univ Malaya, Fac Engn, Dept Chem Engn, Kuala Lumpur 50603, Malaysia [2] Univ Malaya, Fac Engn, Ctr	Journal of Molecular Liquids	Aug 2020	5.065 Q-1

17	Polyethylene glycol-based deep eutectic solvents as a novel agent for natural gas sweetening	Aldawsari, JN (Aldawsari, Jiyad N.)[1,2] Adeyemi, IA (Adeyemi, Idowu A.)[3] Bessadok-Jemai, A (Bessadok-Jemai, Abdelbasset)[1] Ali, E (Ali, Emad)[1] AlNashef, IM (AlNashef, Inas M.)[3] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[1]	[1] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia [2] King Abdulaziz City Sci & Technol, Riyadh, Saudi Arabia [3] Khalifa Univ, Dept Chem Engn, SAN Campus, Abu Dhabi, U Arab Emirates	Plos One	Sep 2020	2.74 Q-2
18	Performance of p-Toluenesulfonic Acid-Based Deep Eutectic Solvent in Denitrogenation: Computational Screening and Experimental Validation	marudin, AF (Kamarudin, Ainul F.)[1,2] Hizaddin, HE (Hizaddin, Haneec E.)[1,2] El-blidi, L (El-blidi, Lahssen)[3] Ali, E (Ali, Emad)[3] Hashim, MA (Hashim, Mohd A.)[1,2] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[3]	[1] Univ Malaya, Univ Malaya Ctr Ion Liquids UMCiL, Kuala Lumpur 50603, Malaysia [2] Univ Malaya, Fac Engn, Dept Chem Engn, Kuala Lumpur 50603, Malaysia [3] King Saud Univ, Chem Engn Dept	Molecules	Nov 2020	3.267 Q-2
19	Utilization of Deep Eutectic Solvents to Reduce the Release of Hazardous Gases to the Atmosphere: A Critical Review	Wazeer, I (Wazeer, Irfan)[1] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[1] Al-Nashef, IM (Al-Nashef, Inas M.)[2]	[1] King Saud Univ, Dept Chem Engn [2] Khalifa Univ Sci & Technol, Masdar Inst, Dept Chem Engn, POB 54224, Abu Dhabi, U Arab Emirates	Molecules	Dec 2020 Online	3.267 Q-2
20	Reaction time dependent in situ synthesized and morphology altered chrysanthemum to marigold -flower like zinc cobaltite and zinc oxide	Kumar, NS (Kumar, Nadavala Reddy [2]	[1] King Saud Univ, Dept Chem Engn [2] Yeungnam Univ, Sch Chem Engn, 280 Daehak Ro, Gyongsan,	Journal of the Taiwan Institute of Chemical	Nov 2020	4.794 Q-1

	composite for energy storage devices	VRM (Reddy, Vasudeva Reddy Minnam)[2] Asif, M (Asif, Mohammad)[1] Boumaza, M (Boumaza, Mourad)[1] Mallikarjuna, K (Mallikarjuna, Koduru)[3,4]	Gyeongsangbuk D, South Korea [3] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [4] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam	Engineers		
21	Utilization of polyethylene terephthalate waste as a carbon filler in polypropylene matrix: Investigation of mechanical, rheological, and thermal properties	Poulose, AM (Poulose, Anesh Manjaly)[1] Elnour, AY (Elnour, Ahmed Yagoub)[2] Kumar, NS (Kumar, Nadavala Siva)[2] Alhamidi, A (Alhamidi, Abdullah)[2] George, J (George, Justin)[3] Al-Ghurabi, EH (Al-Ghurabi, Ebrahim H.)[2] Boumaza, M (Boumaza, Mourad)[2] Al-Zahrani, S (Al-Zahrani, Saeed)[1]	[1] King Saud Univ, Dept Chem Engr, Sabic Polymer Res Ctr [2] King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia [3] Univ Auckland, Ctr Adv Composite Mat, Auckland, New Zealand	Journal of Applied Polymer Science	Nov 2020	2.52 Q-2
22	Erbium-substituted Ni _{0.4} Co _{0.6} Fe ₂ O ₄ ferrite nanoparticles and their hybrids with reduced graphene oxide as magnetically separable powder photocatalyst	Iftikhar, A (Iftikhar, Ayesha)[1] Yousaf, S (Yousaf, Sheraz)[1] Ali, FAA (Ali, Fekri A. Ahmed)[2] Haider, S (Haider, Sajjad)[2] Khan, SUD (Khan, Salah Ud-	[1] Islamia Univ Bahawalpur, Dept Chem, Baghdad UI Jadeed Campus, Bahawalpur 63100, Pakistan [2] King Saud Univ, Dept Chem Engr, Coll Engr [3] King Saud Univ, Coll Engr, SET Ctr	Ceramics International	Jan 2020	3.83 Q-1

		Din)[3] Shakir, I (Shakir, Imran)[3] Iqbal, F (Iqbal, Faisal)[4] Warsi, MF (Warsi, Muhammad Farooq)[1]	[4] Islamia Univ Bahawalpur, Dept Phys, Baghdad Ul Jadeed Campus, Bahawalpur 63100, Pakistan			
23	Advances in the scaffolds fabrication techniques using biocompatible polymers and their biomedical application: A technical and statistical review	Haider, A (Haider, Adnan)[1,2] Haider, S (Haider, Sajjad)[3] Kummara, MR (Kummara, Madhusudana Rao)[2] Kamal, T (Kamal, Tahseen)[4] Alghyamah, AAA (Alghyamah, Abdul-Aziz A.)[3] Iftikhar, FJ (Iftikhar, Faiza Jan)[5] Bano, B (Bano, Bushra)[6] Khan, N (Khan, Naeem)[1] Afridi, MA (Afridi, Mohammad Amjid)[7] Han, SS (Han, Sung Soo)[2] Alrahlah, A (Alrahlah, Ali)[8,9] Khan, R (Khan, Rawaiz)[8]	[1] Kohat Univ Sci & Technol, Dept Chem, Kohat 26000, KP, Pakistan [2] Yeungnam Univ, Coll Engn, Dept Nano Med & Polymer Mat, 280 Daehak Ro, Gyongsan 712749, South Korea [3] King Saud Univ, Coll Engn, Dept Chem Engn [4] King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah 21589, Saudi Arabia [5] Quaid i Azam Univ, Dept Chem, Islamabad, Pakistan [6] Khyber Med Univ, Inst Basic Med Sci, Peshawar, KP, Pakistan [7] Gajju Khan Med Coll, Dept Pathol, Swab, KP, Pakistan [8] King Saud Univ, Coll Dent, Engineer Abdullah Bugshan Res Chair Dent & Oral R, Riyadh, Saudi Arabia [9] King Saud Univ, Coll Dent, Restorat Dent Sci Dept, Riyadh, Saudi Arabia	Journal of Saudi Chemical Society	Feb 2020	3.517 Q-2

24	Arabinoxylan-co-AA/HAp/TiO ₂ nanocomposite scaffold a potential material for bone tissue engineering: An in vitro study	Khan, MUA (Khan, Muhammad Umar Aslam)[1,2,3] Haider, S (Haider, Sajjad)[4] Shah, SA (Shah, Saqlain A.)[5] Abd Razak, SI (Abd Razak, Saiful Izwan)[2,6] Abu Hassan, S (Abu Hassan, Shukur)[6] Kadir, MRA (Kadir, Mohammed Rafiq Abdul)[2] Haider, A (Haider, Adnan)[7]	[1] Univ Punjab, Dept Polymer Engn & Technol, Lahore 54590, Pakistan [2] Univ Teknol Malaysia, Fac Engn, Sch Biomed Engn & Hlth Sci, Johor Baharu 81300, Malaysia [3] Shanghai Jiao Tong Univ, Sch Biomed & Engn, Dongchuan Rd 800, Shanghai 200240, Peoples R China [4] King Saud Univ, Coll Engn, Dept Chem Engn [5] Forman Christian Coll Univ, Phys Dept, Nanotechnol & Biomat Lab, Lahore 54000, Pakistan [6] Univ Teknol Malaysia, Ctr Adv Composite Mat, Sakudai, Johor, Malaysia [7] Natl Univ Med Sci, Dept Biol Sci, Rawalpindi, Punjab, Pakistan	International Journal of Biological Macromolecules	May 2020	5.162 Q-1
25	Development of theoretical-computational model for radiation shielding	Khan, SUD (Khan, Salah Ud-Din)[1,2] Khan, SUD (Khan, Shahab Ud-Din)[3] Almutairi, Z (Almutairi, Zeyad)[1,2,4,5] Haider, S (Haider, Sajjad)[6] Ali, SM (Ali, Syed Mansoor)[7]	[1] King Saud Univ, Sustainable Energy Technol Ctr [2] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia [3] Natl Tokamak Fus Program, Islamabad, Pakistan [4] King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh, Saudi Arabia [5] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia [6] King Saud Univ, Chem Engn Dept,	Journal of Radiation Research and Applied Sciences	2020	1.804 Q-3

			Riyadh, Saudi Arabia [7] King Saud Univ, Dept Phys & Astron, Riyadh, Saudi Arabia			
26	Dysprosium substituted nickel cobalt ferrite nanomaterials and their composites with reduced graphene oxide for photocatalysis	Shahid, M (Shahid, Muhammad)[1] Alsafari, IA (Alsafari, Ibrahim A.)[1,2] Jamil, A (Jamil, Akmal)[1] Ali, FAA (Ahmed Ali, Fekri A.)[3] Haider, S (Haider, Sajjad)[3] Agboola, P (Agboola, Philips)[4] Shakir, I (Shakir, Imran)[5]	[1] Univ Hafr Al Batin, Coll Sci, Dept Chem, Hafar al Batin, Saudi Arabia [2] Univ Hafr Al Batin, Dept Biol, Coll Sci, Hafar al Batin, Saudi Arabia [3] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia [4] King Saud Univ, Coll Engn Al Muzahmia Branch, Riyadh, Saudi Arabia [5] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr	Journal of Taibah University For Science	Jan 2020	1.863 Q-3
27	Novel functional antimicrobial and biocompatible arabinoxylan/guar gum hydrogel for skin wound dressing applications	Khan, MUA (Khan, Muhammad Umar Aslam)[1,2,3] Raza, MA (Raza, Mohsin Ali)[2] Abd Razak, SI (Razak, Saiful Izwan Abd)[3,4] Kadir, MRA (Abdul Kadir, Mohammed Rafiq)[3] Haider, A (Haider, Adnan)[5] Shah, SA (Shah, Saqlain A.)[6] Yusof, AHM (Mohd Yusof, Abdul Halim)[7] Haider, S (Haider, Sajjad)[8] Shakir, I (Shakir, Imran)[9] Aftab, S (Aftab, Saira)[10]	[1] Univ Punjab, Dept Polymer Engrg & Technol, Lahore 54590, Pakistan [2] Univ Punjab, CEET, Dept Met & Mat Engrg, Lahore, Pakistan [3] Univ Teknol Malaysia, Sch Biomed Engrg & Hlth Sci, Fac Engrg, Skudai, Johor, Malaysia [4] Univ Teknol Malaysia, Ctr Adv Composite Mat, Skudai, Johor, Malaysia [5] Natl Univ Med Sci, Dept Biol Sci, Rawalpindi, Punjab, Pakistan [6] Forman Christian Coll Univ, Phys Dept, Nanotechnol & Biomat Lab, Lahore, Pakistan [7] Univ Teknol Malaysia, Sch Chem	Journal of Tissue Engineering and Regenerative Medicine	Aug 2020	3.078 Q-2

			& Energy Engn, Fac Engn, Skudai, Johor, Malaysia [8] King Saud Univ, Dept Chem Engn, Coll Engn [9] King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, Riyadh, Saudi Arabia [10] Univ Punjab, Sch Biol Sci, Lahore, Pakistan			
28	Binder free mesoporous Ag-doped Co ₃ O ₄ nanosheets with outstanding cyclic stability and rate capability for advanced supercapacitor applications	Aadil, M (Aadil, Muhammad)[1,2] Zulfqar, S (Zulfqar, Sonia)[3] Shahid, M (Shahid, Muhammad)[1,4] Haider, S (Haider, Sajjad)[5] Shakir, I (Shakir, Imran)[6] Warsi, MF (Warsi, Muhammad Farooq)[1]	[1] Islamia Univ Bahawalpur, Dept Chem, Baghdad Ul Jadeed Campus, Bahawalpur 63100, Pakistan [2] Govt Degree Coll Makhdoom Aali, Lodhran, Punjab, Pakistan [3] Amer Univ Cairo, Sch Sci & Engn, Dept Chem, New Cairo 11835, Egypt [4] Univ Hafr Al Batin, Dept Chem, Coll Sci, POB 1803, Hafar al Batin 31991, Saudi Arabia [5] King Saud Univ, Coll Engn, Chem Engn Dept [6] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr	Journal of Alloys and Compounds	Dec 2020	4.65 Q-2
29	Erbium substituted nickel-cobalt spinel ferrite nanoparticles: Tailoring the structural, magnetic and electrical parameters	Warsi, MF (Warsi, Muhammad Farooq)[1] Iftikhar, A (Iftikhar, Ayesha)[1] Yousuf, MA (Yousuf, Muhammad Asif)[1] Sarwar, MI (Sarwar, Muhammad Ilyas)[2]	[1] Islamia Univ Bahawalpur, Dept Chem, Baghdad Ul Jadeed Campus, Bahawalpur 63100, Pakistan [2] Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan [3] King Saud Univ, Dept Chem Engn, Coll Engn	Ceramics International	Oct 2020	3.83 Q-1

		Yousaf, S (Yousaf, Sheraz)[1] Haider, S (Haider, Sajjad)[3] Aboud, MFA (Aboud, Mohamed F. Aly)[4] Shakir, I (Shakir, Imran)[4] Zulfiqar, S (Zulfiqar, Sonia)[5]	[4] King Saud Univ, Sustainable Energy Technol SET Ctr, Coll Engn [5] Amer Univ Cairo, Sch Sci & Engn, Dept Chem, New Cairo 11835, Egypt			
30	Identification of potential inhibitors of Zika virus NS5 RNA-dependent RNA polymerase through virtual screening and molecular dynamic simulations	Noreen (Noreen)[1,2] Ali, R (Ali, Roshan)[1] Badshah, SL (Badshah, Syed Lal)[2] Faheem, M (Faheem, Muhammad)[3] Abbasi, SW (Abbasi, Sumra Wajid)[3] Ullah, R (Ullah, Riaz)[4] Bari, A (Bari, Ahmed)[5] Jamal, SB (Jamal, Syed Babar)[3] Mahmood, HM (Mahmood, Hafiz Majid)[6] Haider, A (Haider, Adnan)[3] Haider, S (Haider, Sajjad)[7]	[1] Khyber Med Univ, Inst Basic Med Sci, Peshawar, Pakistan [2] Islamia Coll Univ, Dept Chem, Peshawar, Pakistan [3] Natl Univ Med Sci, Dept Biol Sci, Rawalpindi, Pakistan [4] King Saud Univ, Coll Pharm, Dept Pharmacognosy MAPPRC, Riyadh, Saudi Arabia [5] King Saud Univ, Coll Pharm, Dept Pharmacuitcal Chem, Riyadh, Saudi Arabi [6] King Saud Univ, Coll Pharm, Dept Pharmacol, Riyadh, Saudi Arabia [7] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia	Saudi Pharmaceutical Journal	Dec 2020	2.879 Q-2
31	Green nanogold activity in experimental breast carcinoma in vivo	Hendi, AA (Hendi, Awatif A.)[1,2] El-Nagar, DM (El-Nagar, Doaa Mohamed)[3,4] Awad, MA (Awad, Manal A.)[5] Ortashi, KM (Ortashi, Khalid	[1] Princess Nourah Bint Abdul Rahman Univ, Phys Dept, Coll Sci, Riyadh, Saudi Arabia [2] Sattam Univ, Fac Sci & Humanities, Hota Bani Tamim, Saudi Arabia [3] King Saud Univ, Zool Dept, Coll	Bioscience Reports	Nov 2020	2.942 Q-3

		M.)[6] Alnamlah, RA (Alnamlah, Reema Abdullah)[1] Merghani, NM (Merghani, Nada M.)[7,8]	Sci [4] Ain Shams Univ, Fac Women Sci Arts & Educ, Cairo, Egypt [5] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [6] King Saud Univ, Dept Chem Engn [7] King Saud Univ, Cent Lab [8] King Saud Univ, Prince Naif Ctr Heath Sci Res			
32	Red sand synthesized silver nanoparticles: characterization and their biomedical potential	Alkhulaifi, M (Alkhulaifi, M.)[1] Alwehaibi, M (Alwehaibi, M.)[1] Alshehri, J (Alshehri, J.)[1] Awad, M (Awad, M.)[2] Aldosari, N (Aldosari, N.)[1] Hendi, A (Hendi, A.)[3] Ortashi, K (Ortashi, K.)[4]	[1] King Saud Univ, Coll Sci, Dept Bot & Microbiol, Riyadh 11451, Saudi Arabia [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [3] Princesses Nourah Bint Abdulrahman Univ, Coll Sci, Dept Phys, Riyadh, Saudi Arabia [4] King Saud Univ, Dept Chem Engn	Journal of Optoelectronic and Biomedical Materials	Oct 2020	Newly added to ISI Journal list Q-4
33	Eco-synthesis and characterization of titanium nanoparticles: Testing its cytotoxicity and antibacterial effects	Eisa, NE (Eisa, Nada E.)[1] Almansour, S (Almansour, Shaffa)[1] Alnaim, IA (Alnaim, Ibtessam A.)[1] Ali, AM (Ali, Amira M.)[3] Algrafy, E (Algrafy, Eman)[1] Ortashi, KM (Ortashi, Khalid M.)[4]	[1] Imam Abdulrahman Bin Faisal Univ, Coll Sci Girls, Dept Phys, Dammam, Saudi Arabia [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [3] Al Azhar Univ, Dept Phys, Cairo, Egypt [4] King Saud Univ, Dept Chem Engn [5] King Saud Univ, Dept Zool,	Green Processing and Synthesis	Jan 2020	1.672 Q-3

		Awad, MA (Awad, Manal A.)[2] Virk, P (Virk, Promy)[5] Hendi, AA (Hendi, Awatif A.)[6] Eissa, FZ (Eissa, Fand Z.)[7]	Riyadh 11495, Saudi Arabia [6] Princess Nourah Bint Abdulrahman Univ, Fac Sci, Dept Phys, Riyadh, Saudi Arabia [7] Univ Hail, Coll Med, Dept Pharmacol & Toxicol, Hail, Saudi Arabia			
34	Finite difference time-domain method for simulating dielectric materials and metamaterials	Hendi, A (Hendi, A.)[1] Alkallas, F (Alkallas, F.)[1] Almoussa, H (Almoussa, H.)[2] Alshahri, H (Alshahri, H.)[2] Almoneef, M (Almoneef, M.)[1] Alenazy, M (Alenazy, M.)[1] Alsaif, N (Alsaif, N.)[1] Altowyan, A (Altowyan, A.)[1] Laref, A (Laref, A.)[2] Awad, M (Awad, M.)[3] Ortachi, K (Ortachi, K.)[3]	[1] Princesses Nourah Bint Abdulrahman Univ, Coll Sci, Dept Phys, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Sci, Dept Phys, Riyadh, Saudi Arabia [3] King Saud Univ, Dept Chem Engn	Digest Journal Of Nanomaterials And Biostructures	Jul 2020	0.785 Q-4
35	Dielectric properties of red sand silver nanoparticles	Awad, MA (Awad, Manal A.)[1] Alkhulaifi, MM (Alkhulaifi, Manal M.)[2] Alwehaibi, M (Alwehaibi, Moudi)[2] Alshehri, J (Alshehri, Jamilah)[2] Ortashi, K (Ortashi, Khalid)[3] Qindeel, R (Qindeel, Rabia)[4] Aldosari, N (Aldosari, Noura)[2]	[1] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [2] King Saud Univ, Dept Bot & Microbiol, Riyadh, Saudi Arabia [3] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia [4] King Saud Univ, Dept Phys & Astron, Riyadh, Saudi Arabia	Materials Letters	Oct 2020	3.204 Q-2

		Hendi, A (Hendi, Awatif)[4] Aldakheel, H (Aldakheel, Hajar)[4]				
36	The effect of modifier identity on the performance of Ni-based catalyst supported on γ -Al ₂ O ₃ in dry reforming of methane	Ahmed SadeqAl-Fatesh [a] RaweshKumar [b] Samsudeen OlajideKasim [a] Ahmed AididIbrahim [a] Anis HamzaFakeeha [a] Ahmed ElhagAbasaheed [a] RasheedAlrasheed [c] AbdulazizBagabas [c] Mayankkumar L.Chaudhary [b] FrancescoFrusteri [d] B.Chowdhury [e]	[a] Chemical Engineering Department, College of Engineering, King Saud University, P.O. Box 800 [b] Sankalchand Patel University, Visnagar, Gujarat, 384315, India [c] National Petrochemical Technology Center (NPTC), Materials Science Research Institute (MSRI), King Abdulaziz City for Science and Technology (KACST), P.O. Box 6086, Riyadh, 11442, Saudi Arabia [d] CNR-ITAE, Istituto di Tecnologie Avanzate per Energia "Nicol a GiordaV,"noiLu .a Scia sopr a Contesse 5, 98126, Messina, Italy [e] Indian Institute of Technology (Indian School of Mines), Dhanbad, 826004, India	Catalysis Today	May 2020	5.825 Q-1
37	Methane decomposition over strontium promoted iron catalyst: effect of different ratio of Al/Si support on hydrogen yield	Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[1] Ibrahim, AA (Ibrahim, Ahmed A.)[1] AlSharekh, AM (AlSharekh, AbdulAziz M.)[1] Alqahtani, FS (Alqahtani, Fawaz S.)[1] Kasim, SO (Kasim, Samsudeen O.)[1]	[1] King Saud Univ, Coll Engn, Chem Engn Dept, POB 11421, Riyadh, Saudi Arabia [2] SABIC Chair, KSU, Saudi Arabia	Chemical Engineering Communications	Jan 2020	1.802 Q-3

		Al-Zahrani, SA (Al-Zahrani, Salma A.)[2] Fakeeha, AH (Fakeeha, Anis H.)[1]				
38	Promotional effect of magnesium oxide for a stable nickel-based catalyst in dry reforming of methane	Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[1] Kumar, R (Kumar, Rawesh)[2] Fakeeha, AH (Fakeeha, Anis H.)[1] Kasim, SO (Kasim, Samsudeen O.)[1] Khatri, J (Khatri, Jyoti)[2] Ibrahim, AA (Ibrahim, Ahmed A.)[1] Arasheed, R (Arasheed, Rasheed)[3] Alabdulsalam, M (Alabdulsalam, Muhamad)[3] Lanre, MS (Lanre, Mahmud S.)[1] Osman, AI (Osman, Ahmed, I)[4] Abasaeed, AE (Abasaeed, Ahmed E.)[1] Bagabas, A (Bagabas, Abdulaziz)[3]	[1] King Saud Univ, Coll Engn, Chem Engn Dept [2] Sankalchand Patel Univ, Visnagar 384315, Gujarat, India [3] King Abdulaziz City Sci & Technol, Mat Sci Res Inst MSRI, Natl Petrochem Technol Ctr NPTC, POB 6086, Riyadh 11442, Saudi Arabia [4] Queens Univ Belfast, Sch Chem & Chem Engn, Belfast BT9 5AG, Antrim, North Ireland	Scientific Reports	Aug 2020	3.998 Q-1
39	Catalytic methane decomposition over ZrO ₂ supported iron catalysts: Effect of WO ₃ and La ₂ O ₃ addition on catalytic activity and stability	Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[1] Kasim, SO (Kasim, Samsudeen Olajide)[1] Ibrahim, AA (Ibrahim, Ahmed	[1] King Saud Univ, Coll Engn, Chem Engn Dept [2] Egyptian Petr Res Inst, Proc Dev Div, Cairo 11727, Egypt	Renewable Energy	Aug 2020	6.274 Q-1

		Aidid)[1] Al-Awadi, AS (Al-Awadi, Abdulrhman S.)[1] Abasaeed, AE (Abasaeed, Ahmed Elhag)[1] Fakeeha, AH (Fakeeha, Anis H.)[1] Awadallah, AE (Awadallah, Ahmed E.)[2]				
40	Dry Reforming of Methane Using Ce-modified Ni Supported on 8%PO ₄ + ZrO ₂ Catalysts	Ibrahim, AA (Ibrahim, Ahmed A.)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[1] Kumar, NS (Kumar, Nadavala Siva)[1] Abasaeed, AE (Abasaeed, Ahmed E.)[1] Kasim, SO (Kasim, Samsudeen O.)[1] Fakeeha, AH (Fakeeha, Anis H.)[1]	[1] King Saud Univ, Coll Engn, Chem Engn Dept	Catalysts	Feb 2020	3.52 Q-2
41	Effect of Pressure on Na _{0.5} La _{0.5} Ni _{0.3} Al _{0.7} O _{2.5} Perovskite Catalyst for Dry Reforming of CH ₄	Fakeeha, AH (Fakeeha, Anis Hamza)[1,2] Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[1] Abu-Dahrieh, JK (Abu-Dahrieh, Jehad K.)[3] Ibrahim, AA (Ibrahim, Ahmed Aidid)[1]	[1] King Saud Univ, Coll Engn, Chem Engn Dept [2] KACARE, Energy Res & Innovat Ctr [3] Queens Univ Belfast, Sch Chem & Chem Engn, Belfast BT9 5AG, Antrim, North Ireland	Catalysts	Apr 2020	3.52 Q-2

		Kasim, SO (Kasim, Samsudeen Olajide)[1] Abasaeed, AE (Abasaeed, Ahmed Elhag)[1]				
42	Catalytic Performance of Lanthanum Promoted Ni/ZrO ₂ for Carbon Dioxide Reforming of Methane	Lanre, MS (Lanre, Mahmud S.)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[1] Fakeeha, AH (Fakeeha, Anis H.)[1,2] Kasim, SO (Kasim, Samsudeen O.)[1] Ibrahim, AA (Ibrahim, Ahmed A.)[1] Al-Awadi, AS (Al-Awadi, Abdulrahman S.)[1,2] Al-Zahrani, AA (Al-Zahrani, Attiyah A.)[1] Abasaeed, AE (Abasaeed, Ahmed E.)[1]	[1] King Saud Univ, Coll Engn, Chem Engn Dept [2] King Abdullah City Atom & Renewable Energy, KA CARE Energy Res & Innovat Ctr Riyadh	Processes	Nov 2020	2.753 Q-2
43	Methane Decomposition Over ZrO ₂ -Supported Fe and Fe-Ni Catalysts-Effects of Doping La ₂ O ₃ and WO ₃	Fakeeha, AH (Fakeeha, Anis H.)[1,2] Kasim, SO (Kasim, Samsudeen Olajide)[1] Ibrahim, AA (Ibrahim, Ahmed Aidid)[1] Al-Awadi, AS (Al-Awadi, Abdulrhman S.)[1] Alzahrani, E (Alzahrani, Eman)[3]	[1] King Saud Univ, Coll Engn, Chem Engn Dept, Riyadh, Saudi Arabia [2] King Abdullah City Atom & Renewable Energy K A CA, Energy Res & Innovat Ctr, Riyadh, Saudi Arabia [3] Taif Univ, Dept Chem, Fac Sci, At Taif, Saudi Arabia [4] Egyptian Petr Res Inst, Proc Dev Div, Cairo, Egypt	Frontiers in Chemistry	Apr 2020	3.963 Q-2

		Abasaeed, AE (Abasaeed, Ahmed Elhag)[1] Awadallah, AE (Awadallah, Ahmed E.)(4] Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[1]				
44	Impact of Ce-Loading on Ni-catalyst supported over La ₂ O ₃ +ZrO ₂ in methane reforming with CO ₂	Kasim, SO (Kasim, Samsudeen Olajide)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[1] Ibrahim, AA (Ibrahim, Ahmed Aidid)[1] Kumar, R (Kumar, Rawesh)[2] Abasaeed, AE (Abasaeed, Ahmed Elhag)[1] Fakeeha, AH (Fakeeha, Anis Hamza)[1]	[1] King Saud Univ, Chem Engn Dept, Coll Engn [2] Sankalchand Patel Univ, Visnagar 384315, Gujarat, India	International Journal of Hydrogen Energy	Nov 2020	4.939 Q-2
45	γ -FeOOH and γ -FeOOH decorated multi-layer graphene: Potential materials for selenium(VI) removal from water	Asmita S.Jadhav [a,b] MokhtarAli Amrani [c] Sunit KumarSingh [a] Ahmed SadeqAl-Fatesh [d] AmitBansiwal [e] Vadali V.S.S.Srikanth [f] Nitin K.Labhasetwara [b]	[a] Energy & Resource Management Division, CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nehru Marg, Nagpur, 440 020, India [b] Academy of Scientific and Innovative Research (AcSIR), CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nehru Marg, Nagpur, India [c] Faculty of Engineering and Information Technology, Taiz University, 6803, Taiz, Yemen [d] Department of Chemical	Journal of Water Process Engineering	Oct 2020	3.465 Q-2

			Engineering, College of Engineering, King Saud University, P.O. Box 800 [e] Environmental Materials Division, CSIR-National Environmental Engineering Research Institute (CSIR- NEERI), Nagpur, 440 020, India [f] School of Engineering Sciences & Technology, University of Hyderabad, Prof. C.R.Rao Road, Gachibowli, Hyderabad, 500046, India			
46	Morphology Dependent Catalytic Activity of Mn(3)O(4) for Complete Oxidation of Toluene and Carbon Monoxide	Pulleri, JK (Pulleri, Jayasree K.)[1] Singh, SK (Singh, Sunit Kumar)[1] Yearwar, D (Yearwar, Divya)[1] Saravanan, G (Saravanan, Govindachetty)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[2] Labhasetwar, NK (Labhasetwar, Nitin K.)[1]	[1] CSIR Natl Environm Engrg Res Inst CSIR NEERI, Energy & Resource Management Div, Nehru Marg, Nagpur 440020, Maharashtra, I [2] King Saud Univ, Dept Chem Engrg, Coll Engrg	Catalysis Letters	Jun 2020	2.482 Q-3
47	Naturally occurring neem gum: An unprecedented green resource for bioelectrochemical flexible energy storage device	Dhar, A (Dhar, Abhishek)[1] Kumar, NS (Kumar, Nadavala Siva)[2] Khimani, M (Khimani, Mehul)[3] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[2] Ibrahim, AA (Ibrahim, Ahmed A.)[2] Fakeeha, AH (Fakeeha, Anish	[1] Jadavpur Univ, Dept Instrumentat Sci, Kolkata 700032, W Bengal, India [2] King Saud Univ, Dept Chem Engrg [3] PP Savani Univ, GETCO, Sch Sci, NH-8, Surat 394125, Gujarat, India [4] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [5] Ton Duc Thang Univ, Fac	International Journal of Energy Research	Feb 2020	3.741 Q-2

		H.][2] Bhadja, P (Bhadja, Poonam)[4,5] Vekariya, RL (Vekariya, Rohit L.)(4,6]	Environm & Labour Safety, Ho Chi Minh City, Vietnam [6] Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City, Vietnam			
48	Catalytic Performance of Metal Oxides Promoted Nickel Catalysts Supported on Mesoporous Alumina in Dry Reforming of Methane	Anis H. Fakeeha [1,2] Abdulaziz A. Bagabas [3] Mahmud S. Lanre [1] Ahmed I. Osman [4] Samsudeen O. Kasim [1] Ahmed A. Ibrahim [1] Rasheed Arasheed [3] Abdulmajeed Alkhalifa [3] Ahmed Y. Elnour [1] Ahmed E. Abasaed [1] Ahmed S. Al-Fatesh [1]	[1] Chemical Engineering Department, College of Engineering, King Saud University, [2] King Abdullah City for Atomic and Renewable Energy, (K.A. CARE) Energy Research and Innovation Center at Riyadh [3] National Petrochemical Technology Center (NPTC), Materials Science Research Institute (MSRI), King Abdulaziz City for Science and Technology, P.O. Box 6086, Riyadh 11442, Saudi Arabia [4] School of Chemistry and Chemical Engineering, Queen's University Belfast, Belfast BT9 5AG, Northern Ireland, UK	Processes	Apr 2020	2.753 Q-2
49	Hydrogen Production by Partial Oxidation Reforming of Methane over Ni Catalysts Supported on High and Low Surface Area Alumina and Zirconia	Fakeeha, A (Fakeeha, Anis)[1,2] Ibrahim, AA (Ibrahim, Ahmed A.)(1] Aljuraywi, H (Aljuraywi, Hesham)[1] Alqahtani, Y (Alqahtani, Yazeed)[1] Alkhodair, A (Alkhodair, Ahmad)[1] Alswaidan, S (Alswaidan,	[1] King Saud Univ, Coll Engn, Chem Engr Dept [2] KA CARE Energy Res & Innovat Ctr Riyadh, King Abdullah City Atom & Renewable Energy	Processes	Apr 2020	2.753 Q-2

		Suliman)[1] Abasaeed, AE (Abasaeed, Ahmed E.))[1] Kasim, SO (Kasim, Samsudeen O.))[1] Mahmud, S (Mahmud, Sofiu))[1] Al-Fatesh, AS (Al-Fatesh, Ahmed S.))[1]				
50	Pyrolysis kinetic modelling of abundant plastic waste (PET) and in-situ emission monitoring	Osman, AI (Osman, Ahmed, I))[1,2] Farrell, C (Farrell, Charlie))[3,4] Al-Muhtaseb, AH (Al-Muhtaseb, Alaa H.))[5] Al-Fatesh, AS (Al-Fatesh, Ahmed S.))[6] Harrison, J (Harrison, John))[3] Rooney, DW (Rooney, David W.))[1]	[1] Queens Univ Belfast, Sch Chem & Chem Engn, David Keir Bldg, Stranmillis Rd, Belfast BT9 5AG, Antrim, North Ireland [2] South Valley Univ, Fac Sci, Chem Dept, Qena 83523, Egypt [3] South West Coll, Cookstown BT80 8DN, Co Tyrone, North Ireland [4] Queens Univ Belfast, Sch Mech & Aerosp Engn, Belfast BT9 5AH, Antrim, North Ireland [5] Sultan Qaboos Univ, Coll Engn, Dept Petr & Chem Engn, Muscat, Oman [6] King Saud Univ, Coll Engn, Chem Engn Dept	Environmental Sciences Europe	Aug 2020	5.394 Q-1
51	Spatio-temporal analyses of extracted citrullus colocynthis seeds (Handal seed oil) as biofuel in internal combustion engine	Al-Hwaiti, MS (Al-Hwaiti, Mohammad S.))[1] Als bou, EM (Als bou, Eid M.))[2] Al Haddad, RM (Al Haddad, Rawan M.))[3]	[1] Al Hussein Bin Talal Univ, Fac Engn, Environm Engn Dept, POB 20, Maan, Jordan [2] Al Hussein Bin Talal Univ, Fac Sci, Chem Dept, POB 20, Maan, Jordan	Renewable Energy	Apr 2020	6.274 Q-1

		Osman, AI (Osman, Ahmed, I)[4] Abu Jrai, A (Abu Jrai, Ahmed)[1] Al-Muhtaseb, AH (Al-Muhtaseb, Ala'a H.)[5] Hasan, AO (Hasan, Ahmad O.)[3] Morgan, K (Morgan, Kevin)[4] El-Sayed, ESM (El-Sayed, El-Sayed M.)[6] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[7] Fakeeha, AH (Fakeeha, Anis H.)[7] Rooney, DW (Rooney, David W.)[4] Al-Rawashdeh, HA (Al-Rawashdeh, Hani A.)[6]	[3] AL Hussein Bin Talal Univ, Dept Mech Engr, POB 20, Maan, Jordan [4] Queens Univ Belfast, Sch Chem & Chem Engr, David Keir Bldg, Stranmillis Rd, Belfast BT9 5AG, Antrim, North Ireland [5] Sultan Qaboos Univ, Coll Engr, Dept Petr & Chem Engr, Muscat, Oman [6] Egyptian Petr Res Inst, Refining Dept, Chem Refining Lab, Cairo, Egypt [7] King Saud Univ, Coll Engr, Chem Engr Dept			
52	Silica-immobilized ionic liquid Bronsted acids as highly effective heterogeneous catalysts for the isomerization of n-heptane and n-octane	Dhar, A (Dhar, Abhishek)[1] Kumar, NS (Siva Kumar, Nadavala)[2] Khimani, M (Khimani, Mehul)[3] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[2] Ibrahim, AA (Ibrahim, Ahmed A.)[2] Fakeeha, AH (Fakeeha, Anis H.)[2] Patel, H (Patel, Hiren)[3] Vekariya, RL (Vekariya, Rohit	[1] Modern Inst Engr & Technol, Dept Chem, Hooghly 712123, W Bengal, India [2] King Saud Univ, Dept Chem Engr [3] PP Savani Univ, Sch Sci, NH-8, Surat 394125, Gujarat, India [4] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [5] Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City, Vietnam	RSC Advances	Apr 2020	3.119 Q-2

		L.)[4,5]				
53	Sterically hindered amine functionalized zeolites prepared from fly ash for effective carbon dioxide adsorption	Valechha, A (Valechha, Arti)[1] Singh, SK (Singh, Sunit Kumar)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed Sadeq)[2] Rayalu, S (Rayalu, Sadhana)[3] Labhsetwar, N (Labhsetwar, Nitin)[1]	[1] CSIR Natl Environm Engrg Res Inst, Energy & Resource Management Div, Nehru Marg, Nagpur 440020, Maharashtra, India [2] King Saud Univ, Coll Engrg, Chem Engrg Dept, POB 6800 [3] CSIR Natl Environm Engrg Res Inst, Environm Mat Div, Nehru Marg, Nagpur 440020, Maharashtra, India	Current Science	Jul 2020	0.725 Q-4
54	Synthesis of silver nanoparticles decorated on reduced graphene oxide nanosheets and their electrochemical sensing towards hazardous 4-nitrophenol	Ahmad, N (Ahmad, Naushad)[1] Al-Fatesh, AS (Al-Fatesh, Ahmed S.)[2] Wahab, R (Wahab, Rizwan)[3] Alam, M (Alam, Manawwer)[1] Fakeeha, AH (Fakeeha, Anis H.)[2]	[1] King Saud Univ, Coll Sci, Dept Chem, Riyadh 11451, Saudi Arabia [2] King Saud Univ, Coll Engrg, Chem Engrg Dept [3] King Saud Univ, Coll Sci, Dept Zool, Riyadh 11451, Saudi Arabia	Journal of Materials Science-Materials in Electronics	Jun 2020	2.22 Q-2
55	Water cost analysis of different membrane distillation process configurations for brackish water desalination	Saleh, JM (Saleh, Jehad M.)[1] Ali, EM (Ali, Emad M.)[1] Orfi, JA (Orfi, Jamel A.)[2] Najib, AM (Najib, Abdullah M.)[2]	[1] King Saud Univ, Chem Engrg Dept, Riyadh, Saudi Arabia [2] King Saud Univ, Mech Engrg Dept, Riyadh, Saudi Arabia	Membrane and Water Treatment	Sep 2020	0.927 Q-4
56	Developing and validating linear dynamic models for direct contact membrane distillation during start-up over wide operating conditions	Ali, E (Ali, Emad)[1] Saleh, J (Saleh, Jehad)[1] Orfi, J (Orfi, Jamel)[2] Najib, A (Najib, Abdullah)[2]	[1] King Saud Univ, Chem Engrg Dept, POBO 800 [2] King Saud Univ, Mech Engrg Dept, POBO 800	Computers & Chemical Engineering	Mar 2020	4.0 Q-1
57	Hydrodynamics of Pulsed Fluidized Bed of Ultrafine Powder: Fully	Asif, M (Asif, Mohammad)[1] Al-Ghurabi, EH (Al-Ghurabi,	[1] King Saud Univ, Dept Chem Engrg	Processes	Jul 2020	2.753

	Collapsing Fluidized Bed	Ebrahim H.)[1] Ajbar, A (Ajbar, Abdelhamid)[1] Kumar, NS (Kumar, Nadavala Siva)[1]				Q-2
58	Bifurcation analysis of a SEIR epidemic system with governmental action and individual reaction	Ajbar, A (Ajbar, Abdelhamid)[1] Alqahtani, RT (Alqahtani, Rubayyi T.))[1,2]	[1] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia [2] Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Math & Stat, Coll Sci, Riyadh, Saudi Arabia	Advances In Difference Equations	Oct 2020	2.421 Q-1
59	Aluminum Nanoparticles Passivation of Multi-Crystalline Silicon Nanostructure for Solar Cells Applications	Jemai, AB (Jemai, A. B.))[1] Mannai, A (Mannai, A.))[2] Khezami, L (Khezami, L.))[2,3] Mokraoui, S (Mokraoui, S.))[1] Algethami, FK (Algethami, Faisal K.))[3] Al-Ghyamah, A (Al-Ghyamah, A.))[1] Ben Rabha, M (Ben Rabha, M.))[2,4,5]	[1] King Saud Univ, Dept Chem Engn, Coll Engn [2] Res & Technol Ctr Energy CRTEn, LaNSER, Borj Cedria Technopk,BP 95, Hammam Lif 2050, Tunisia [3] Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Chem, Coll Sci, POB 5701, Riyadh 11432, Saudi Arabia [4] Res & Technol Ctr Energy CRTEn, LPV, Borj Cedria Technopk,BP 95, Hammam Lif 2050, Tunisia [5] Tech & Vocat Training Corp, Riyadh Coll Technol, POB 42826, Riyadh 11551, Saudi Arabia	Silicon	Jan 2020	1.499 Q-4
60	Effective surface passivation on multi-crystalline silicon using aluminum/ porous silicon nanostructures	Achref, M (Achref, M.))[1] Bessadok, JA (Bessadok, A. J.))[2] Khezami, L (Khezami, L.))[1,3] Mokraoui, S (Mokraoui, S.))[2] Ben Rabha, M (Ben Rabha,	[1] Res & Technol Ctr Energy CRTEn, LaNSER, BorjCedriaTechnopk,BP 95, Hammam Lif 2050, Tunisia [2] King Saud Univ, Coll Engn, Dept Chem Engn [3] Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Coll Sci, Dept	Surfaces and Interfaces	Mar 2020	3.724 Q-2

		M.)[1,4,5]	Chem, POB 5701, Riyadh 11432, Saudi Arabia [4] Res & Technol Ctr Energy CRTEn, LPV, BorjCedriaTechnopk,BP 95, Hammam Lif 2050, Tunisia [5] Riyadh Coll Technol, Tech & Vocat Training Corp, POB 42826, Riyadh 11551, Saudi Arabia			
61	Synthesis and characterization of graphene oxide, reduced graphene oxide and their nanocomposites with polyethylene oxide	Abdulaziz A.Alghyamah [a,c] Sajjad Haider [a] UzmaKhalil [b] RawaizKhancAdnanHaider [d] Waheed A.Almasry [a] RidaIhsan [b] Tahira Perveen [b] IrfanWazeer [a] AchmadChafidz [e]	[a] Department of Chemical Engineering, College of Engineering, King Saud University, P.O BOX 800 [b] Jinnah College for Women, University of Peshawar, KP, Pakistan [c] Engineer Abdullah Bugshan Research Chair for Dental and Oral Rehabilitation, College of Dentistry, King Saud University, Riyadh, 11545, Saudi Arabia [d] Department of Biological Sciences, National University of Medical Sciences, Rawalpindi, Punjab, Pakistan [e] Department of Chemical Engineering, Universitas Islam Indonesia, Yogyakarta, 55584, Indonesia	Current Applied Physics	Mar 2020	2.281 Q-3
62	A Novel Approach to Optimize the Fabrication Conditions of Thin Film Composite RO Membranes Using Multi-Objective Genetic Algorithm II	Ali, FAA (Ali, Fekri Abdulraqeb Ahmed)[1] Alam, J (Alam, Javed)[2] Shukla, AK (Shukla, Arun Kumar)[2]	[1] King Saud Univ, Coll Engn, Chem Engn Dept, Saudi Arabia [2] King Saud Univ, King Abdullah Inst Nanotechnol, Saudi Arabia [3] KA CARE Energy Res & Innovat	Polymers	Feb 2020	3.426 Q-1

		Alhoshan, M (Alhoshan, Mansour)[1,3] Abdo, BMA (Abdo, Basem M. A.)[4] Al-Masry, WA (Al-Masry, Waheed A.)[1]	Ctr Riyadh, Riyadh 11451, Saudi Arabia [4] King Saud Univ, Adv Mfg Inst, Saudi Arabia			
63	A highly permeable zinc-based MOF/polyphenylsulfone composite membrane with elevated antifouling properties	Shukla, AK (Shukla, Arun Kumar)[1] Alam, J (Alam, Javed)[1] Ali, FAA (Ali, Fekri Abdulraqueb Ahmed)[2] Alhoshan, M (Alhoshan, Mansour)[1,2,3]	[1] King Saud Univ, King Abdullah Inst Nanotechnol, Saudi Arabia [2] Coll Engn King Saud Univ, Dept Chem Engn, Saudi Arabia [3] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia	Chemical Communications	May 2020	5.996 Q-1
64	Efficient soluble anionic dye removal and antimicrobial properties of ZnO embedded-Polyphenylsulfone membrane	Shukla, AK (Shukla, Arun Kumar)[1] Alam, J (Alam, Javed)[1] Ali, FAA (Ali, Fekri Abdulraqueb Ahmed)[2] Alhoshan, M (Alhoshan, Mansour)[1,2,3]	[1] King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh, Saudi Arabia [2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia [3] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia	Water and Environment Journal	Nov 2020	1.426 Q-4
65	Dye Separation and Antibacterial Activities of Polyaniline Thin Film-Coated Poly(phenyl sulfone) Membranes	Alam, J (Alam, Javed)[1] Shukla, AK (Shukla, Arun Kumar)[1] Ansari, MA (Ansari, Mohammad Azam)[2] Ali, FAA (Ali, Fekri Abdulraqueb Ahmed)[3] Alhoshan, M (Alhoshan, Mansour)[1,3,4]	[1] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [2] Imam Abdulrahman Bin Faisal Univ, Inst Res & Med Consultat, Dept Epidem Dis Res, Dammam 31441, Saudi Arabia [3] King Saud Univ, Coll Engn, Chem Engn Dept, Riyadh 11451, Saudi Arabia	Membranes	Dec 2020	3.094 Q-2

			[4] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh 11451, Saudi Arabia			
66	Spin-dependent rare-earth-based MgPr ₂ X ₄ (X = S, Se) spinels investigations for spintronic and sustainable energy systems applications	Asif Mahmood [a] M.Rashid [b] KanzaSafder [c] M.Waqas Iqbal [d] N.A.Noor [d] Shahid M.Ramay [e] WaheedAl-Masry [a] Najib Y.A.Al-Garadi [a]	[a] College of Engineering, Chemical Engineering Department, King Saud University Riyadh, Saudi Arabia [b] Department of Physics, Ghazi University City Campus, Dera Ghazi Khan, Pakistan [c] Centre for Solid State Physics, University of the Punjab, Lahore 54000, Pakistan [d] Department of Physics, RIPHAH International University, Campus Lahore, Pakistan [e] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh 11451, Saudi Arabia	Results in Physics	Dec 2020	4.019 Q-2
67	First-principle computations of ferromagnetic HgCr ₂ Z ₄ (Z=S, Se) spinels for spintronic and energy storage system applications	Asif Mahmood [a] Shahid M.Ramay [c] WaheedAl-Masry [a] Charles. W.Dunnill [b] Najib Y.A.Al-Garadi [a]	[a] College of Engineering, Chemical Engineering Department, King Saud University Riyadh, Saudi Arabia [b] Energy Safety Institute (ESRI), Swansea University Bay Campus, Swansea, SA1 8EN, UK [c] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia	Journal of Materials Research And Technology-Jmr&T	Nov 2020	5.289 Q-1
68	Zinc based chalcogenides ZnMn ₂ X ₄ (X = S, Se, Te) as promising spintronic and sustainable energy	N.A.Noor [a] M.Rashid [b]	[a] Department of Physics, RIPHAH International University, Lahore	Journal of Alloys and	Sep 2020	4.650 Q-2

	materials: Ab-initio DFT investigations	Ghulam M.Mustafa [c] AsifMahmood [d] WaheedAl-Masry [d] Shahid M.Ramay [e]	Campus, Lahore, Pakistan [b] Deparment of Physics, COMSATS Institute of Information Technology, 44000, Islamabad, Pakistan [c] Physics Department, University of the Lahore, 54000, Pakistan [d] College of Engineering Chemical Engineering Department King Saud University Riyadh, Saudi Arabia [e] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia	Compounds		
69	Ab-initio computations of CaV ₂ S ₄ and CaMn ₂ S ₄ spinels for spintronics and energy storage system applications	Mahmood, A (Mahmood, Asif)[1] Ramay, SM (Ramay, Shahid M.)[2] Al-Masry, W (Al-Masry, Waheed)[1] Al-Zahrani, AA (Al-Zahrani, Ateyah A.)[1] Al-Garadi, NYA (Al-Garadi, Najib Y. A.)[1]	[1] King Saud Univ Riyadh, Chem Engn Dept, Coll Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia	Journal of Materials Research and Technology-Jmr&T	Nov 2020	5.289 Q-1
70	Theoretical analysis of ferromagnetism and electronic transport aspects of CaM ₂ S ₄ (M = Ti, Cr) spinels for the application of spintronic and energy storage system	Asif Mahmood [1] Waheed Al-Masry [1] M. Nabil Anwar [1] M. Mufakkar Adaam [1] Ghalib ul Islam [1] Shahid M. Ramay [2]	[1] Chemical Engineering Department, College of Engineering, King Saud University, Riyadh, Saudi Arabia [1] Department of Physics, University of Lahore, Lahore 54000, Pakistan [2] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh 11451, King	Modern Physics Letters B	Dec 2020	1.224 Q-4

		Ateyah A. Al-Zahrani [2] Najib Y. A. Al-Garadi [2]	Saudi Arabia			
71	Analyzing opto-electronic and transport characteristics of ZnSc ₂ Se ₄ and CdSc ₂ Se ₄ spinels for opto-electronic and energy storage devices	Asif Mahmood [1] Shahid M. Ramay [2] Waheed Al-Masry [1] Ateyah A. Al-Zahrani [1] Najib Y. A. Al-Garadi [2]	[1] Chemical Engineering Department, College of Engineering, King Saud University, Riyadh, Saudi Arabia [2] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh 11451, King Saudi Arabia	Modern Physics Letters B	Dec 2020	1.224 Q-4
72	Synthesis and characterization of Co and Ga co-doped ZnO thin films as an electrode for dye sensitized solar cells	Khan, MI (Khan, M., I)[1] Naeem, M (Naeem, Muhammad)[1] Mustafa, GM (Mustafa, Ghulam M.)[1] Abubshait, SA (Abubshait, Samar A.)[2,3] Mahmood, A (Mahmood, Asif)[4] Al-Masry, W (Al-Masry, Waheed)[4] Al-Garadi, NYA (Al-Garadi, Najib Y. A.)[4] Ramay, SM (Ramay, Shahid M.)[5]	[1] Univ Lahore, Dept Phys, Lahore 53700, Pakistan [2] Imam Abdulrahman Bin Faisal Univ, Basic & Appl Sci Res Ctr, POB 1982, Dammam 31441, Saudi Arabia [3] Imam Abdulrahman Bin Faisal Univ, Coll Sci, Dept Chem, POB 1982, Dammam 31441, Saudi Arabia [4] King Saud Univ, Coll Engn, Chem Engn Dept [5] King Saud Univ, Phys & Astron Dept, Riyadh, Saudi Arabia	Ceramics International	Dec 2020	3.83 Q-1
73	Evincing Structural, Electronic, and Magnetic Attributes of LaFe _{0.5} A _{0.5} O ₃ (A = Co, Cr, and Ti): DFT-GGA Recapitulation	Saad Tariq [1] A. A. Mubarak [2] Asif Mahmood [3] Shahid Mahmood Ramay [4]	[1] Department of Physics, Faculty of Sciences, University of Central Punjab, Lahore, 54000 Pakistan [2] Physics Department, Rabigh College of Science and Arts, King Abdulaziz University, Jeddah, 21589 Saudi Arabia	Crystal Research and Technology	Sep 2020	1.169 Q-3

			[3] Chemical Engineering Department, College of Engineering, King Saud University, Riyadh, 11362 Saudi Arabia [4] Department of Physics, King Saud University, Riyadh, 11362 Saudi Arabia			
74	Density functional theory study of electronic, optical and transport properties of magnesium based MgY_2Z_4 ($Z = S$ and Se) spinels	MaizaZanib [a] N.A.Noor [b] M.A.Iqbal [c] I.Mahmood [d] AsifMahmood [e] Shahid M.Ramay [f] Najib Y.A.Al-Garadi [e] TariqUzzaman [g]	[a] Centre for Solid State Physics, University of the Punjab, Lahore, 54000, Pakistan [b] Department of Physics, University of the Lahore, 53700, Pakistan [c] Physics Department, School of Science, UMT, Lahore, Pakistan [d] CHEP, University of the Punjab, Lahore, 54000, Pakistan [e] College of Engineering, Chemical Engineering Department, King Saud University Riyadh, Saudi Arabia [f] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia [g] College of Engineering, Electrical Engineering Department, King Saud University Riyadh, Saudi Arabia	Current Applied Physics	May 2020	2.281 Q-3
75	Study of half metallic nature and transport properties of $XMnSe_2$ ($X = Ca, Sr$ and Ba) compounds via ab-initio calculations	N.Yaqoob [a] G.Murtaza [a] M. WaqasIqbal [b] N.A.Noor [b]	[a] Centre for Advanced Studies in Physics (CASP), GC University, Lahore 54000, Pakistan [b] Department of Physics, Riphah International University, Lahore	Journal of Materials Research and Technology-Jmr&T	Sep 2020	5.289 Q-1

		AsifMahmood [c] Shahid M.Ramay [d] WaheedAl-Masry [c] Najib Y.A.Al-Garadi [c]	Campus, Pakistan [c] College of Engineering, Chemical Engineering Department, King Saud University Riyadh, Saudi Arabia [d] Department of Physics and Astronomy, College of Science, King Saud University, Riyadh 11451, Saudi Arabia			
76	Structural and optical properties of Ti and Cu co-doped ZnO thin films for photovoltaic applications of dye sensitized solar cells	Mehmood, B (Mehmood, Bilal)[1] Khan, MI (Khan, M. I.)[1] Iqbal, M (Iqbal, Munawar)[2] Mahmood, A (Mahmood, Asif)[3] Al-Masry, W (Al-Masry, Waheed)[3]	[1] Univ Lahore, Dept Phys, Lahore 53700, Pakistan [2] Univ Lahore, Dept Chem, Lahore, Pakistan [3] King Saud Univ, Coll Engn, Chem Engrg Dept	International Journal of Energy Research	Sep 2020	3.741 Q-2
77	Investigations on the efficiency variation of zinc and gallium Co-doped TiO ₂ based dye sensitized solar cells	Khan, MI (Khan, M., I)[1] Hassan, G (Hassan, Ghulam)[1] Hasan, MS (Hasan, M. S.)[1] Abubshait, SA (Abubshait, Samar A.)[2,3] Abubshait, HA (Abubshait, Haya A.)[4] Al-Masry, W (Al-Masry, Waheed)[5] Mahmood, Q (Mahmood, Q.)[3,6] Mahmood, A (Mahmood, Asif)[5] Ramay, SM (Ramay, Shahid M.)[7]	[1] Univ Lahore, Dept Phys, Lahore 53700, Pakistan [2] Imam Abdulrahman Bin Faisal Univ, Coll Sci, Dept Chem, POB 1982, Dammam 31441, Saudi Arabia [3] Imam Abdulrahman Bin Faisal Univ, Basic & Appl Sci Res Ctr, POB 1982, Dammam 31441, Saudi Arabia [4] Imam Abdulrahman Bin Faisal Univ, Basic Sci Dept, Preparatory Year & Supporting Studies, POB 1982, Dammam 31441, Saudi Arabia [5] King Saud Univ, Coll Engn, Chem Engrg Dept [6] Imam Abdulrahman Bin Faisal	Ceramics International	Nov 2020	3.83 Q-1

			Univ, Coll Sci, Dept Phys, POB 1982, Dammam 31441, Saudi Arabia [7] King Saud Univ, Phys & Astron Dept, Riyadh, Saudi Arabia			
78	Structural, electrical and mechanical behavior evaluation of palladium doped diamond like carbon thin films	Khan, MI (Khan, M. I.)[1] Rasheed, I (Rasheed, Imran)[1] Naeem, MA (Naeem, M. A.)[2] Majeed, S (Majeed, Shahbaz)[3] Mustafa, GM (Mustafa, Ghulam M.)[1] Fatima, M (Fatima, Mahvish)[1,4] Mahmood, A (Mahmood, Asif)[5] Al-Masry, W (Al-Masry, Waheed)[5] Iqbal, M (Iqbal, Munawar)[6] Kattan, NA (Kattan, Nessrin A.)[7] Nazir, A (Nazir, Arif)[6]	[1] Univ Lahore, Dept Phys, Lahore 53700, Pakistan [2] Univ Punjab, Dept Elect Engn, Lahore, Pakistan [3] UET, Dept Phys, Laser & Optron Ctr, Lahore 54890, Pakistan [4] Univ Qassim, Deanship Educ Serv, Dept Phys, Buraydah, Saudi Arabia [5] King Saud Univ, Coll Engn, Chem Engn Dept [6] Univ Lahore, Dept Chem, Lahore 53700, Pakistan [7] Taibah Univ, Fac Sci, Dept Phys, Medina, Saudi Arabia	Journal of Materials Research and Technology-Jmr&T	Sep 2020	5.289 Q-1
79	)FeIII(-catalyzed degradation of persistent textile dyes by chlorine at slightly acidic conditions: the crucial role of Cl•2– radical i nthe degradation process and impacts of mineral and organic competitors	Fatima Zohra Meghlaoui [1] Slimane Merouani [1] Oualid Hamdaoui [2] Abdulaziz Alghyamah [2] Mohammed Bouhelassa [3] Muthupandian Ashokkumar [3]	[1] Laboratory of Environmental Process Engineering, Faculty of Process Engineering, University Salah Bounider—Constantine 3, Constantine, Algeria [2] Chemical Engineering Department, College of Engineering, King Saud University, Riyadh, Saudi Arabia [3] Department of Chemistry, The University of Melbourne, Parkville, Victoria, Australia	Asia-Pacific Journal of Chemical Engineering	Aug 2020	1.060 Q-4

80	Influence of processing conditions on the synergism between UV irradiation and chlorine toward the degradation of refractory organic pollutants in UV/chlorine advanced oxidation system	Belghit, A (Belghit, Aouattef)[1] Merouani, S (Merouani, Slimane)[1] Hamdaoui, O (Hamdaoui, Oualid)[2] Alghyamah, A (Alghyamah, Abdulaziz)[2] Bouhelassa, M (Bouhelassa, Mohammed)[1]	[1] Univ Salah Boubnider Constantine 3, Dept Chem Engr, Lab Environm Proc Engr, Fac Proc Engr, POB 72, Constantine 25000, Algeria [2] King Saud Univ, Coll Engr, Chem Engr Dept	Science of The Total Environment	Sep 2020	6.551 Q-1
81	Kinetic pathways of iron electrode transformations in Galvano-Fenton process: A mechanistic investigation of in-situ catalyst formation and regeneration	Gasmi, I (Gasmi, Intissar)[1,2] Kerboua, K (Kerboua, Kaouther)[1,3] Haddour, N (Haddour, Naoufel)[2] Hamdaoui, O (Hamdaoui, Oualid)[1,4] Alghyamah, A (Alghyamah, Abdulaziz)[4] Buret, F (Buret, Francois)[2]	[1] Badji Mokhtar Annaba Univ, Fac Engr, Proc Engr Dept, Lab Environm Engr, POB 12, Annaba 23000, Algeria [2] Ecole Cent Lyon, Lab Ampere, 36 Ave Guy Collongue, F-69134 Ecully, France [3] Higher Sch Ind Technol, Dept Second Cycle, POB 218, Annaba 23000, Algeria [4] King Saud Univ, Coll Engr, Chem Engr Dept	Journal of the Taiwan Institute of Chemical Engineers	Nov 2020	4.794 Q-1
82	Predicting the Sonochemical Efficiency for Water Decontamination: An Upscaled Numerical Approach	Kerboua, K (Kerboua, Kaouther)[1,2] Hamdaoui, O (Hamdaoui, Oualid)[3] Alghyamah, A (Alghyamah, Abdulaziz)[3]	[1] Ecole Super Technol Ind, Dept Cycle 2, POB 218, Annaba 23000, Algeria [2] Badji Mokhtar Annaba Univ, Fac Engr, Dept Proc Engr, Lab Environm Engr, POB 12, Annaba 23000, Algeria [3] King Saud Univ, Coll Engr, Chem Engr Dept	Chemical Engineering & Technology	Dec 2020	1.543 Q-3
83	Characterization of Microcrystalline Cellulose Isolated from Conocarpus	Fouad, H (Fouad, H.)[1,2] Kian, LK (Kian, Lau Kia)[3]	[1] King Saud Univ, Community Coll, Appl Med Sci Dept, POB 10219,	Polymers	Dec 2020	3.426 Q-1

	Fiber	Jawaid, M (Jawaid, Mohammad)[3] Alotaibi, MD (Alotaibi, Majed D.)[4] Alothman, OY (Alothman, Othman Y.)[5] Hashem, M (Hashem, Mohamed)[6]	Riyadh 11433, Saudi Arabia [2] Helwan Univ, Fac Engn, Biomed Engn Dept, Cairo 11795, Egypt [3] Univ Putra Malaysia UPM, Inst Trop Forestry & Forest Prod INTROP, Serdang 43400, Malaysia [4] King Abdulaziz City Sci & Technol KACST, Life Sci & Environm Res Inst, Riyadh 11442, Saudi Arabia [5] King Saud Univ, Coll Engn, Dept Chem Engn, POB 22452, Riyadh 11451, Saudi Arabia [6] King Saud Univ, Coll Appl Med Sci, POB 10219, Riyadh 11433, Saudi Arabia			
84	Thermal characterization of date palm/epoxy composites with fillers from different parts of the tree	Alothman, OY (Alothman, Othman Y.)[1] Jawaid, M (Jawaid, M.)[2] Senthilkumar, K (Senthilkumar, K.)[3,4] Chandrasekar, M (Chandrasekar, M.)[5] Alshammari, BA (Alshammari, Basheer A.)[6] Fouad, H (Fouad, H.)[7,8] Hashem, M (Hashem, Mohamed)[9] Siengchin, S (Siengchin, Suchart)[10]	[1] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia [2] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Upm Serdang 43400, Selangor, Malaysia [3] King Mongkuts Univ Technol North Bangkok, Ctr Innovat Design & Engn Mfg CoI DEM, 1518 Pracharat 1, Bangkok 10800, Thailand [4] Kalasalingam Acad Res & Educ, Dept Mech Engn, Krishnankoil 626126, Tamil Nadu, India [5] Hindustan Inst Technol & Sci, Sch Aeronaut Sci, Chennai 603103, Tamil	Journal of Materials Research and Technology-Jmr&T	Nov 2020	5.289 Q-1

			Nadu, India [6] King Abdulaziz City Sci & Technol, Mat Sci Inst, Natl Ctr Petrochem, Riyadh, Saudi Arabia [7] King Saud Univ, Appl Med Sci Dept CC, POB 10219, Riyadh 11433, Saudi Arabia [8] Helwan Univ, Fac Engn Helwan, Biomed Engn Dept, Cairo, Egypt [9] King Saud Univ, Coll Appl Med Sci, POB 10219, Riyadh 11433, Saudi Arabia [10] King Mongkuts Univ Technol North Bangkok, Sirindhorn Int Thai German Grad Sch Engn TGGs, Dept Mech & Proc Engn, 1518 Wongsawang Rd, Bangkok 10800, Thailand			
85	Ethyl Acetate Chemical Sensor as Lung Cancer Biomarker Detection Based on Doped Nano-SnO ₂ Synthesized by Sol-Gel Process	Khatoon, Z (Khatoon, Zeenat)[1] Fouad, H (Fouad, Hassan)[2,3] Seo, HK (Seo, Hyung-Kee)[4] Alothman, OY (Alothman, Othman Y.)[5] Ansari, ZA (Ansari, Z. A.)[1] Ansari, SG (Ansari, S. G.)[1]	[1] Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India [2] King Saud Univ, Community Coll, Appl Med Sci Dept, Riyadh 11433, Saudi Arabia [3] Helwan Univ, Fac Engn, Biomed Engn Dept, Helwan 11792, Egypt [4] Jeonbuk Natl Univ, Sch Chem Engn, Jeonju 54896, South Korea [5] King Saud Univ, Coll Engn, Chem Engn Dept, Riyadh 11433, Saudi Arabia	IEEE Sensors Journal	Nov 2020	3.073 Q-2

86	Properties and characteristics of nanocrystalline cellulose isolated from olive fiber	Kian, LK (Kian, L. K.)[1] Saba, N (Saba, N.)[1] Jawaid, M (Jawaid, M.)[1,2] Alothman, OY (Alothman, O. Y.)[2] Fouad, H (Fouad, H.)[3,4]	[1] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Upm Serdang 43400, Selangor, Malaysia [2] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Dept Appl Med Sci, CC, POB 10219, Riyadh 11433, Saudi Arabia [4] Helwan Univ, Fac Engn, Dept Biomed Engn, POB 11792, Helwan, Egypt	Carbohydrate Polymers	Aug 2020	7.182 Q-1
87	Thermo-oxidative stability and flammability properties of bamboo/kenaf/nanoclay/epoxy hybrid nanocomposites	Chee, SS (Chee, Siew Sand)[1] Jawaid, M (Jawaid, Mohammad)[1,2] Alothman, OY (Alothman, Othman Y.)[2] Yahaya, R (Yahaya, Ridwan)[3]	[1] Univ Putra Malaysia UPM, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia [2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia [3] Sci & Technol Res Inst Def STRIDE, Kajang, Selangor, Malaysia	RSC Advances	Jun 2020	3.119 Q-2
88	Effects of nanoclay on physical and dimensional stability of Bamboo/Kenaf/nanoclay reinforced epoxy hybrid nanocomposites	Chee, SS (Chee, Siew Sand)[1] Jawaid, M (Jawaid, Mohammad)[1,3] Sultan, MTH (Sultan, M. T. H.)[1,2] Alothman, OY (Alothman, Othman Y.)[3] bdullah, LC (Abdullah, Luqman Chuah)[1,4]	[1] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia [2] Univ Putra Malaysia, Dept Aerosp Engn, Fac Engn, Level 7, Tower Block, Serdang, Selangor, Malaysia [3] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia [4] Univ Putra Malaysia, Dept Chem & Environm Engn, Fac Engn, Level	Journal of Materials Research and Technology-Jmr&T	Nov 2020	5.289 Q-1

			7, Tower Block, Serdang, Selangor, Malaysia			
89	Microcrystalline Cellulose from Fruit Bunch Stalk of Date Palm: Isolation and Characterization	Alotabi, MD (Alotabi, Majed D.)[1] Alshammari, BA (Alshammari, Basheer A.)[2] Saba, N (Saba, N.)[3] Alothman, OY (Alothman, Othman Y.)[4] Kian, LK (Kian, Lau Kia)[3] Khan, A (Khan, Anish)[5,6] Jawaid, M (Jawaid, Mohammad)[3,4]	[1] King Abdulaziz City Sci & Technol, Life Sci & Environm Res Inst, Riyadh, Saudi Arabia [2] King Abdulaziz City Sci & Technol, Mat Sci Inst, Natl Ctr Petrochem, Riyadh, Saudi Arabia [3] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod, Dept Biocomposite Technol, Upm Serdang, Selangor, Malaysia [4] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia [5] King Abdulaziz Univ, Ctr Excellence Adv Mat Res, POB 80203, Jeddah 21589, Saudi Arabia [6] King Abdulaziz Univ, Fac Sci, Chem Dept, POB 80203, Jeddah 21589, Saudi Arabia	Journal of Polymers and the Environment	Jun 2020	2.572 Q-3
90	Characterization of Date Palm Fiber-Reinforced Different Polypropylene Matrices	Al-Otaibi, MS (Al-Otaibi, Mohammed Sh)[1] Alothman, OY (Alothman, Othman Y.)[2] Alrashed, MM (Alrashed, Maher M.)[2] Anis, A (Anis, Arfat)[3] Naveen, J (Naveen, Jesuarockiam)[4] Jawaid, M (Jawaid,	[1] Natl Industrializat Co Tasnee, Riyadh 11496, Saudi Arabia [2] King Saud Univ, Coll Engn, Dept Chem Engn [3] King Saud Univ, Coll Engn, SABIC Polymer Res Ctr, Dept Chem Engn [4] Univ Putra Malaysia, Fac Engn, Dept Mech & Mfg Engn, Serdang 43400, Selangor, Malaysia [5] Univ Putra Malaysia, Inst Trop	Polymers	Apr 2020	3.426 Q-1

		Mohammad)[5]	Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia			
91	Investigating the Characteristics of Two-Phase Flow Using Electrical Capacitance Tomography (ECT) for Three Pipe Orientations	Almutairi, Z (Almutairi, Zeyad)[1,2] Al-Alweet, FM (Al-Alweet, Fayez M.)[3,4] Alghamdi, YA (Alghamdi, Yusif A.)[2,5] Almisned, OA (Almisned, Omar A.)[3] Alothman, OY (Alothman, Othman Y.)[6]	[1] King Saud Univ, Mech Engn Dept [2] King Saud Univ, Sustainable Energy Technol Ctr SET [3] King Abdulaziz City Sci & Technol, Natl Ctr Oil & Gas Technol, POB 6086, Riyadh 11442, Saudi Arabia [4] King Abdulaziz City Sci & Technol, Natl Ctr Corros Technol, POB 6086, Riyadh 11442, Saudi Arabia [5] King Saud Univ, DSR [6] King Saud Univ, Dept Chem Engn	Processes	Jan 2020	2.753 Q-2
92	Europium Doped TiO2 Nanoparticles Sensitized with Mixed Fruit and Flower Extracts Photoconducting Properties: A Comparative Study	Farheen (Farheen)[1] Alothman, OY (Alothman, Othman Y.)[2] Fouad, H (Fouad, H.)[3,4] Ansari, ZA (Ansari, Z. A.)[1]	[1] Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India [2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11433, Saudi Arabia [3] King Saud Univ, Appl Sci Med Dept, Community Coll, Riyadh 11433, Saudi Arabia [4] Helwan Univ, Biomed Engn Dept, Fac Engn, Helwan 11731, Egypt	Journal of Nanoelectronics and Optoelectronics	Sep 2020	0.771 Q-4
93	Conceptual Design of a Kraft Lignin Biorefinery for the Production of Valuable Chemicals via Oxidative Depolymerization	Abdelaziz, OY (Abdelaziz, Omar Y.)[1] Al-Rabiah, AA (Al-Rabiah,	[1] Lund Univ, Dept Chem Engn, S-22100 Lund, Sweden [2] King Saud Univ, Dept Chem Engn	ACS Sustainable Chemistry & Engineering	Jun 2020	7.632 Q-1

		Abdulrahman A.)[2] El-Halwagi, MM (El-Halwagi, Mahmoud M.)[3] Hulteberg, CP (Hulteberg, Christian P.)[1]	[3] Texas A&M Univ, Artie McFerrin Dept Chem Engr, College Stn, TX 77843 USA			
94	A Novel Process for Dimethyl Ether Synthesis Using Inter-Stage Ceramic Membrane for Water Removal	Abdulrahman A.Al-Rabiah [1]	[1] Department of Chemical Engineering, College of Engineering, King Saud University, P. O. Box 800	Computer Aided Chemical Engineering	Sep 2020	Q-4
95	Fluidization Dynamics of Hydrophobic Nanosilica with Velocity Step Changes	Al-Ghurabi, EH (Al-Ghurabi, Ebrahim H.)[1] Asif, M (Asif, Mohammad)[1] Kumar, NS (Kumar, Nadavala Siva)[1] Khan, SA (Khan, Sher Afghan)[2]	[1] King Saud Univ, Dept Chem Engr [2] IIUM Malaysia, Fac Engr, Dept Mech Engr, Kuala Lumpur 50728, Malaysia	Applied Sciences-Basel	Nov 2020	2.474 Q-2
96	Synthesis of carbon nanoparticles/zinc oxide/zinc cobalt oxide composite and its electrochemical properties	Shaikh, HM (Shaikh, Hamid M.)[1] Kumar, NS (Kumar, Nadavala Siva)[2] Mahmood, A (Mahmood, Asif)[2]	[1] King Saud Univ, SABIC Polymer Res Ctr, Chem Engr Dept [2] King Saud Univ, Coll Engr, Chem Engr Dept	Ceramics International	Aug 2020	3.83 Q-1
97	A brief review on solid lipid nanoparticles: part and parcel of contemporary drug delivery systems	Duan, YT (Duan, Yongtao)[1] Dhar, A (Dhar, Abhishek)[2] Patel, C (Patel, Chetan)[3] Khimani, M (Khimani, Mehul)[3] Neogi, S (Neogi, Swarnali)[2] Sharma, P (Sharma, Prolay)[2] Kumar, NS (Kumar, Nadavala Siva)[4] Vekariya, RL (Vekariya, Rohit	[1] Zhengzhou Univ, Childrens Hosp Affiliated, Henan Prov Key Lab Childrens Genet & Metab Dis, Zhengzhou 450018, Henan, Peoples R China [2] Jadavpur Univ, Dept Instrumentat & Elect Engr, Kolkata 700106, India [3] PP Savani Univ, Sch Sci, NH 8, Near Biltech, Surat 394125, Gujarat, India	RSC Advances	Jul 2020	3.119 Q-2

		L.)[5,6]	[4] King Saud Univ, Dept Chem Engr [5] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [6] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam			
98	Enhanced Supercapacitive Performance of Higher-Ordered 3D-Hierarchical Structures of Hydrothermally Obtained ZnCo(2)O(4) for Energy Storage Devices	Reddy, GR (Rajasekhara Reddy, Gutturu)[1] Kumar, NS (Siva Kumar, Nadavala)[2] Raju, BDP (Deva Prasad Raju, Borelli)[3] Shanmugam, G (Shanmugam, Gnanendra)[4] Al-Ghurabi, EH (Al-Ghurabi, Ebrahim H.)[2] Asif, M (Asif, Mohammad)[2]	[1] Sri Venkateswara Univ, Dept Instrumentat, Tirupati 517502, Andhra Pradesh, India [2] King Saud Univ, Dept Chem Engr [3] Sri Venkateswara Univ, Dept Phys, Tirupati 517502, Andhra Pradesh, India [4] Yeungnam Univ, Dept Biotechnol, Gyongsan 38541, Gyeongbuk, South Korea	Nanomaterials	Jun 2020	4.324 Q-2
99	Deagglomeration of Ultrafine Hydrophilic Nano powder Using Low-Frequency Pulsed Fluidization	Al-Ghurabi, EH (Al-Ghurabi, Ebrahim H.)[1] Shahabuddin, M (Shahabuddin, Mohammed)[2] Kumar, NS (Kumar, Nadavala Siva)[1] Asif, M (Asif, Mohammad)[1]	[1] King Saud Univ, Dept Chem Engr [2] King Saud Univ, Dept Phys & Astron, Saudi Arabia	Nanomaterials	Feb 2020	4.324 Q-2
100	Deagglomeration of Ultrafine Hydrophilic Nanopowder Using Low-Frequency Pulsed Fluidization	Al-Ghurabi, EH (Al-Ghurabi, Ebrahim H.)[1] Shahabuddin, M (Shahabuddin, Mohammed)[2] Kumar, NS (Kumar, Nadavala	[1] King Saud Univ, Dept Chem Engr [2] King Saud Univ, Dept Phys & Astron, Saudi Arabia	Nanomaterials	Feb 2020	4.324 Q-2

		Siva)[1] Asif, M (Asif, Mohammad)[1]				
101	Yttrium incorporated BiFeO ₃ nanostructures growth on two step anodized Al ₂ O ₃ porous template for energy storage applications	Ur-rehman, A (Ur-rehman, Attiq)[1] Ashraf, MW (Ashraf, Muhammad Waseem)[1] Shaikh, H (Shaikh, Hamid)[2] Alhamidi, A (Alhamidi, Abdullah)[2] Ramay, SM (Ramay, Shahid M.)[3] Saleem, M (Saleem, Murtaza)[4]	[1] Govt Coll Univ, Dept Phys, Lahore 54000, Pakistan [2] King Saud Univ, SABIC Polymer Res Ctr SPRC, Chem Engn Dept [3] King Saud Univ, Coll Sci, Phys & Astron Dept, Riyadh, Saudi Arabia [4] Lahore Univ Management Sci, Sch Sci & Engn, Dept Phys, Lahore 54792, Pakistan	Ceramics International	Apr 2020	3.83 Q-1
102	Thermal, rheological, and mechanical properties of polypropylene/phosphate ore composites	Shaikh, HM (Shaikh, Hamid M.) [1]	[1] King Saud Univ, SABIC Polymer Res Ctr SPRC, Chem Engn Dept	Construction and Building Materials	Dec 2020	4.419 Q-1
103	Magneto-electric coupling and multifunctionality in BiFeO ₃ -CoFe ₂ O ₄ core-shell nano-composites	Khalid, A (Khalid, Ayesha)[1] Saleem, M (Saleem, Murtaza)[2] Naseem, S (Naseem, Shahzad)[1] Ramay, SM (Ramay, Shahid M.)[3] Shaikh, HM (Shaikh, Hamid M.)[4] Atiq, S (Atiq, Shahid)[1]	[1] Univ Punjab, Ctr Excellence Solid State Phys, Lahore, Pakistan [2] LUMS, SSE, Dept Phys, Lahore, Pakistan [3] King Saud Univ, Coll Sci, Phys & Astron Dept, Riyadh, Saudi Arabia [4] King Saud Univ, SPRC, Chem Engn Dept	Ceramics International	Jun 2020	3.83 Q-1
104	Understanding the Electrical Transport–Structure Relationship and Photovoltaic Properties of a [Succinonitrile–Ionic Liquid]–LiI–I ₂ Redox Electrolyte	Ravindra Kumar Gupta [1] Hamid Shaikh [2] Idriss Bedja [3]	King Abdullah Institute for Nanotechnology, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia [2] SABIC Polymer Research Center,	American Chemical Society	May 2020	14.612 Q-1

			College of Engineering, King Saud University, Cornea Research Chair, Department of Optometry, College of Applied Medical Sciences, King Saud University, P.O. Box 10219, Riyadh 11433, Saudi Arabia			
105	Graphene oxide reinforced nanocomposite oleogels improves corneal permeation of drugs	Hasda, AM (Hasda, Anand Mohan)[1] Vuppaladadium, SSR (Vuppaladadium, Shanmuga Sharan Rathnam)[1] Qureshi, D (Qureshi, Dilshad)[1] Prasad, G (Prasad, Girija)[2] Mohanty, B (Mohanty, Biswaranjan)[2] Banerjee, I (Banerjee, Indranil)[3] Shaikh, H (Shaikh, Hamid)[4] Anis, A (Anis, Arfat)[4] Sarkar, P (Sarkar, Preetam)[5] Pal, K (Pal, Kunal)[1]	[1] Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela, India [2] Inst Pharm & Technol, Cuttack, India [3] Indian Inst Technol, Dept Biosci & Bioengn, Jodhpur, Rajasthan, India [4] King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh, Saudi Arabia [5] Natl Inst Technol, Dept Food Proc Engr, Rourkela, India	Journal of Drug Delivery Science and Technology	Dec 2020	2.734 Q-2
106	Aluminum-Filled Amorphous-PET, a Composite Showing Simultaneous Increase in Modulus and Impact Resistance	Anis, A (Anis, Arfat)[1] Elnour, AY (Elnour, Ahmed Yagoub)[1] Alam, MA (Alam, Mohammad Asif)[2] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[1]	[1] King Saud Univ, SABIC Polymer Res Ctr SPRC, Chem Engr Dept [2] King Saud Univ, Ctr Excellence Res Engr Mat CEREM [3] Riyadh Techno Valley, SABIC Plast Applicat Dev Ctr SPADC, Prince Turki St 1, POB 5101, Riyadh 11422, Saudi Arabia	Polymers	Sep 2020	3.426 Q-1

		AlFayez, F (AlFayez, Fayeze)[3] Bashir, Z (Bashir, Zahir)[3]				
107	Enhancement in Nanomechanical, Thermal, and Abrasion Properties of SiO ₂ Nanoparticle-Modified Epoxy Coatings	Alam, MA (Alam, Mohammad Asif)[1] Samad, UA (Samad, Ubair Abdus)[1] Alam, M (Alam, Manawwer)[2] Anis, A (Anis, Arfat)[3] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[3]	[1] King Saud Univ, Ctr Excellence Res Engrn Mat CEREM [2] King Saud Univ, Coll Sci, Dept Chem, Saudi Arabia [3] King Saud Univ, SABIC Polymer Res Ctr SPRC, Chem Engrn Dept	Coatings	Apr 2020	2.436 Q-2
108	Improved salt rejection, hydrophilicity and mechanical properties of novel thermoplastic polymer/chitosan nanofibre membranes	Al-Mubaddel, FS (Al-Mubaddel, Fahad S.)[1,2] AlRomaih, HS (AlRomaih, Hamad S.)[3] Karim, MR (Karim, Mohammad Rezaul)[2,4] Luqman, M (Luqman, Monis)[5] Al-Rashed, MM (Al-Rashed, Maher M.)[1] Al-Mutairi, AS (Al-Mutairi, Abdullah S.)[1]	[1] King Saud Univ, Chem Engrn Dept, Riyadh, Saudi Arabia [2] KA CARE Energy Res & Innovat Ctr, Riyadh, Saudi Arabia [3] King Abdulaziz City Sci & Technol, Natl Ctr Water Technol, Riyadh, Saudi Arabia [4] King Saud Univ, Ctr Excellence Res Engrn Mat CEREM [5] King Saud Univ, Mech Engrn Dept, Riyadh, Saudi Arabia	Journal of Engineered Fibers and Fabrics	May 2020	9.814 Q-3
109	Oleogels Based on Palmitic Acid and Safflower Oil: Novel Formulations for Ocular Drug Delivery of Voriconazole	Mohanty, B (Mohanty, Biswaranjan)[1] Pal, K (Pal, Kunal)[2] Quereshi, D (Quereshi, Dilshad)[2] Nayak, SK (Nayak, Suraj K.)[2] Rathnam, VSS (Rathnam,	[1] Inst Pharm & Technol, Cuttack 754202, India [2] Natl Inst Technol, Dept Biotechnol & Med Engrn, Rourkela 769008, India [3] King Saud Univ, Dept Chem Engrn, Riyadh 11362, Saudi Arabia [4] Natl Inst Technol, Dept Food Proc	European Journal of Lipid Science and Technology	Apr 2020	2.056 Q-3

		Vuppaladadium Shanmuga Sharan)[2] Banerjee, I (Banerjee, Indranil)[2] Anis, A (Anis, Arfat)[3] Barik, CS (Barik, Chandra Sekhar)[1] Sarkar, P (Sarkar, Preetam)[4] Rout, SK (Rout, Susanta Kumar)[5]	Engn, Rourkela 769008, India [5] Odisha Secretariat, Sci & Technol Dept, Bhubaneswar 751001, Odisha, India			
110	Synthesis and characterization of novel tamarind gum and rice bran oil-based emulgels for the ocular delivery of antibiotics	Rawoath, M (Rawoath, Madhusmita)[1] Qureshi, D (Qureshi, Dilshad)[1] Hoque, M (Hoque, Monjurul)[2] Prasad, MPJG (Prasad, M. P. J. Giri)[3] Mohanty, B (Mohanty, Biswaranjan)[3] Alam, MA (Alam, Mohammad Asif)[4] Anis, A (Anis, Arfat)[5] Sarkar, P (Sarkar, Preetam)[2] Pal, K (Pal, Kunal)[1]	1] Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela, India [2] Natl Inst Technol, Dept Food Proc Engn, Rourkela, India [3] Inst Pharm & Technol, Cuttack, India [4] King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Riyadh, Saudi Arabia [5] King Saud Univ, SABIC Polymer Res Ctr SPRC, Dept Chem Engn, Riyadh, Saudi Arabia	International Journal of Biological Macromolecules	Dec 2020	5.162 Q-1
111	Effect of carboxylated carbon nanotubes on physicochemical and drug release properties of oleogels	Qureshi, D (Qureshi, Dilshad)[1] Nadikoppula, A (Nadikoppula, Akhila)[1] Mohanty, B (Mohanty, Biswaranjan)[2]	[1] Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India [2] Inst Pharm & Technol, Cuttack, India [3] King Saud Univ, SABIC Polymer Res Ctr, Dept Chem Engn, Riyadh,	Colloids and Surfaces A-Physicochemical and Engineering Aspects	Feb 2020	3.99 Q-2

		Anis, A (Anis, Arfat)[3] Cerqueira, M (Cerqueira, Miguel)[4] Varshney, M (Varshney, Mayank)[5] Pal, K (Pal, Kunal)[1]	Saudi Arabia [4] Int Iberian Nanotechnol Lab, Av Mestre Jose Veiga S-N, P-4715330 Braga, Portugal [5] Anton Paar India Pvt Ltd, Characterizat Div, 582,Phase 5, Gurugram 122016, Haryana, India			
112	Effect of polyglycerol polyricinoleate on the polymorphic transitions and physicochemical properties of mango butter	Qureshi, D (Qureshi, Dilshad)[1] Behera, H (Behera, Haladhar)[1] Anis, A (Anis, Arfat)[4] Kim, D (Kim, Doman)[2,3] Pal, K (Pal, Kunal)[1]	[1] Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, India [2] Seoul Natl Univ, Dept Int Agr Technol, Gwangwon Do 25354, South Korea [3] Seoul Natl Univ, Inst Green BioSci & Technol, Gwangwon Do 25354, South Korea [4] King Saud Univ, SABIC Polymer Res Ctr, Dept Chem Engr, Riyadh, Saudi Arabia	Food Chemistry	Sep 2020	6.306 Q-1
113	Graphene Oxide Increases Corneal Permeation of Ciprofloxacin Hydrochloride from Oleogels: A Study with Cocoa Butter-Based Oleogels	Hasda, AM (Hasda, Anand Mohan)[1] Vuppaladadium, SSR (Vuppaladadium, Shanmuga Sharan Rathnam)[1] Qureshi, D (Qureshi, Dilshad)[1] Prasad, G (Prasad, Giriya)[2] Mohanty, B (Mohanty, Biswaranjan)[2] Banerjee, I (Banerjee, Indranil)[3] Shaikh, H (Shaikh, Hamid)[4]	[1] Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela, India [2] Inst Pharm & Technol, Cuttack, India [3] Indian Inst Technol, Dept Biosci & Bioengr, Jodhpur, Rajasthan, India [4] King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh, Saudi Arabia [5] Natl Inst Technol, Dept Food Proc Engr, Rourkela, India	Journal of Drug Delivery Science and Technology	Dec 2020	2.734 Q-2

		Anis, A (Anis, Arfat)[4] Sarkar, P (Sarkar, Preetam)[5] Pal, K (Pal, Kunal)[1]				
114	Synthesis, Characterization and Catalytic Evaluation of Chromium Oxide Deposited on Titania-Silica Mesoporous Nanocomposite for the Ethane Dehydrogenation with CO ₂	l-Awadi, AS (Al-Awadi, Abdulrhman S.)[1] El-Toni, AM (El-Toni, Ahmed Mohamed)[2] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[1] Abasaeed, AE (Abasaeed, Ahmed E.)[1] Khan, A (Khan, Aslam)[2]	1] King Saud Univ, Chem Engn Dept [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia	Crystals	Apr 2020	2.404 Q-2
115	Dehydrogenation of Ethane to Ethylene by CO ₂ over Highly Dispersed Cr on Large-Pore Mesoporous Silica Catalysts	Al-Awadi, AS (Al-Awadi, Abdulrhman S.)[1] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[1] El-Toni, AM (El-Toni, Ahmed Mohamed)[2] Abasaeed, AE (Abasaeed, Ahmed E.)[1]	[1] King Saud Univ, Dept Chem Engn [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia	Catalysts	Jan 2020	3.52 Q-2
116	Synergetic Impact of Secondary Metal Oxides of Cr-M/MCM41 Catalyst Nanoparticles for Ethane Oxidative Dehydrogenation Using Carbon Dioxide	Al-Awadi, AS (Al-Awadi, Abdulrhman S.)[1] El-Toni, AM (El-Toni, Ahmed Mohamed)[2] Alhoshan, M (Alhoshan, Mansour)[1] Khan, A (Khan, Aslam)[2] Shar, MA (Shar, Muhammad	[1] King Saud Univ, Chem Engn Dept [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia	Crystals	Jan 2020	2.404 Q-2

		Ali)[2] Abasaeed, AE (Abasaeed, Ahmed E.)[1] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[1]				
117	Sonochemical production of hydrogen: A numerical model applied to the recovery of aqueous methanol waste under oxygen atmosphere	Kerboua, K (Kerboua, Kaouther)[1] Hamdaoui, O (Hamdaoui, Oualid)[2] Al-Zahrani, S (Al-Zahrani, Saeed)[2]	[1] Higher Sch Ind Technol, Dept Second Cycle, Annaba, Algeria [2] King Saud Univ, Coll Engn, Chem Engr Dept, Riyadh, Saudi Arabia	Environmental Progress & Sustainable Energy	Aug 2020	1.989 Q-3
118	Toward understanding the mechanism of pure CO ₂ -quenching sonochemical processes	Merouani, S (Merouani, Slimane)[1] Hamdaoui, O (Hamdaoui, Oualid)[2] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[2]	[1] Univ Salah Bounider Constantine 3, Lab Environm Proc Engr, Dept Chem Engr, Fac Proc Engr, Constantine, Algeria [2] King Saud Univ, Coll Engn, Chem Engr Dept	Journal of Chemical Technology and Biotechnology	Jan 2020	2.75 Q-2
119	The multiple role of inorganic and organic additives in the degradation of reactive green 12 by UV/chlorine advanced oxidation process	Belghit, A (Belghit, Aouattef)[1] Merouani, S (Merouani, Slimane)[1] Hamdaoui, O (Hamdaoui, Oualid)[2] Bouhelassa, M (Bouhelassa, Mohammed)[1] Al-Zahrani, S (Al-Zahrani, Saeed)[2]	[1] Univ Salah Bounider Constantine 3, Fac Proc Engr, Dept Chem Engr, Lab Environm Proc Engr, POB 72, Constantine 25000, Algeria [2] King Saud Univ, Coll Engn, Chem Engr Dept, Riyadh, Saudi Arabia	Environmental Technology	Aug 2020	2.213 Q-3
120	Prospective production of fructose and single cell protein from date palm waste	Putra, MD (Putra, Meilana Dharma)[1] Abasaeed, AE (Abasaeed, Ahmed	[1] Lambung Mangkurat Univ, Fac Engr, Dept Chem Engr, Banjarbaru 70714, Indonesia	Electronic Journal of Biotechnology	Nov 2020	2.894 Q-2

		E.)[2] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[2]	[2] King Saud Univ, Coll Engn, Dept Chem Engn			
121	Optimization of module length and number of stages in a multistage membrane distillation configuration	Ali, E (Ali, Emad)[1]	[1] King Saud Univ, Chem Engn Dept, Riyadh, Saudi Arabia	Experimental Heat Transfer	Sep 2020	2.543 Q-2
122	Systematic design of a wind-driven reverse osmosis desalination plant for Arar City, Saudi Arabia	Ali, E (Ali, Emad)[1]	[1] King Saud Univ, Chem Engn Dept	Desalination and Water Treatment	Nov 2020	0.854 Q-4
123	Nonlinear dynamic modeling and validation of a direct contact membrane distillation for water desalination	Ali, E (Ali, Emad)[1] Orfi, J (Orfi, Jamel)[2] Najib, A (Najib, Abdullah)[2]	[1] King Saud Univ, Chem Engn Dept [2] King Saud Univ, Mech Engn Dept	Applied Thermal Engineering	Oct 2020	4.725 Q-1

**Electrical Engineering Department
&
Technology Innovation Center)RFTON(ICS**

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	A Novel Crow Search Algorithm Auto-Drive PSO for Optimal Allocation and Sizing of Renewable Distributed Generation	Farh, HMH (Farh, Hassan M. H.)[1] Al-Shaalan, AM (Al-Shaalan, Abdullah M.)[1] Eltamaly, AM (Eltamaly, Ali Mohamed)[2] Al-Shamma'a, AA (Al-Shamma'a, Abdullrahman A.)[1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept [2] King Saud Univ, Sustainable Energy Technol Ctr	IEEE Access	Jan 2020	3.745 Q-1
2	A novel severity performance index for optimal allocation and sizing of photovoltaic distributed generations	Farh, HMH (Farh, Hassan M. H.)[1] Al-Shaalan, AM (Al-Shaalan, Abdullah M.)[1] Eltamaly, AM (Eltamaly, Ali M.)[2] Al-Shamma'a, AA (Al-Shamma'a, Abdullrahman A.)[1,	[1] King Saud Univ, Coll Engn, Elect Engn Dept [2] King Saud Univ, Sustainable Energy Technol Ctr	Energy Reports	Nov 2020	2.101 Q-3
3	Techno-Economic Optimization of Small-Scale Hybrid Energy Systems Using Manta Ray Foraging Optimizer	Alturki, FA (A. Alturki, Fahd)[1] Farh, HMH (M. H. Farh, Hassan)[1] Al-Shamma'a, AA (A. Al-Shamma'a, Abdullrahman)[1] AlSharabi, K (AlSharabi, Khalil)[1]	[1] King Saud Univ, Dept Elect Engn, Coll Engn	Electronics	Dec 2020	2.412 Q-2
4	Novel Manta Rays Foraging Optimization Algorithm Based Optimal Control for Grid-Connected PV Energy System	Alturki, FA (Alturki, Fahd A.)[1] Omotoso, HO (Omotoso, Hammed O.)[1] Al-Shamma'a, AA (Al-Shamma'a, Abdullrahman A.)[1]	[1] King Saud Univ, Elect Engn Dept, Coll Engn	IEEE Access	Oct 2020	3.745 Q-1

		Farh, HMH (Farh, Hassan M. H.)[1] Alsharabi, K (Alsharabi, Khalil)[1]				
5	Optimal sizing of autonomous hybrid energy system using supply-demand-based optimization algorithm	Alturki, FA (Alturki, Fahd A.)[1] Al-Shamma'a, AA (Al-Shamma'a, Abdullrahman A.)[1,] Farh, HMH (Farh, Hassan M. H.)[1] AlSharabi, K (AlSharabi, Khalil)[1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept	International Journal of Energy Research	Aug 2020	3.741 Q-2
6	Simulations and dSPACE Real-Time Implementation of Photovoltaic Global Maximum Power Extraction under Partial Shading	Alturki, FA (Alturki, Fand A.)[1] Al-Shamma'a, AA (Al-Shamma'a, Abdullrahman A.)[1] Farh, HMH (Farh, Hassan M. H.)[1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept	Sustainability	May 2020	2.576 Q-2
7	Techno-economic assessment for energy transition from diesel-based to hybrid energy system-based off-grids in Saudi Arabia	Abdullrahman Abdullah Al-Shamma. a][1 Fahd A. Alturki [1] Hassan M. H. Farh [1]	[1] Electrical Engineering Department, College of Engineering, King Saud University	Energy Transitions	Dec 2020	1.72 Q-2
8	Identifying structured light modes in a desert environment using machine learning algorithms	Ragheb, A (Ragheb, Amr)[1] Saif, W (Saif, Waddah)[1,2] Trichili, A (Trichili, Abderrahmen)[3] Ashry, I (Ashry, Islam)[3] Esmail, MA (Esmail, Maged A.)[4] Altamimi, M (Altamimi, Majid)[2] Almaiman, A (Almaiman, Ahmed)[2] Altubaishi, E (Altubaishi, Essam)[2] Ooi, BS (Ooi, Boon S.)[3] Alouini, MS (Alouini, Mohamed-Slim)[3]	[1] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc [2] King Saud Univ, Dept Elect Engn [3] King Abdullah Univ Sci & Technol, Comp Elect & Math Sci & Engn, Thuwal 239556900, Saudi Arabia [4] Prince Sultan Univ, Fac Engn, Commun & Networks Engn Dept, Riyadh 11586, Saudi Arabia	Optics Express	Mar 2020	3.669 Q-1

		Alshebeili, S (Alshebeili, Saleh)[1,2]				
9	EEG Signal Analysis for Diagnosing Neurological Disorders Using Discrete Wavelet Transform and Intelligent Techniques	Alturki, FA (Alturki, Fahd A.)[1] AlSharabi, K (AlSharabi, Khalil)[1] Abdurraqeeb, AM (Abdurraqeeb, Akram M.)[1] Aljalal, M (Aljalal, Majid)[1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh 80011421, Saudi Arabia	Sensors	May 2020	3.275 Q-2
10	Au-NPs embedded Z-scheme WO3/TiO2 nanocomposite for plasmon-assisted photocatalytic glycerol-water reforming towards enhanced H2 evolution	MuhammadTahir [a] MohammadSiraj [b] BeenishTahir [a] MuhammadUmer [a] HajarAlias [a] N.Othman [c]	[a] Department of Chemical Engineering, School of Chemical and Energy Engineering, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Johor, Malaysia [b] College of Engineering, King Saud University, Saudi Arabia [c] Micropollutant Research Centre, Faculty of Civil and Environmental Engineering, Universiti Tun Hussein Onn Malaysia, Malaysia	Applied Surface Science	Feb 2020	6.182 Q-1
11	2D/2D Mt/m-CN composite with enriched interface charge transfer for boosting photocatalytic CO2 hydrogenation by H2 to CH4 under visible light	BeenishTahir [a] MuhammadTahir [a] Mohd AziziChe Yunus [b] Abdul RahmanMohamed [c] Mohammad Siraj [d] Amanullah Fatehmulla [d]	[a] Department of Chemical Engineering, School of Chemical and Energy Engineering, Universiti Teknologi Malaysia (UTM), 81310 UTM Johor Bahru, Johor, Malaysia [b] Centre of Lipid Engineering Applied Research, School of Chemical & Energy Engineering, Universiti Teknologi, Malaysia [c] School of Chemical Engineering, Universiti Sains	Applied Surface Science	Aug 2020	6.182 Q-1

			Malaysia, Engineering Campus, Seri Ampangan, 14300 Nibong Tebal, Pulau Pinang, Malaysia [d] King Saud University, Elect Engn Dept, Riyadh, Saudi Arabia			
12	Tailoring metal/support interaction in 0D TiO ₂ NPs/MPs embedded 2D MAX composite with boosted interfacial charge carrier separation for stimulating photocatalytic H ₂ production	BeenishTahir [a] Pei WenEra [a] MuhammadTahir [a] Mohd Ghazali MohdNawawia Mohammad Siraj [b] HajarAlias [a] Amanullah Fatehmulla [b]	[a] Department of Chemical Engineering, School of Chemical and Energy Engineering, Universiti Teknologi Malaysia (UTM), 81310, Johor Bahru, Johor, Malaysia [b] King Saud University, , Elect Engn Dept, Riyadh, Saudi Arabia	Journal of Environmental Chemical Engineering	Sep 2020	4.30 Q-2
13	Robust μ -Synthesis With Dahl Model Based Feedforward Compensator Design for Piezo-Actuated Micropositioning Stage	Irfan Ahmad [1] Mahmoud A. Ali [1] Wonsuk Ko [1]	[1] College of Engineering, King Saud University, , Elect Engn Dept, Riyadh, Saudi Arabia	IEEE Access	Aug 2020	3.745 Q-1
14	Trading Saudi Stock Market Shares using Multivariate Recurrent Neural Network with a Long Short-term Memory Layer	Alturki, FA (Alturki, Fahd A.) [1] Aldughaiyem, AM (Aldughaiyem, Abdullah M.) [1]	[1] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia	International Journal of Advanced Computer Science and Applications	Sep 2020	Newly Added to ISI List Q-4
15	Simulation and experimental validation of fast adaptive particle swarm optimization strategy for photovoltaic global peak tracker under dynamic partial shading	Eltamaly, AM (Eltamaly, Ali M.) [1,2,3] Al-Saud, MS (Al-Saud, M. S.) [3,4] Abokhalil, AG (Abokhalil, Ahmed G.) [5,6] Farh, HMH (Farh, Hassan M. H.) [4]	[1] King Saud Univ, Sustainable Energy Technol Ctr [2] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt [3] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil &	Renewable & Sustainable Energy Reviews	May 2020	12.11 Q-1

			Secur [4] King Saud Univ, Coll Engn, Elect Engn Dept [5] Majmaah Univ, Elect Engn Dept, Almajmaah 11952, Saudi Arabia [6] Assiut Univ, Elect Engn Dept, Assiut 71515, Egypt			
16	Network Traffic Reduction and Representati,on“ International Journal of Sensor Networks	Basil AsSadhan [1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh 80011421, Saudi Arabia	International Journal of Sensor Networks	Aug 2020	1.428 Q-4
17	Machine Learning Aided Blockchain Assisted Framework for Wireless Networks	Khan, AS (Khan, Amjad Saeed)[1] Zhang, XR (Zhang, Xinruo)[2] Lambotharan, S (Lambotharan, Sangarapillai)[3] Zheng, G (Zheng, Gan)[4] AsSadhan, B (AsSadhan, Basil)[5] Hanzo, L (Hanzo, Lajos)[6]	[1] Coventry Univ, Sch Comp Elect & Math, Coventry, W Midlands, England [2] Univ Essex, Sch Comp Sci & Elect Engn, Colchester, Essex, England [3] Loughborough Univ, Signal Proc & Networks Res Grp, Wolfson Sch Mech Elect & Mfg Engn, Loughborough, Leics, England [4] Loughborough Univ, Signal Proc Wireless Commun, Wolfson Sch Mech Elect & Mfg Engn, Loughborough, Leics, England [5] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [6] Univ Southampton, Southampton, Hants, England	IEEE Network	Sep 2020	8.808 Q-1
18	Joint beamforming and admission	Bsebsu, A (Bsebsu, Ashraf)[1]	[1] Loughborough Univ, Signal	IET Signal	Jul 2020	1.692

	control for cache-enabled Cloud-RAN with limited fronthaul capacity	Zheng, G (Zheng, Gan)[1] Lambotharan, S (Lambotharan, Sangarapillai)[1] Cumanan, K (Cumanan, Kanapathippillai)[2] AsSadhan, B (AsSadhan, Basil) [3]	Proc & Networks Res Grp, Loughborough LE11 3TU, Leics, England [2] Univ York, Dept Elect Engn, York YO10 5DD, N Yorkshire, England [3] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia	Processing		Q-3
19	Trusted UAV Network Coverage Using Blockchain, Machine Learning, and Auction Mechanisms	Khan, AS (Khan, Amjad Saeed)[1] Chen, GJ (Chen, Gaojie)[2] Rahulamathavan, Y (Rahulamathavan, Yogachandran)[3] Zheng, G (Zheng, Gan)[4] Assadhan, B (Assadhan, Basil)[5] Lambotharan, S (Lambotharan, Sangarapillai)[4]	[1] Coventry Univ, Sch Comp Elect & Math, Coventry CV1 5FB, W Midlands, England [2] Univ Leicester, Sch Engn, Leicester LE1 7RH, Leics, England [3] Loughborough Univ, Inst Digital Technol, London E20 3BS, England [4] Loughborough Univ, Wolfson Sch Mech Elect & Mfg Engn, Loughborough LE11 3TU, Leics, England [5] King Saud Univ, Elect Engn Dept, Riyadh 11451, Saudi Arabia	IEEE Access	Aug 2020	3.745 Q-1
20	A Robust Anomaly Detection Technique Using A Constant False Alarm Rate Approach	Basil AsSadhan [1] Rayan AlShaalan [1] Diab M. Diab [1] Abraham Alzoghaiby [1] Saleh Alshebeili [1] Jalal Al-Muhtadi [1]	[1] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia	Journal of Environmental Chemical Engineering	May 2020	4.300 Q-2

		Hesham Bin-Abbas [1] Fathi Abd El-Samie [1]				
21	Graphene oxide integrated silicon photonics for detection of vapour phase volatile organic compounds	Tsui, HCL (Tsui, H. C. Leo)[1,2] Als Salman, O (Als Salman, Osamah)[1,2] Mao, BY (Mao, Boyang)[3,4] Alodhayb, A (Alodhayb, Abdullah)[5] Albrithen, H (Albrithen, Hamad)[5] Knights, AP (Knights, Andrew P.)[6,7] Halsall, MP (Halsall, Matthew P.)[1,2] Crowe, IF (Crowe, Iain F.)[1,2]	[1] Univ Manchester, Photon Sci Inst, Manchester M13 9PL, Lancs, England [2] Univ Manchester, Dept Elect & Elect Engn, Manchester M13 9PL, Lancs, England [3] Univ Manchester, Natl Graphene Inst, Manchester M13 9PL, Lancs, England [4] Univ Manchester, Dept Phys & Astron, Manchester M13 9PL, Lancs, England [5] King Saud Univ, King Abdullah Inst Nanotechnol, Aramco Lab Appl Sensing Res, Riyadh 11451, Saudi Arabia [6] McMaster Univ, Dept Engn Phys, Hamilton, ON L8S 4L7, Canada [7] McMaster Univ, Ctr Emerging Device Technol, Hamilton, ON L8S 4L7, Canada	Scientific Reports	Jun 2020	3.998 Q-1
22	TiNb thin films as absorbers for LWIR microbolometers	Abdel-Rahman, M (Abdel-Rahman, M.)[1,2] Hezam, M (Hezam, M.)[3] Odebowale, AA (Odebowale, A. A.)[1] Alkhalli, N (Alkhalli, N.)[1,2]	[1] King Saud Univ, Dept Elect Engn, Coll Engn [2] King Saud Univ, Coll Engn, KACST TIC Radio Frequency & Photon e Soc RFTON [3] King Saud Univ, King Abdullah Inst Nanotechnol KAIN,	Optical Materials	Oct 2020 Online	2.779 Q-2

		Alduraibi, M (Alduraibi, M.)[3,4]	Riyadh 11451, Saudi Arabia [4] King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh 11451, Saudi Arabia			
23	Toward a multi-target multi-channel hyperthermia treatment system: Proof of concept with numerical simulations	Nizam-Uddin, N (Nizam-Uddin, N.)[1] Abdulkawi, WM (Abdulkawi, Wazie M.)[1] Elshafiey, I (Elshafiey, Ibrahim)[1] Sheta, AFA (Sheta, Abdel-Fattah A.)[1]	[1] King Saud Univ, Elect Engr Dept	International Journal of Heat and Mass Transfer	Apr 2020	4.947 Q-1
24	A Stochastic Multi-Commodity Logistic Model for Disaster Preparation in Distribution Systems	Arif, A (Arif, Anmar)[1,2] Wang, ZY (Wang, Zhaoyu)[1] Chen, C (Chen, Chen)[3] Chen, B (Chen, Bo)[3]	[1] Iowa State Univ, Dept Elect & Comp Engr, Ames, IA 50011 USA [2] King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia [3] Argonne Natl Lab, Div Energy Syst, Lemont, IL 60439 USA	IEEE Transactions on Smart Grid	Jan 2020	8.267 Q-1
25	Repair and Resource Scheduling in Unbalanced Distribution Systems Using Neighborhood Search	Arif, A (Arif, Anmar)[1,2] Wang, ZY (Wang, Zhaoyu)[1] Chen, C (Chen, Chen)[3] Wang, JH (Wang, Jianhui)[4]	[1] Iowa State Univ, Dept Elect & Comp Engr, Ames, IA 50011 USA [2] King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia [3] Argonne Natl Lab, Energy Syst Div, Lemont, IL 60439 USA [4] Southern Methodist Univ, Dept Elect Engr, Dallas, TX 75205 USA	IEEE Transactions on Smart Grid	Jan 2020	8.267 Q-1
26	Sub-THz Circularly Polarized Horn Antenna Using Wire Electrical	Aqlan, B (Aqlan, Basem)[1]	[1] King Saud Univ, Dept Elect Engr	IEEE Access	Jan 2020	3.745

	Discharge Machining for 6G Wireless Communications	Himdi, M (Himdi, Mohamed)[2] Le Coq, L (Le Coq, Laurent)[2] Vettikalladi, H (Vettikalladi, Hamsakutty)[1]	[2] Univ Rennes 1, Inst Elect & Telecommun Rennes IETR, F-35000 Rennes, France			Q-1
27	Design of Physical Layer Key Generation Encryption Method Using ACO-OFDM in VLC Networks	Al-Moliki, Y (Al-Moliki, Yahya)[1] Alresheedi, M (Alresheedi, Mohammed)[1] Al-Harhi, Y (Al-Harhi, Yahya)[1]	[1] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEICE Transactions on Communications	Sep 2020	0.614 Q-4
28	Improving Availability and Confidentiality via Hyperchaotic Baseband Frequency Hopping Based on Optical OFDM in VLC Networks	Al-Moliki, YM (Al-Moliki, Yahya M.)[1] Alresheedi, MT (Alresheedi, Mohammed T.)(1) Al-Harhi, Y (Al-Harhi, Yahya)[1]	[1] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEEE ACCESS	Jan 2020	3.745 Q-1
29	Demonstration of Tunable Optical Aggregation of QPSK to 16-QAM Over Optically Generated Nyquist Pulse Trains Using Nonlinear Wave Mixing and a Kerr Frequency Comb	Fallahpour, A (Fallahpour, Ahmad)[1] Zhou, HB (Zhou, Huibin)[1] Liao, PC (Liao, Peicheng)[1] Liu, C (Liu, Cong)[1] Tur, M (Tur, Moshe)[4] Kippenberg, TJ (Kippenberg, Tobias J.)(3) Willner, AE (Willner, Alan E.)(1) Alishahi, F (Alishahi, Fatemeh)[1] Zou, KH (Zou, Kaiheng)[1] Cao, YW (Cao, Yinwen)[1] Almaiman, A (Almaiman, Ahmed)[2] Kordts, A (Kordts, Arne)[3]	[1] Univ Southern Calif, Ming Hsieh Dept Elect Engn, Los Angeles, CA 90089 USA [2] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia [3] Ecole Polytech Fed Lausanne, CH-1015 Lausanne, Switzerland [4] Tel Aviv Univ, Sch Elect Engn, IL-69978 Ramat, Israel	Journal of Lightwave Technology	Jan 2020	4.288 Q-1

		Karpov, M (Karpov, Maxim)[3] Pfeiffer, MHP (Pfeiffer, Martin Hubert Peter)[3] Manukyan, K (Manukyan, Karapet)[1]				
30	Experimental Mitigation of Atmospheric Turbulence Effect Using Pre-Signal Combining for Uni- and Bi-Directional Free-Space Optical Links With Two 100-Gbit/s OAM-Multiplexed Channels	Song, HQ (Song, Haoqian)[1] Song, H (Song, Hao)[1] Zhang, RZ (Zhang, Runzhou)[1] Manukyan, K (Manukyan, Karapet)[1] Li, L (Li, Long)[1] Zhao, Z (Zhao, Zhe)[1] Pang, K (Pang, Kai)[1] Liu, C (Liu, Cong)[1] Almaiman, A (Almaiman, Ahmed)[1,2] Bock, R (Bock, Robert)[3] Lynn, B (Lynn, Brittany)[4] Tur, M (Tur, Moshe)[5] Willner, AE (Willner, Alan E.)[1]	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA [2] King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia [3] R DEX Syst, Marietta, GA 30068 USA [4] Space & Naval Warfare Syst Ctr, San Diego, CA 92152 USA [5] Tel Aviv Univ, Sch Elect Engr, IL-69978 Ramat Aviv, Israel	Journal of Lightwave Technology	Jan 2020	4.288 Q-1
31	Simultaneous turbulence mitigation and channel demultiplexing for two 100 Gbit/s orbital-angular-momentum multiplexed beams by adaptive wavefront shaping and diffusing	Zhang, RZ (Zhang, Runzhou)[1] Song, H (Song, Hao)[1] Zhao, Z (Zhao, Zhe)[1] Song, HQ (Song, Haoqian)[1] Du, J (Du, Jing)[1] Liu, C (Liu, Cong)[1]	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA [2] King Saudi Univ, Dept Elect Engr, Riyadh 11362, Saudi Arabia [3] Univ Rochester, Inst Opt, Rochester, NY 14627 USA	Optics Letters	Feb 2020	3.714 Q-1

		Pang, K (Pang, Kai)[1] Li, L (Li, Long)[1] Zhou, HB (Zhou, Huibin)[1] Willner, AN (Willner, Ari N.)[1] Almaiman, A (Almaiman, Ahmed)[1,2] Zhou, YY (Zhou, Yiyu)[3] Boyd, RW (Boyd, Robert W.)[3] Lynn, B (Lynn, Brittany)[4] Bock, R (Bock, Robert)[5] Tur, M (Tur, Moshe)[6] Willner, AE (Willner, Alan E.)[1]	[4] Pacific, Space & Naval Warfare Syst Ctr, San Diego, CA 92152 USA [5] R DEX Syst, Marietta, GA 30068 USA [6] Tel Aviv Univ, Sch Elect Engn, IL-69978 Ramat Aviv, Israel			
32	Flexible spectrum sharing of two asynchronous phase-shift keying signals using power division multiplexing	Liao, PC (Liao, Peicheng)[1] Zou, KH (Zou, Kaiheng)[1] Zhou, HB (Zhou, Huibin)[1] Fallahpour, A (Fallahpour, Ahmad)[1] Hu, NZ (Hu, Nanzhe)[1] Cao, YW (Cao, Yinwen)[1] Almaiman, A (Almaiman, Ahmed)[1,2] Alishahi, F (Alishahi, Fatemeh)[1] Bao, CJ (Bao, Changjing)[1] Tur, M (Tur, Moshe)[3] Willner, AE (Willner, Alan E.)[1]	[1] Univ Southern Calif, Dept Elect Engn, Los Angeles, CA 90089 USA [2] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia [3] Tel Aviv Univ, Sch Elect Engn, IL-69978 Ramat Aviv, Israel	Optics Letters	Feb 2020	3.714 Q-1
33	Higher-order QAM data transmission	Zou, KH (Zou, Kaiheng)[1]	[1] Univ Southern Calif, Dept	Optics Letters	Mar 2020	3.714

	using a high-coherence hybrid Si/III-V semiconductor laser	Zhang, ZW (Zhang, Zhewei)[2] Liao, PC (Liao, Peicheng)[1] Wang, HL (Wang, Huolei)[2] Cao, YW (Cao, Yinwen)[1] Almaiman, A (Almaiman, Ahmed)[1,3] Fallahpour, A (Fallahpour, Ahmad)[1] Alishahi, F (Alishahi, Fatemeh)[1] Satyan, N (Satyan, Naresh)[4] Rakuljic, G (Rakuljic, George)[4] Tur, M (Tur, Moshe)[5] Yariv, A (Yariv, Amnon)[2,6] Willner, AE (Willner, Alan E.)[1]	Elect Engn, Los Angeles, CA 90089 USA [2] CALTECH, Dept Appl Phys & Mat Sci, Pasadena, CA 91125 USA [3] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [4] Telaris Inc, Santa Monica, CA 90403 USA [5] Tel Aviv Univ, Sch Elect Engn, IL-69978 Ramat Aviv, Israel [6] CALTECH, Dept Elect Engn, Pasadena, CA 91125 USA			Q-1
34	Kramers Kronig detection of four 20 Gbaud 16-QAM channels using Kerr combs for a shared phase estimation	Zou, KH (Zou, Kaiheng)[1] Liao, PC (Liao, Peicheng)[1] Cao, YW (Cao, Yinwen)[1] Kordts, A (Kordts, Arne)[2] Almaiman, A (Almaiman, Ahmed)[1,3] Karpov, M (Karpov, Maxim)[2] Pfeiffer, MHP (Pfeiffer, Martin Hubert Peter)[2] Alishahi, F (Alishahi, Fatemeh)[1] Fallahpour, A (Fallahpour, Ahmad)[1]	[1] Univ Southern Calif, Dept Elect Engn, Los Angeles, CA 90089 USA [2] Ecole Polytech Fed Lausanne, Lausanne, Switzerland [3] King Saud Univ, Dept Elect Engn, Riyadh 11362, Saudi Arabia [4] Tel Aviv Univ, Sch Elect Engn, IL-69978 Ramat Aviv, Israel	Optics Letters	Apr 2020	3.714 Q-1

		Tur, M (Tur, Moshe)[4] Kippenberg, TJ (Kippenberg, Tobias J.)[2] Willner, AE (Willner, Alan E.)[1]				
35	Demonstration of wavelength tunable optical modulation format conversion from 20 and 30 Gbit/s QPSK to PAM4 using nonlinear wave mixing	Fallahpour, A (Fallahpour, Ahmad)[1] Alishahi, F (Alishahi, Fatemeh)[1] Almaiman, A (Almaiman, Ahmed)[1,2] Cao, YW (Cao, Yinwen)[1] Mohajerin-Ariaei, A (Mohajerin-Ariaei, Amirhossein)[1] Liao, PC (Liao, Peicheng)[1] Liu, C (Liu, Cong)[1] Zou, KH (Zou, Kaiheng)[1] Langrock, C (Langrock, Carsten)[3] Fejer, MM (Fejer, Martin M.)[3] Tur, M (Tur, Moshe)[4] ; Willner, AE (Willner, Alan E.)[1]	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA [2] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia [3] Stanford Univ, Edward L Ginzton Lab, 348 Via Pueblo Mall, Stanford, CA 94305 USA [4] Tel Aviv Univ, Sch Elect Engr, IL-69978 Ramat Aviv, Israel	Optics Communications	Mar 2020	2.125 Q-3
36	Continuous delay tunability using a combination of three types of fiber Bragg gratings, wavelength conversion, and wavelength multicasting with a frequency comb	Almaiman, A (Almaiman, Ahmed)[1,2] Cao, YW (Cao, Yinwen)[1] Mohajerin-Ariaei, A (Mohajerin-Ariaei, Amirhossein)[1] Alishahi, F (Alishahi, Fatemeh)[1] Fallahpour, A (Fallahpour, Ahmad)[1]	[1] Univ Southern Calif, Ming Hsieh Dept Elect Engr, 3740 McClintock Ave, Los Angeles, CA 90089 USA [2] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia [3] Tel Aviv Univ, Sch Elect Engr, IL-69978 Ramat Aviv, Israel	Optics Communications	Jun 2020	2.125 Q-3

		Starodubov, D (Starodubov, Dmitry)[1] Zou, KH (Zou, Kaiheng)[1] Liao, PC (Liao, Peicheng)[1] Bao, CJ (Bao, Changjing)[1] Zach, S (Zach, Shlomo)[3] Cohen, N (Cohen, Nadav)[3] Tur, M (Tur, Moshe)[3] Willner, AE (Willner, Alan E.)[1]				
37	Dynamic spatiotemporal beams that combine two independent and controllable orbital-angular-momenta using multiple optical-frequency-comb lines	Zhao, Z (Zhao, Zhe)[1] ; Song, H (Song, Hao)[1] ; Zhang, RZ (Zhang, Runzhou)[1] Pang, K (Pang, Kai)[1] Liu, C (Liu, Cong)[1] Song, HQ (Song, Haoqian)[1] Almaiman, A (Almaiman, Ahmed)[1,2] Manukyan, K (Manukyan, Karapet)[1] Zhou, HB (Zhou, Huibin)[1] Lynn, B (Lynn, Brittany)[3] Boyd, RW (Boyd, Robert W.)[4,5] Tur, M (Tur, Moshe)[6] ; Willner, AE (Willner, Alan E.)[1]	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA [2] King Saud Univ, Riyadh 11362, Dept Elect Engr, Saudi Arabia [3] Naval Informat Warfare Ctr Pacific, San Diego, CA 92152 USA [4] Univ Ottawa, Dept Phys, Ottawa, ON, Canada [5] Univ Rochester, Inst Opt, Rochester, NY 14627 USA [6] Tel Aviv Univ, Sch Elect Engr, IL-69978 Ramat Aviv, Israel	Nature Communications	Aug 2020	12.121 Q-1
38	Design and Development of a Wideband Planar Yagi Antenna Using Tightly Coupled Directive Element	Ashraf, MA (Ashraf, Muhammad A.)[1,2] Jamil, K (Jamil, Khalid)[1,2]	[1] King Saud Univ, Dept Elect Engr [2] Prince Sultan Def Studies &	Micromachines	Nov 2020	2.524 Q-2

		Telba, A (Telba, Ahmed)[1] Alzabidi, MA (Alzabidi, Mohammed A.)[2] Sebak, AR (Sebak, Abdel Razik)[3]	Res Ctr PSDSARC, Riyadh 13322, Saudi Arabia [3] Concordia Univ, Dept Comp & Elect Engn, Montreal, PQ H3G 1M8, Canada			
39	Electromagnetic Soil Characterization for Undergrounded RFID System Implementation	Elboushi, A (Elboushi, Ayman)[1] Telba, A (Telba, Ahmed)[2] Sebak, A (Sebak, Abdelrazik)[3] Jamil, K (Jamil, Khalid)[2]	[1] ERI, Cairo 12622, Egypt [2] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia [3] Concordia Univ, Dept Comp & Elect Engn, Montreal, PQ H3G 1M8, Canada	Electronics	Jan 2020	2.412 Q-2
40	Design of a Compact Microstrip Triple Independently Controlled Pass Bands Filter for GSM, GPS and WiFi Applications	Basit, A (Basit, Abdul)[1] ; Khattak, MI (Khattak, M. Irfan)[1] Sebak, AR (Sebak, Abdel Razik)[2] Qazi, AB (Qazi, Abdul Baseer)[3] Telba, AA (Telba, Ahmad A.)[4]	[1] Univ Engn & Technol, Elect Engn Dept, Peshawar 25000, Pakistan [2] Concordia Univ, Elect & Comp Engn, Montreal, PQ H3G 1M8, Canada [3] Bahria Univ, Dept Software Engn, Islamabad 44000, Pakistan [4] King Saud Univ, Elect Engn Dept, Collage Engn, Elect & Commun	IEEE access	Jan 2020	3.745 Q-1
41	Design and Investigation of Modern UWB-MIMO Antenna with Optimized Isolation	Khan, MI (Khan, Muhammad Irshad)[1] Khattak, MI (Khattak, Muhammad Irfan)[1] Rahman, SU (Rahman, Saeed Ur)[2] Qazi, AB (Qazi, Abdul Baseer)[3] Telba, AA (Telba, Ahmad Abdeltawab)[4]	[1] Univ Engn & Technol, Dept Elect Engn, Peshawar 25000, Pakistan [2] Nanjing Univ Aeronaut & Astronaut NUAA, Coll Elect & Informat Engn, Nanjing 210016, Peoples R China [3] Bahria Univ, Dept Software Engn, Islamabad 44000, Pakistan	Micromachines	Apr 2020	2.525 Q-2

		Sebak, A (Sebak, Abdelrazik)[5]	[4] King Saud Univ, Dept Elect Engn [5] Concordia Univ, Elect & Comp Engn, Montreal, PQ H3G 1M8, Canada			
42	Modulation format identification of optical signals: an approach based on singular value decomposition of Stokes space projections	Eltaieb, RA (Eltaieb, Rania A.)[1] Abouelela, HAE (Abouelela, Heba A. E.)[7] Saif, WS (Saif, Waddah S.)[4,5] Ragheb, A (Ragheb, Amr)[4] Farghal, AEA (Farghal, Ahmed E. A.)[6] Ahmed, HEH (Ahmed, Hossam El-din H.)[1] Alshebeili, S (Alshebeili, Saleh)[4,5] Shalaby, HMH (Shalaby, Hossam M. H.)[2,3] Abd El-Samie, FE (Abd El-Samie, Fathi E.)[1,8]	[1] Menoufia Univ, Fac Elect Engn, Dept Elect & Elect Commun Engn, Menoufia 32952, Egypt [2] Alexandria Univ, Elect Engn Dept, Alexandria 21544, Egypt [3] Egypt Japan Univ Sci & Technol E JUST, Dept Elect & Commun Engn, Alexandria 21934, Egypt [4] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc, Riyadh 11451, Saudi Arabia [5] King Saud Univ, Dept Elect Engn [6] Sohag Univ, Fac Engn, Elect Engn Dept, Sohag 82524, Egypt [7] Egyptian Minist Hlth & Populat, Cairo, Egypt [8] Princess Nourah Bint Abdulrahman Univ, Coll Comp & Informat Sci, Dept Informat Technol, Riyadh 21974, Saudi Arabia	Applied Optics	Jul 2020	1.961 Q-3
43	Machine Learning Techniques for Optical Performance Monitoring and Modulation Format Identification: A	Saif, WS (Saif, Waddah S.)[1,2] Esmail, MA (Esmail, Maged A.)[3,4]	[1] King Saud Univ, Elect Engn Dept	IEEE Communications	2020	23.7 Q-1

	Survey	Ragheb, AM (Ragheb, Amr M.)[2] Alshaw, TA (Alshaw, Tariq A.)[1,2] Alshebeili, SA (Alshebeili, Saleh A.)[1,2]	[2] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc [3] Prince Sultan Univ, Commun & Networks Engn Dept, Riyadh 12435, Saudi Arabia [4] Prince Sultan Univ, Smart Syst Engn Lab, Riyadh 12435, Saudi Arabia	Surveys And Tutorials		
44	Optical Performance Monitoring in Mode Division Multiplexed Optical Networks	Saif, WS (Saif, Waddah S.)[1,2] Ragheb, AM (Ragheb, Amr M.)[2] Alshaw, TA (Alshaw, Tariq A.)[1,2] Alshebeili, SA (Alshebeili, Saleh A.)[1,2]	[1] King Saud Univ, Elect Engn Dept [2] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc	Journal of Lightwave Technology	Sep 2020 Online	4.288 Q-1
45	Transient search optimization: a new meta-heuristic optimization algorithm	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Elect Engn Dept, Fac Engn [2] Ain Shams Univ, Fac Engn, Elect Power & Machines Dept, Cairo 11517, Egypt	Applied Intelligence	Nov 2020	3.325 Q-2
46	Transient search optimization for electrical parameters estimation of photovoltaic module based on datasheet values	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Coll Engn, Elect Engn Dept [2] Ain Shams Univ, Fac Engn, Elect Power & Machines Dept, Cairo 11517, Egypt	Energy Conversion and Management	Jun 2020	8.208 Q-1
47	Parameters extraction of three-diode photovoltaic model using computation and Harris Hawks optimization	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Fac Engn, Elect Engn Dept [2] Ain Shams Univ, Elect Power & Machines Dept, Fac Engn, Cairo 11517, Egypt	Energy	Mar 2020	6.082 Q-1

48	Whale optimization algorithm-based Sugeno fuzzy logic controller for fault ride-through improvement of grid-connected variable speed wind generators	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Fac Engrn, Elect Engrn Dept [2] Ain Shams Univ, Fac Engrn, Elect Power & Machines Dept, Cairo 11517, Egypt	Engineering Applications of Artificial Intelligence	Jan 2020	4.201 Q-1
49	Output power smoothing of wind power plants using self-tuned controlled SMES units	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Fac Engrn, Elect Engrn Dept [2] Ain Shams Univ, Fac Engrn, Elect Power & Machines Dept, Cairo 11517, Egypt	Electric Power Systems Research	Jan 2020	3.211 Q-2
50	Optimum resource allocation in optical wireless systems with energy-efficient fog and cloud architectures	Alsulami, OZ (Alsulami, Osama Zwaed)[1] Alahmadi, AA (Alahmadi, Amal A.)[1] Saeed, SOM (Saeed, Sarah O. M.)[1] Mohamed, SH (Mohamed, Sanaa Hamid)[1] El-Gorashi, TEH (El-Gorashi, T. E. H.)[1] Alresheedi, MT (Alresheedi, Mohammed T.)[2] Elmirghani, JMH (Elmirghani, Jaafar M. H.)[1]	[1] Univ Leeds, Sch Elect & Elect Engrn, Leeds LS2 9JT, W Yorkshire, England [2] King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia	Philosophical Transactions of The Royal Society A-Mathematical Physical and Engineering Sciences	Apr 2020	3.275 Q-2
51	Phase-mismatch dependence of the four wave mixing effect in	Kharraz, OM (Kharraz, O. M.)[1]	[1] Univ Tun Hussein Onn Malaysia, Fac Elect & Elect Engrn,	Applied Optics	Jan 2020	1.961

	semiconductor optical amplifiers	Connelly, MJ (Connelly, M. J.)[2] Supa'at, ASM (Supa'at, A. S. M.)[3] Abas, AF (Abas, A. F.)[4] Alresheedi, MT (Alresheedi, M. T.)[4] Mandi, MA (Mandi, M. A.)[5]	Batu Pahat 86400, Johor, Malaysia [2] Univ Limerick, Dept Elect & Comp Engn, Opt Commun Res Grp, Limerick, Ireland [3] Univ Teknol Malaysia, Sch Elect Engn, Lighiwave Commun Res Grp, Skudai 81310, Johor, Malaysia [4] King Saud Univ, Coll Engn, Dept Elect Engn [5] Univ Putra Malaysia, Fac Engn, Wireless & Photon Networks Res Ctr, Serdang 43400, Selangor, Malaysia			Q-3
52	Piecewise Quadratic Slope Compensation Technique for DC-DC Switching Converters	El Aroudi, A (Aroudi, Abdelali El)[1] Mandal, K (Mandal, Kuntal)[2] Al-Numay, MS (Al-Numay, Mohammed S.)[3] Giaouris, D (Giaouris, Damian)[4] Banerjee, S (Banerjee, Soumitro)[5]	[1] Univ Rovira & Virgili, Dept Engn Elect Elect & Automat, Tarragona 43003, Spain [2] Natl Inst Technol Sikkim, Dept Elect & Elect Engn, Ravangla 737139, India [3] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia [4] Newcastle Univ, Sch Elect & Elect Engn, Newcastle Upon Tyne NE1 7RU, Tyne & Wear, England [5] Indian Inst Sci Educ & Res Kolkata, Kalyani 741246, W Bengal, India	IEEE Transactions on Circuits and Systems I- Regular Papers	Dec 2020	3.318 Q-2
53	Analysis of Subharmonic Oscillation and Slope Compensation for a Differential Boost Inverter	El Aroudi, A (El Aroudi, Abdelali)[1] Al-Numay, M (Al-Numay, Mohamed)[2]	[1] Univ Rovira & Virgili, Dept Elect Elect Engn & Automat Control, Tarragona 43002, Spain	Applied Sciences-Basel	Aug 2020	2.474 Q-2

		Haroun, R (Haroun, Reham)[1] Huang, M (Huang, Meng)[3]	[2] King Saud Univ, Elect Engr Dept, Riyadh 11451, Saudi Arabia [3] Wuhan Univ, Sch Elect Engr, Wuhan 430072, Peoples R China			
54	Multiple-Loop Control Design for a Single-Stage PV-Fed Grid-Tied Differential Boost Inverter	El Aroudi, A (El Aroudi, Abdelali)[1] Haroun, R (Haroun, Reham)[1] Al-Numay, M (Al-Numay, Mohamed)[2] Huang, M (Huang, Meng)[3]	[1] Univ Rovira & Virgili, Dept Elect Elect Engr & Automat Control, Tarragona 43007, Spain [2] King Saud Univ, Elect Engr Dept, Riyadh 11451, Saudi Arabia [3] Wuhan Univ, Sch Elect Engr, Wuhan 430072, Peoples R China	Applied Sciences-Basel	Jul 2020	2.474 Q-2
55	On the Coexistence of Multiple Limit Cycles in H-Bridge Wireless Power Transfer Systems With Zero Current Switching Control	El Aroudi, A (El Aroudi, Abdelali)[1] Huang, JB (Huang, Jianbin)[2] Al-Numay, MS (Al-Numay, Mohammed S.)[3] Li, Z (Li, Zhen)[2]	[1] Univ Rovira & Virgili, Dept Elect Elect Engr & Automat Control, Tarragona 43007, Spain [2] Beijing Inst Technol, Sch Automat, Beijing 100811, Peoples R China [3] King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia	Ieee Transactions on Circuits And Systems I-Regular Papers	May 2020	3.318 Q-2
56	Enhanced whale optimization algorithm for maximum power point tracking of variable-speed wind generators	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Fac Engr, Elect Engr Dept [2] Ain Shams Univ, Fac Engr, Elect Power & Machines Dept, Cairo 11517, Egypt	Applied Soft Computing	Jan 2020	5.472 Q-1
57	Salp swarm algorithm-based TS-FLCs for MPPT and fault ride-through capability enhancement of wind generators	Qais, M (Qais, Mohammed)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Fac Engr, Dept Elect Engr [2] Ain Shams Univ, Fac Engr, Elect Power & Machines Dept, Cairo 11517, Egypt	ISA Transactions	Jan 2020	4.305 Q-1

58	Optimal Transient Search Algorithm-Based PI Controllers for Enhancing Low Voltage Ride-Through Ability of Grid-Linked PMSG-Based Wind Turbine	Qais, MH (Qais, Mohammed H.)[1] Hasanien, HM (Hasanien, Hany M.)[2] Alghuwainem, S (Alghuwainem, Saad)[1]	[1] King Saud Univ, Coll Engn, Dept Elect Engn [2] Future Univ Egypt, Fac Engn & Technol, Dept Elect Engn, Cairo 11835, Egypt	ELECTRONICS	Nov 2020	2.412 Q-2
59	Energy Plasmon Modes in Metamaterial-filled Double-layer Graphene-wrapped Cylindrical Waveguides	Saeed, M (Saeed, M.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2] Ghaffar, A (Ghaffar, A.)[3] Alqahtani, AH (Alqahtani, Ali H.)[2,3] Khan, Y (Khan, Y.)[1]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Al Muzahimiyah Branch, Dept Elect Engn, Coll Appl Engn, Riyadh, Saudi Arabia	Plasmonics	Nov 2020	2.335 Q-3
60	Plasmon modes supported by metamaterial-filled monolayer graphene cylindrical waveguides	Saeed, M (Saeed, M.)[1] Ghaffar, A (Ghaffar, A.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2] Alqahtani, AH (Alqahtani, Ali H.)[3] Khan, Y (Khan, Y.)[2] Rehman, SU (Rehman, Sajjad Ur)[4]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Coll Appl Engn, Dept Elect Engn, Al Muzahimiyah Branch, Riyadh, Saudi Arabia [4] Namal Coll, Dept Elect Engn, Mianwali, Pakistan	Journal of The Optical Society of America B-Optical Physics	Nov 2020	2.18 Q-2
61	Dispersion characteristics of hybrid surface waves at chiral-plasma interface	Umair, M (Umair, M.)[1] Ghaffar, A (Ghaffar, A.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38000, Pakistan [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Al Muzahmiah Branch, Coll Appl	Journal of Electromagnetic Waves and Applications	Oct 2020	1.373 Q-3

		Naz, MY (Naz, M. Y.)[1] Alqahtani, AH (Alqahtani, Ali H.)[3] Khan, Y (Khan, Y.)[2]	Engn, Dept Elect Engn, Riyadh, Saudi Arabia			
62	Electromagnetic surface waves supported by a resistive metasurface-covered metamaterial structure	Yaqoob, MZ (Yaqoob, M. Z.)[1,2] Ghaffar, A (Ghaffar, A.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[3] Naz, MY (Naz, M. Y.)[1] Alqahtani, AH (Alqahtani, Ali H.)[4] Khan, Y (Khan, Y.)[3]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] Govt Coll Univ, Dept Phys, Faisalabad, Pakistan [3] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [4] King Saud Univ, Al Muzahimiyah Branch, Coll Appl Engn, Dept Elect Engn, Al Muzahmiya, Saudi Arabia	Scientific Reports	Sep 2020	3.998 Q-1
63	Study of hybrid surface Plasmon modes in metallic circular waveguide filled with magnetized plasma	Ali, MA (Ali, M. A.)[1] Ghaffar, A (Ghaffar, A.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2] Khan, Y (Khan, Y.)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] King Saud Univ, Dept Elect Engn, Riaz, Saudi Arabia	Waves in Random and Complex Media	Jun 2020	3.33 Q-1
64	Catalytic and Non-Catalytic Treatment of Industrial Wastewater under the Exposure of Non-Thermal Plasma Jet	Shukrullah, S (Shukrullah, Shazia)[1] Bashir, W (Bashir, Warda)[1] Altaf, NU (Altaf, Noor Ul Huda)[1] Khan, Y (Khan, Yasin)[2] Al-Arainy, AA (Al-Arainy, Abdulrehman Ali)[2] Sheikh, TA (Sheikh, Toqeer Ahmad)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan [2] King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11451, Saudi Arabia	Processes	Jun 2020	2.753 Q-2

65	Characteristics of Surface Plasmon Polaritons in Magnetized Plasma Film Walled by Two Graphene Layers	Umair, M (Umair, Muhammad)[1] Azam, M (Azam, Muhammad)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2] Ghaffar, A (Ghaffar, Abdul)[1] Aladadi, YT (Aladadi, Yosef Taher)[2] Khan, Y (Khan, Yasin)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38000, Pakistan [2] King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia	Journal of Nanoelectronics and Optoelectronics	May 2020	0.771 Q-4
66	Experimental and Statistical Validation of Data on Mesh-Coupled Annular Distributor Design for Swirling Fluidized Beds	Shukrullah, S (Shukrullah, Shazia)[1] Naz, MY (Naz, Muhammad Yasin)[1] Ghaffar, A (Ghaffar, Abdul)[1] Khan, Y (Khan, Yasin)[2] Al-Arainy, AA (Al-Arainy, Abdulrehman Ali)[2] Meer, R (Meer, Rashed)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan [2] King Saud Univ, Coll Engr, Dept Elect Engr, Riyadh 11451, Saudi Arabia	Processes	May 2020	2.753 Q-2
67	Electromagnetic Characterization of Graphene-Plasma Formations	Aladadi, YT (Aladadi, Yosef T.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[1]	[1] King Saud Univ, Dept Elect Engr	IEEE Transactions on Plasma Science	Apr 2020	1.309 Q-3
68	Extraction of tensor parameters of general biaxial anisotropic materials	Aladadi, YT (Aladadi, Yosef T.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[1]	[1] King Saud Univ, Dept Elect Engr	Aip Advances	Feb 2020	1.337 Q-4
69	Extraction of the terahertz constitutive tensors of multilayer graphene-dielectric stacks	Aladadi, YT (Aladadi, Yosef T.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[1]	[1] King Saud Univ, Dept Elect Engr.	Optics Communications	Jun 2020	2.125 Q-3

		S.)[1]				
70	Classification and characterization of electromagnetic materials	Aladadi, YT (Aladadi, Yosef T.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[1]	[1] King Saud Univ, Dept Elect Engn	Scientific Reports	Jul 2020	3.998 Q-1
71	Transverse electric surface waves in ferrite medium surrounded by plasma layers	Umair, M (Umair, M.)[1] Ghaffar, A (Ghaffar, A.)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[2] Alqahtani, AH (Alqahtani, Ali H.)[3] Khan, Y (Khan, Y.)[2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Coll Appl Engn, Dept Elect Engn, Al Muzahmiah Branch, Al Muzahmiah, Saudi Arabia	Journal of The European Optical Society- Rapid Publications	Jul 2020	1.239 Q-4
72	Electromagnetic Energy Surface Modes in Metamaterial-Filled Bi-layer Graphene Structures	Azam, M (Azam, Muhammad)[1] Yaqoob, MZ (Yaqoob, Muhammad Zeshan)[1,2] Ghaffar, A (Ghaffar, Abdul)[1] Alkanhal, MAS (Alkanhal, Majeed A. S.)[3] Khan, Y (Khan, Yasin)[3] Alqahtani, AH (Alqahtani, Ali H.)[3,4]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [3] King Saud Univ, Coll Appl Engn, Dept Elect Engn, Al Muzahmiah Branch, Al Muzahmiah, Saudi Arabia			
73	Energy management of a battery storage and D-STATCOM integrated power system using fractional order sliding mode control	Toqeer Ahmed; Asad Waqar [1] Essam A. Al-Ammar [1] Wonsuk Ko [1] Yongki Kim [1] Muhammad Aamir [1] Habib Ur Rahman Habib [1]	[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	CSEE Chienese Society of Electrical Engineering	Oct 2020	3.115 Q-2

74	Comprehensive impact analysis of electric vehicle charging scheduling on load-duration curve	Rahman, MM (Rahman, Mohammad Mominur)[1] Al-Ammar, EA (Al-Ammar, Essam A.)[1] Das, HS (Das, Himadry Shekhar)[2] Ko, WS (Ko, Wonsuk)[1]	[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [2] Univ Alabama, Dept Elect & Comp Engn, Tuscaloosa, AL 35401 USA	Computers & Electrical Engineering	Jul 2020	2.663 Q-2
75	ABC algorithm based optimal sizing and placement of DGs in distribution networks considering multiple objectives	Essam A.Al-Ammar [a] KiranFarzana [b] AsadWaqar [b] MuhammadAamircSaifullahdAzharUI Haq [e] MuhammadZahid [f] Memoonabatoool [b]	[a] Department of Electrical Engineering, College of Engineering, King Saud University, 11421 Riyadh, Saudi Arabia [b] Department of Electrical Engineering, Bahria University, 44000 Islamabad, Pakistan [c] Department of Electrical & Computer Engineering, PAF-IAST, 22620 Haripur, Pakistan [d] Department of Industrial Engineering, University of Engineering and Technology, 47050 Taxila, Pakistan [e] College of Electrical & Mechanical Engineering, National University of Science and Technology, 44000 Rawalpindi, Pakistan [f] Department of Electrical Engineering, Riphah International University, 55150 Lahore, Pakistan	Ain Shams Engineering Journal	Jun 2020	1.949 Q-2
76	Comprehensive impact analysis of ambient temperature on multi-	Essam A.Al-Ammar [a]	[a] Department of Electrical	Ain Shams	Jun 2020	1.949

	objective capacitor placements in a radial distribution system	Ghazi A.Ghazi [a] Wonsuk Ko [a] Yasin Khan [a] AbderrahmaneBeroual [b] JunheeHong [c] Seung-HoSung [d]	Engineering, King Saud University [b] Ecole Centrale de Lyon, University of Lyon, Ampere CNRS UMR 5005, 36 avenue Guy Collongue, Ecully 69134, France [c] Department of Energy IT, Gachon University, 1342 Seongnam Daero, Seongnam 13120, South Korea [d] Department of Electrical Engineering, Kwangwoon University, Nowon-gu, Seoul 01897, South Korea	Engineering Journal		Q-2
77	Temperature impact assessment on multi-objective DGs and SCBs placement in distorted radial distribution systems	Al-Ammar, EA (Al-Ammar, Essam A.)[1] Ghazi, GA (Ghazi, Ghazi A.)[1] Ko, W (Ko, Wonsuk)[1] Vettikalladi, H (Vettikalladi, Hamsakutty)[1]	[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	AIMS Energy	Apr 2020	Newly Added to ISI List Q-4
78	Residential Community Load Management Based on Optimal Design of Standalone HRES With Model Predictive Control	Al-Ammar, EA (Al-Ammar, Essam A.)[1] Habib, HUR (Habib, Habib Ur Rahman)[2,3] Kotb, KM (Kotb, Kotb M.)[4,5] Wang, SR (Wang, Shaorong)[2] Ko, W (Ko, Wonsuk)[1]	[1] King Saud Univ, Dept Elect Engn, Coll Engn [2] Huazhong Univ Sci & Technol, Sch Elect & Elect Engn, Wuhan 430074, Peoples R China [3] Univ Engn & Technol Taxila, Fac Elect & Elect Engn, Dept Elect Engn, Taxila 47050, Pakistan [4] Tanta Univ, Elect Power & Machines Engn Dept, Fac Engn,	IEEE Access	2020	3.745 Q-1

		Elmorshedy, MF (Elmorshedy, Mahmoud F.)[2,4] Waqar, A (Waqar, Asad)[6]	Tanta 31512, Egypt [5] Budapest Univ Technol & Econ, Fac Engr & Informat, Elect Power Dept, H-1111 Budapest, Hungary [6] Bahria Univ, Dept Elect Engr, Islamabad 44230, Pakistan			
79	SRF based versatile control technique for DVR to mitigate voltage sag problem in distribution system	Al-Ammar, EA (Al-Ammar, Essam A.)[1] Ul-Haq, A (Ul-Haq, Azhar)[2] Iqbal, A (Iqbal, Ahsan)[2] Jalal, M (Jalal, Mariam)[3,4] Anjum, A (Anjum, Almas)[2]	[1] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia [2] Natl Univ Sci & Technol, NUST Coll E&ME, Dept Elect Engr, Rawalpindi, Pakistan [3] Fatima Jinnah Women Univ, Rawalpindi, Pakistan [4] Women Univ, Lahore Coll, Lahore, Pakistan	Ain Shams Engineering Journal	Mar 2020	1.949 Q-2
80	Vanadium-Oxide-Based Thin Films with Ultra-High Thermo-Optic Coefficients at 1550 nm and 2000 nm Wavelengths	Abdel-Rahman, M (Abdel-Rahman, Mohamed)[1,2] Bahidra, E (Bahidra, Esam)[1,2] Abas, AF (Abas, Ahmed Fauzi)[1]	[1] King Saud Univ, Coll Engr, Dept Elect Engr [2] King Saud Univ, Coll Engr, KACST TIC Radio Frequency & Photon eSoc RFTONICS	Materials	Apr 2020	3.057 Q-2
81	Vanadium oxide thin films for optical readout-based thermal imager	Odebowale, AA (Odebowale, A. A.)[1] Abdel-Rahman, M (Abdel-Rahman, M.)[1,2] Albrithen, H (Albrithen, H.)[3,4]	[1] King Saud Univ, Coll Engr, Elect Engr Dept [2] King Saud Univ, Coll Engr, KACST TIC Radio Frequency & Photon E Soc RFTONICS [3] King Saud Univ, Coll Sci, Phys & Astron Dept, Res Chair Tribol Surface & Interface Sci, Riyadh 11451, Saudi Arabia [4] King Saud Univ, King	Optik	Feb 2020	2.187 Q-2

			Abdullah Inst Nanotechnol, Aramco Lab Appl Sensing Res, Saudi Arabia			
82	Multi-feature radiation pattern measurement apparatus operative up to 67-GHz band	Ashraf, MA (Ashraf, Muhammad A.)[1] Abdel-Rahman, MR (Abdel-Rahman, Mohamed R.)[3] Haraz, OA (Haraz, Osama A.)[4,5] Alshawhi, T (Alshawhi, Tariq)[3] Sethi, WT (Sethi, Waleed T.)[2] Alshebeili, SA (Alshebeili, Saleh A.)[2,3]	[1] Prince Sultan Def Studies & Res Ctr, Riyadh 13322, Saudi Arabia [2] King Saud Univ, KACST Technol Innovat Ctr Radio Frequency & Photo [3] King Saud Univ, Coll Engn, Dept Elect Engn [4] Assiut Univ, Elect Engn Dept, Assiut, Egypt [5] Shaqra Univ, Coll Engn, Elect Engn Dept, Dawadmi 11911, Ar Riyadh, Saudi Arabia	Measurement	Mar 2020	3.364 Q-1
83	Rapid Room-Temperature Synthesis of Mesoporous TiO ₂ Sub- Microspheres and Their Enhanced Light Harvesting in Dye-Sensitized Solar Cells	Alduraibi, M (Alduraibi, Mohammad)[1,2] Hezam, M (Hezam, Mahmoud)[2] Al-Ruhaimi, B (Al-Ruhaimi, Bader)[1,7] El-Toni, AM (El-Toni, Ahmed Mohamed)[2,3] Algarni, A (Algarni, Ahmad)[1,4] Abdel-Rahman, M (Abdel-Rahman, M.)[5] Qing, W (Qing, Wang)[6] ; Aldwayyan, A (Aldwayyan, Abdullah)[1,2]	[1] King Saud Univ, Coll Sci, Phys & Astron Dept, Riyadh 11451, Saudi Arabia [2] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia [3] CMRDI, Cairo 11421, Egypt [4] KACST, Natl Ctr Nanotechnol & Semicond [5] King Saud Univ, Coll Engn, Elect Engn Dept [6] Natl Univ Singapore, Dept Mat Sci & Engn, Singapore 117576, Singapore [7] Minist Educ, Gen Dept Educ,	Nanomaterials	Mar 2020	4.324 Q-2

			Riyadh 12612, Saudi Arabia			
84	Diversity and absolute combining time domain transmitter for enhanced asymmetrically and symmetrically clipped optical OFDM (EASCO-OFDM)	Abase, AF (Abase, A. F.)[1] Baig, MS (Baig, M. S.)[1] Alresheedi, MT (Alresheedi, M. T.)[1] Vettikalladi, H (Vettikalladi, H.)[1] Abdel-Rahman, M (Abdel-Rahman, M.)[1]	[1] King Saud Univ, Coll Engr, Dept Elect Engr	Optoelectronics and Advanced Materials-Rapid Communications	Oct 2020	0.445 Q-4
85	A Novel Printable Tag of M-Shaped Strips for Chipless Radio-Frequency Identification in IoT Applications	Abdulkawi, WM (Abdulkawi, Wazie M.)[1] Issa, K (Issa, Khaled)[2] Sheta, AFA (Sheta, Abdel-Fattah A.)[1] Alshebeili, SA (Alshebeili, Saleh A.)[1]	[1] King Saud Univ, Dept Elect Engr [2] Univ Monastir, Dept Phys, Lab Elect & Microelect, Monastir 1054, Tunisia	Electronics	Dec 2020	2.412 Q-2
86	Chipless RFID Sensors Based on Multistate Coupled Line Resonators	Abdulkawi, WM (Abdulkawi, Wazie M.)[1] Sheta, AFA (Sheta, Abdel-Fattah A.)[1]	[1] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia	Sensors and Actuators A-Physical	Jul 2020	2.904 Q-2
87	High coding capacity chipless radiofrequency identification tags	Abdulkawi, WM (Abdulkawi, Wazie M.)[1] Sheta, AA (Sheta, Abdelfattah A.)[1]	[1] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia	Microwave and Optical Technology Letters	Feb 2020	0.957 Q-4
88	Comprehensive review on brain-controlled mobile robots and robotic arms based on electroencephalography signals	Aljalal, M (Aljalal, Majid)[1] Ibrahim, S (Ibrahim, Sutrisno)[2] Djemal, R (Djemal, Ridha)[1] Ko, W (Ko, Wonsuk)[1]	[1] King Saud Univ, Coll Engr, Elect Engr Dept, Riyadh, Saudi Arabia [2] Sebelas Maret Univ, Coll Engr, Elect Engr Dept, Surakarta, Indonesia	Intelligent Service Robotics	Jun 2020	1.547 Q-3

89	Implementation of a Demand-Side Management Solution for South Korea's Demand Response Program	Ko, W (Ko, Wonsuk)[1] Vettikalladi, H (Vettikalladi, Hamsakutty)[1] Song, SH (Song, Seung-Ho)[2] Choi, HJ (Choi, Hyeong-Jin)[2,3]	[1] King Saud Univ, Coll Engn, Dept Elect Engn [2] Kwangwoon Univ, Dept Elect Engn, Seoul 01897, South Korea [3] GS E&C Corp, Seoul 01897, South Korea	Applied Sciences-Basel	Mar 2020	2.474 Q-2
90	A Wide Flat Triple Brillouin Frequency Spacing Multiwavelength Fiber Laser Assisted by Four Wave Mixing	Al-Alimi, AW (Al-Alimi, Abdulmoghni Wazae)[1] Al-Mansoori, MH (Al-Mansoori, Mohammed Hayder)[2] Sarmani, AR (Sarmani, Abdul Rahman)[3] Abas, AF (Abas, Ahmad F.)[4] Alresheedi, MT (Alresheedi, Mohammed T.)[4] Mahdi, MA (Mahdi, Mohd Adzir)[5]	[1] Univ Tun Hussein Onn Malaysia, Fac Elect & Elect Engn, Dept Elect Engn, Batu Pahat 86400, Malaysia [2] Sohar Univ, Fac Engn, Dept Elect & Comp Engn, Sohar 311, PC, Oman [3] Univ Putra Malaysia, Dept Phys, Fac Sci, Serdang 43400, Malaysia [4] King Saud Univ, Dept Elect Engn, Coll Engn [5] Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Fac Engn, Serdang 43400, Malaysia	Journal of Lightwave Technology	Dec 2020	4.288 Q-1
91	Influence of co- and counter-propagating light on the phase-mismatch effect in semiconductor optical amplifiers	Kharraz, OM (Kharraz, O. M.)[1] Connelly, MJ (Connelly, M. J.)[2] Supa'at, ASM (Supa'at, A. S. M.)[3] Abas, AF (Abas, A. F.)[4] Alresheedi, MT (Alresheedi, M. T.)[4] Mahdi, MA (Mahdi, M. A.)[5]	[1] Univ Tun Hussein Onn Malaysia, Fac Elect & Elect Engn, Batu Pahat 86400, Johor, Malaysia [2] Univ Limerick, Dept Elect & Comp Engn, Opt Commun Res Grp, Limerick, Ireland [3] Univ Teknol Malaysia, Sch Elect Engn, Lightwave Commun Res Grp, Skudai 81310, Johor, Malaysia	Optics and Laser Technology	May 2020	3.233 Q-1

			[4] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudia Arabia [5] Univ Putra Malaysia, Fac Engn, Wireless & Photon Networks Res Ctr, Serdang 43400, Selangor, Malaysia			
92	Generation of dark, Q-switched and bright pulses using erbium-ytterbium-thulium co-doped fiber	Lau, KY (Lau, K. Y.)[1] ; Yusoff, NM (Yusoff, N. Mohd)[2] Hadi, MAWA (Hadi, M. A. W. Abdul)[2] Abas, AF (Abas, A. F.)[3] Alresheedi, MT (Alresheedi, M. T.)[3] Mahdi, MA (Mahdi, M. A.)[2]	[1] Aalto Univ, Dept Elect & Nanoengn, Tietotie 3, Espoo 02150, Finland [2] Univ Putra Malaysia, Fac Engn, Wireless & Photon Networks Res Ctr, Upm Serdang 43400, Selangor, Malaysia [3] King Saud Univ, Coll Engn, Dept Elect Engn Riyadh, Saudi Arabia	Optics And Laser Technology	Apr 2020	3.233 Q-1
93	Phase-mismatch dependence of the four-wave mixing effect in semiconductor optical amplifiers	Abase, AF (Abase, A. F.)[1] Baig, MS (Baig, M. S.)[1] Alresheedi, MT (Alresheedi, M. T.)[1] Vettikalladi, H (Vettikalladi, H.)[1] Abdel-Rahman, M (Abdel-Rahman, M.)[1]	[1] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabia	Optoelectronics and Advanced Materials-Rapid Communications	Oct 2020	0.445 Q-4
94	A novel PSO strategy for improving dynamic change partial shading photovoltaic maximum power point tracker	Eltamaly, AM (Eltamaly, Ali M.)[1,2] Farh, HMMH (Farh, Hassan M. H.)[3] Abokhalil, AG (Abokhalil, Ahmed G.)[4]	[1] King Saud Univ, Sustainable Energy Technol Ctr, CoE, Riyadh, Saudi Arabia [2] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt [3] King Saud Univ, Elect Engn Dept, Coll Engn, Riyadh, Saudi	Energy Sources Part A-Recovery Utilization And Environmental Effects	May 2020	1.184 Q-3

			Arabia [4] Majmaah Univ, Elect Engn Dept, Almajmaah, Saudi Arabia			
95	A Novel Hyperbolic Tangent Profile for Optical Fiber for Next Generation OAM-MDM Systems	Rjeb, A (Rjeb, Alaaeddine)[1] Fathallah, H (Fathallah, Habib)[2] Khaled, I (Khaled, Issa)[1] Machhout, M (Machhout, Mohsen)[1] Alshebeili, SA (Alshebeili, Saleh A.) [3]	[1] Univ Monastir, Fac Sci Monastir, Dept Phys, Lab Elect & Microelect, Monastir 5019, Tunisia [2] Univ Carthage, Fac Sci Bizerte, Comp Dept, Lab Artificial Intelligence & Data Engn Applicat, Tunis 1054, Tunisia [3] King Saud Univ, Elect Engn Dept	IEEE Access	2020	3.745 Q-1
96	Adaptive filtering techniques for velocity estimation of tomographic electric capacitance signals of two-phase gas/oil flows	AbrahamAlzoghaiby [a] MohammedAlbagami [a] Saeed A.Aldosarib [i] Zeyad Almutairid [e] Fayez M.Al-Alweet [fg] MobienShoaib [h] Saleh A.Alshebeili [b,i]	[a] National Center for Radar and Electronic Warfare Technology, King Abdulaziz City for Science and Technology, P.O. Box 6086, Riyadh 11442, Saudi Arabia [b] Department of Electrical Engineering, College of Engineering, King Saud University [c] Department of Mechanical Engineering, King Saud University, [f] National Center for Oil and Gas Technology, King Abdulaziz City for Science and Technology, P.O. Box 6086, Riyadh 11442, Saudi Arabia [h] Prince Sultan Advanced Technology Research Institute	Flow Measurement And Instrumentation	Available online 9 December 2020.	1.965 Q-2

			(PSATRI) [i] KACST-TIC in RF and Photonics for the e-Society (RFTONICS), King Saud University			
97	Millimeter wave switching for single carrier and aggregated filter bank multi-carrier signals in radio over fiber networks	Alkhlefat, Y (Alkhlefat, Yazan)[1] Ragheb, AM (Ragheb, Amr M.)[2] Esmail, MA (Esmail, Maged A.)[3,5] Alshebeili, SA (Alshebeili, Saleh A.)[1,2] Seleem, HE (Seleem, Hussein E.)[4]	[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [2] King Saud Univ, KACST TIC Radio Frequency & Photon RFTONICS, Riyadh, Saudi Arabia [3] Prince Sultan Univ, Fac Engn, Commun & Networks Engn Dept, Riyadh, Saudi Arabia [4] Tanta Univ, Fac Engn, Elect & Elect Commun Dept, Tanta, Egypt [5] Prince Sultan Univ, Fac Engn, Smart Syst Engn Lab, Riyadh, Saudi Arabia	Optical Fiber Technology	Dec 2020	2.212 Q-2
98	A Dynamic filtering DF-RNN deep-learning-based approach for EEG-based neurological disorders diagnosis	Bouallegue, G (Bouallegue, Ghaith)[1] Djemal, R (Djemal, Ridha)[2] Alshebeili, SA (Alshebeili, Saleh A.)[3] Aldhalaan, H (Aldhalaan, Hesham)[4]	[1] Univ Sousse, ENISo Sousse, Sousse 4002, Tunisia [2] Univ Sousse, ISSAT Sousse, Sousse 4002, Tunisia [3] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [4] King Faisal Specialist Hosp & Res Ctr, Ctr Autism Res CFAR Riyadh, Riyadh 12713, Saudi Arabia	IEEE Access	2020	3.745 Q-1
99	Optimizing Arabic Speech Distinctive Phonetic Features and Phoneme Recognition Using Genetic	Ibrahim, AB (Ibrahim, Ahmed B.)[1] Seddiq, YM (Seddiq, Yasser	[1] King Saud Univ, KACST TIC Radio Frequency & Photon RFTONICS	Ieee Access	2020	3.745 Q-1

	Algorithm	Mohammad)[2] Meftah, AH (Meftah, Ali Hamid)[3] Alghamdi, M (Alghamdi, Mansour)[4] Selouani, SA (Selouani, Sid-Ahmed)[5] Qamhan, MA (Qamhan, Mustafa A.)[3] Alotaibi, YA (Alotaibi, Yousef A.)[3] Alshebeili, SA (Alshebeili, Saleh A.)[1,6]	[2] King Abdulaziz City Sci & Technol KACST, Riyadh 11442, Saudi Arabia [3] King Saud Univ, Coll Comp & Informat Sci, Riyadh, Saudi Arabia [4] Educ & Training Evaluat Commiss ETEC, Riyadh 11537, Saudi Arabia [5] Univ Moncton, LARIHS Lab, Campus Shippagan, Shippegan, NB E8S 1P6, Canada [6] King Saud Univ, Elect Engn Dept			
100	K-Band Centralized Cost-Effective All-Optical Sensing Signal Distribution Network	Esmail, MA (Esmail, Maged Abdullah)[1,2] Ragheb, A (Ragheb, Amr)[3] Seleem, H (Seleem, Hussein)[4] Fathallah, H (Fathallah, Habib)[5] Alshebeili, S (Alshebeili, Saleh)[3,6]	[1] Prince Sultan Univ, Commun & Networks Engn Dept, Riyadh 11586, Saudi Arabia [2] Prince Sultan Univ, Coll Engn, Smart Syst Engn Lab, Riyadh 11586, Saudi Arabia [3] KACST TIC Radio Frequency & Photon Ctr RFTONICS [4] Tanta Univ, Dept Elect Commun & Elect, Tanta 31527, Egypt [5] Univ Carthage, Comp Dept, Coll Sci Bizerte, Tunis 1054, Tunisia [6] King Saud Univ, Elect Engn Dept	IEEE Photonics Journal	Dec 2020	2.833 Q-2
101	Sky Imager-Based Forecast of Solar	Al-lahham, A (Al-lahham, Anas)[1]	[1] King Saud Univ, Elect Engn	Electronics	Oct 2020	2.412

	Irradiance Using Machine Learning	Theeb, O (Theeb, Obaidah)[1] Elalem, K (Elalem, Khaled)[1] Alshaw, TA (Alshaw, Tariq A.)[1] Alshebeili, SA (Alshebeili, Saleh A.)[1,2]	Dept [2] King Saud Univ, King Abdulaziz City Sci & Technol KACST, Technol Innovat Ctr TIC, Radio Frequency & Photon RFTONICS			Q-2
102	A Nonfiducial PPG-Based Subject Authentication Approach Using the Statistical Features of DWT-Based Filtered Signals	Turky N. Alotaiby [1] Fatima Aljabarti [2] Gaseb Alotibi [3] Saleh A. Alshebeili [4]	[1] KACST, Saudi Arabia [2] Prince Sultan University, Saudi Arabia [3] Public Security, Saudi Arabia [4] Department of Elect. Engineering, King Saud University, Saudi Arabia	Journal of Sensors	Oct 2020	1.595 Q-3
103	Injection-Locked Quantum-Dash Laser in Far L-Band 192 Gbit/s DWDM Transmission	Khan, MZM (Khan, Mohammed Zahed Mustafa)[1] Alkhazraji, EA (Alkhazraji, Emad A.)[1,2] Ragheb, AM (Ragheb, Amr Mohamed)[3] Esmail, MA (Esmail, Maged Abdullah)[4] Tareq, Q (Tareq, Qazi)[1] Fathallah, HA (Fathallah, Habib Ali)[5] Qureshi, KK (Qureshi, Khurram Karim)[6] Alshebeili, S (Alshebeili, Saleh)[3,7]	[1] King Fahd Univ Petr & Minerals KFUPM, Dept Elect Engr, Optoelect Res Lab, Dhahran 31261, Saudi Arabia [2] Jubail Ind Coll, Dept Elect & Elect Engr Technol, Jubail Ind City 31961, Saudi Arabia [3] King Saud Univ KSU, KACST TIC Radio Frequency & Photon E Soc RFTONICS [4] Prince Sultan Univ, Commun & Networks Engr Dept, Riyadh 11586, Saudi Arabia [5] Univ Carthage, Fac Sci Bizerte, Dept Comp, Tunis 1054, Tunisia [6] King Fahd Univ Petr & Minerals KFUPM, Dept Elect	IEEE Photonics Journal	Oct 2020	2.833 Q-2

			Engn, Dhahran 31261, Saudi Arabia [7] King Saud Univ KSU, Dept Elect Engn, Riyadh, Saudi Arabia			
104	A New Approach to Determining Liquid Concentration Using Multiband Annular Ring Microwave Sensor and Polarity Correlator	Sethi, W (Sethi, Waleed)[1] Ibrahim, A (Ibrahim, Ahmed)[1] Issa, K (Issa, Khaled)[1] Albishi, A (Albishi, Ali)[2] Alshebeili, S (Alshebeili, Saleh)[1,2]	[1] King Saud Univ, KACST TIC Radio Frequency & Photon RFTONICS [2] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia	Electronics	Oct 2020	2.412 Q-2
105	PAPR Reduction in UFMC for 5G Cellular Systems	Al-Rayif, MI (Al-Rayif, Mohammed I.)[1] Seleem, HE (Seleem, Hussein E.)[2] Ragheb, AM (Ragheb, Amr M.)[3] Alshebeili, SA (Alshebeili, Saleh A.)[3,4]	[1] King Saud Univ, Appl Elect Engn Dept, Riyadh 11451, Saudi Arabia [2] Tanta Univ, Fac Engn, Dept Elect & Elect Commun, Tanta 31527, Egypt [3] King Saud Univ, KACST TIC Radio Frequency & Photon RFTONICS [4] King Saud Univ, Elect Engn Dept	Electronics	Sep 2020	2.412 Q-2
106	Inspection of EEG signals for efficient seizure prediction	Alshebeili, SA (Alshebeili, Saleh A.)[7,9] Sedik, A (Sedik, Ahmed)[1,6] Abd El-Rahiem, B (Abd El-Rahiem, Basma)[2,11,12] Alotaiby, TN (Alotaiby, Turkey N.)[3] El Banby, GM (El Banby, Ghada M.)[4] El-Khobby, HA (El-Khobby, Heba	[1] Kafrelsheikh Univ, Fac Artificial Intelligence, Dept Robot & Intelligent Machines, Kafrelsheikh, Egypt [2] Menoufia Univ, Fac Sci, Math & Comp Sci Dept, Shibin Al Kawm, Egypt [3] KACST, Riyadh 11442, Saudi Arabia [4] Menoufa Univ, Fac Elect	Applied Acoustics	Sep 2020	2.44 Q-2

		A.)[5] Ali, MAA (Ali, Mahmoud A. A.)[5] Khalaf, AAM (Khalaf, Ashraf A. M.)[6] Abd El-Samie, FE (Abd El-Samie, Fathi E.)[8,10]	Engr, Dept Ind Elect & Control Engr, Menoufia 32952, Egypt [5] Tanta Univ, Fac Engr, Dept Elect & Elect Commun Engr, Tanta, Egypt [6] Menia Univ, Fac Engr, Dept Elect Engr, Al Minya 61111, Egypt [7] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc RFTONICS [8] Menoufa Univ, Fac Elect Engr, Dept Elect & Elect Commun Engr, Menoufia 32952, Egypt [9] King Saud Univ, Dept Elect Engr [10] Princess Nourah Bint Abdulrahman Univ, Coll Comp & Informat Sci, Dept Informat Technol, Riyadh, Saudi Arabia			
107	Electro-absorption and Electro-optic Characterization of L-Band InAs/InP Quantum-dash Waveguide	E. Alkhazraji [1,5] A. M. Ragheb [3] M. A. Esmail Q. Tareq [1] H. Fathallah [6,7] S. A. Alshebeili [6,7] K. K. Qureshi M. Z. M [2,5]	[1] Optoelectronics Research Laboratory, King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia [2] Department of Electrical and Electronic Engineering Technology, Jubail Industrial College, Jubail, Saudi Arabia [3] KACST-TIC in Radio Frequency and Photonics for the e-Society King Saud University,	IEEE Photonics Journal	Jun 2020	2.833 Q-2

			Riyadh, Saudi Arabia [4] Communications and Networks Engineering Department, Prince Sultan University, Riyadh, Saudi Arabia [5] Computer Department, University of Carthage, Tunis, Tunisia [6] KACST-TIC in Radio Frequency and Photonics for the e-Society (RFTONICS), King Saud University (KSU), Riyadh, Saudi Arabia [7] Electrical Engineering Department, King Saud University (KSU), Riyadh, Saudi Arabia			
108	Detection of metallic and nonmetallic concealed targets based on millimeter-wave inverse scattering approach	Haraz, OM (Haraz, Osama M.)[1,2] Ashraf, MA (Ashraf, Muhammad Ahmad)[3] Sebak, AR (Sebak, Abdel-Razik)[4] Alshebeili, SA (Alshebeili, Saleh A.)[3,5]	[1] Assiut Univ, Fac Engn, Elect Engr Dept, Assiut 71515, Egypt [2] Shaqra Univ, Coll Engr, Elect Engr Dept, Riyadh, Saudi Arabia [3] King Saud Univ, KACST Technol Innovat Ctr Radiofrequency & Photon, Riyadh, Saudi Arabia [4] Concordia Univ, Dept Elect & Comp Engr, Montreal, PQ, Canada [5] King Saud Univ, Elect Engr Dept, Riyadh, Saudi Arabia	International Journal Of Rf and Microwave Computer-Aided Engineering	Sep 2020	1.528 Q-3
109	Design and Characterization of Wideband Aperture-Coupled Circularly Polarized Antenna for	Haraz, OM (Haraz, Osama M.)[1,2] Ashraf, MA (Ashraf, Muhammad	[1] Assiut Univ, Elect Engr Dept, Fac Engr, Assiut 71515, Egypt [2] Shaqra Univ, Elect Engr Dept,	Wireless Personal Communications	Apr 2020	1.061 Q-4

	Gigabits Per Second Wireless Communication System	A.)[3] Ashraf, N (Ashraf, Nadeem)[3] Alshebili, SA (Alshebili, Saleh A.)[3]	Coll Engn, Dawadmi 11911, Ar Riyadh, Saudi Arabia [3] King Saud Univ, Technol Innovat Ctr Radiofrequency & Photon RFTON			
110	Efficient Classification of Optical Modulation Formats Based on Singular Value Decomposition and Radon Transformation	Eltaieb, RA (Eltaieb, Rania A.)[1] Farghal, AEA (Farghal, Ahmed E. A.)[2] Ahmed, HDH (Ahmed, HossamEl-din H.)[1] Saif, WS (Saif, Waddah S.)[3,4] Ragheb, A (Ragheb, Amr)[4] Alshebeili, SA (Alshebeili, Saleh A.)[3,4] Shalaby, HMM (Shalaby, Hossam M. H.)[5,6] Abd El-Samie, FE (Abd El-Samie, Fathi E.)[1]	[1] Menoufia Univ, Dept Elect & Elect Commun Engn, Fac Elect Engn, Menoufia 32952, Egypt [2] Sohag Univ, Elect Engn Dept, Fac Engn, Sohag 82524, Egypt [3] King Saud Univ, Dept Elect Engn [4] King Saud Univ, KACST, TIC Radio Frequency & Photon e Soc [5] Alexandria Univ, Elect Engn Dept, Alexandria 21544, Egypt [6] Egypt Japan Univ Sci & Technol, Dept Elect & Commun Engn, Alexandria 21934, Egypt	Journal of Lightwave Technology	Feb 2020	4.288 Q-1
111	QuPWM: Feature Extraction Method for Epileptic Spike Classification	Chahid, A (Chahid, Abderrazak)[1] Albalawi, F (Albalawi, Fahad)[1,2] Alotaiby, TN (Alotaiby, Turkey Nayef)[3] Al-Hameed, MH (Al-Hameed, Majed Hamad)[4] Alshebeili, S (Alshebeili, Saleh)[5] Laleg-Kirati, TM (Laleg-Kirati, Taous-Meriem)[1]	[1] King Abdullah Univ Sci & Technol KAUST, Comp Elect & Math Sci & Engn Div CEMSE, Thuwal 23955, Saudi Arabia [2] Taif Univ, Elect Engn Dept, At Taif 21955, Saudi Arabia [3] King Abdulaziz City Sci & Technol KACST, Riyadh 12354, Saudi Arabia [4] King Fahad Med City, Natl Inst Neurosci, Riyadh 11525, Saudi Arabia	IEEE Journal of Biomedical and Health Informatics	Oct 2020	5.223 Q-1

			[5] King Saud Univ KSU, Riyadh 11451, Saudi Arabia			
112	A robust anomaly detection method using a constant false alarm rate approach	AsSadhan, B (AsSadhan, Basil)[1,2] AlShaalan, R (AlShaalan, Rayan)[3] Diab, DM (Diab, Diab Mahmoud)[4] Alzoghaiby, A (Alzoghaiby, Abraham)[5] Alshebeili, S (Alshebeili, Saleh)[1,6] Al-Muhtadi, J (Al-Muhtadi, Jalal)[2,4] Bin-Abbas, H (Bin-Abbas, Hesham)[5] Abd El-Samie, FE (Abd El-Samie, Fathi E.)[7]	[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Ctr Excellence Informat Assurance CoEIA, Riyadh, Saudi Arabia [3] Commun & Informat Technol Commiss, Riyadh, Saudi Arabia [4] King Saud Univ, Dept Comp Sci, Riyadh, Saudi Arabia [5] King Abdulaziz City Sci & Technol, Riyadh, Saudi Arabia [6] King Saud Univ, ICACST TIC RF & Photon C Soc RFTONICS, Riyadh, Saudi Arabia [7] Menoufia Univ, Dept Elect & Elect Commun Engn, Menoufia, Egypt	Multimedia Tools and Applications	May 2020	2.313 Q-2

Mechanical Engineering Department

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	A Simplified Numerical Approach to Examine the Sensitivity of Two-Electrode Capacitance Sensor Orientation to Capture Different Gas-Liquid Flow Patterns in a Small Circular Pipe	Al-Alweet, FM (Al-Alweet, Fayez M.)[1,2] Jaworski, AJ (Jaworski, Artur J.)[3] Alghamdi, YA (Alghamdi, Yusif A.)[4,5] Almutairi, Z (Almutairi, Zeyad)[4,6] Kollataj, J (Kollataj, Jerzy)[7]	[1] King Abdulaziz City Sci & Technol, Natl Ctr Oil & Gas Technol, POB 6086, Riyadh 11442, Saudi Arabia [2] King Abdulaziz City Sci & Technol, Natl Ctr Corros Technol, POB 6086, Riyadh 11442, Saudi Arabia [3] Univ Huddersfield, Sch Comp & Engn, Huddersfield HD1 3DH, W Yorkshire, England [4] King Saud Univ, Sustainable Energy Technol Ctr SET [5] King Saud Univ, Deanship Sci Res DSR [6] King Saud Univ, Mech Engn Dept [7] Bialystok Tech Univ, Dept Elect Engn, Wiejska 45D, PL-15351 Bialystok, Poland	Sensors	Sep 2020	3.275 Q-2
2	An experimental investigation of a solar-driven desalination system based on multi-effect membrane distillation	Najib, A (Najib, A.)[1] Orfi, J (Orfi, J.)[1] Alansary, H (Alansary, H.)[1] Ali, E (Ali, E.)[2] Abdulwahed, Z (Abdulwahed, Z.)[3] Alzahrani, S (Alzahrani, S.)[2] Chafidz, A (Chafidz, A.)[4]	[1] King Saud Univ, Mech Engn Dept, Riyadh, Saudi Arabia [2] King Saud Univ, Chem Engn Dept, Riyadh, Saudi Arabia [3] King Saud Univ, Sustainable Energy Ctr Technol, Riyadh, Saudi Arabia [4] Univ Islam Indonesia, Chem Engn Dept, Yogyakarta, Indonesia	Desalination and Water Treatment	Sep 2020	0.854 Q-4

3	Methodology for Assessment of Alternative Waste Treatment Strategies Using Entropy Weights	Kaneesamkandi, Z (Kaneesamkandi, Zakariya)[1] Rehman, AU (Rehman, Ateekh Ur)[2] Usmani, YS (Usmani, Yusuf Siraj)[2] Umer, U (Umer, Usama)[3]	[1] King Saud Univ, Dept Mech Engn, Coll Engn [2] King Saud Univ, Dept Ind Engn, Coll Engn [3] King Saud Univ, Adv Mfg Inst	Sustainability	Aug 2020	2.576 Q-2
4	Effect of processing parameters on the microstructure and mechanical properties of Co-Cr-Mo alloy fabricated by selective laser melting	AlMangour, B (AlMangour, Bandar)[1] Luqman, M (Luqman, Monis)[2] Grzesiak, D (Grzesiak, Dariusz)[3] Al-Harbi, H (Al-Harbi, Hamad)[2] Ijaz, F (Ijaz, Farzik)[2]	[1] Saudi Arabia Basic Ind Corp, POB 11669, Jubail Ind City 31961, Saudi Arabia [2] King Saud Univ, Dept Mech Engn [3] West Pomeranian Univ Technol, Dept Mech Engn & Mechatron, Szczecin, Poland	Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing	Aug 2020	4.652 Q-1
5	Noninvasive Method to Measure Thermal Energy Flow Rate in a Pipe	Mohammed A. Alanazi [1] Thomas E. Diller [2]	[1] Department of Mechanical Engineering, College of Engineering, King Saud University (KSU), Saudi Arabia [2] Department of Mechanical Engineering, College of Engineering, Goodwin 332-Heat Transfer Measurements Lab, Virginia Tech 635 Prices Fork Road, Blacksburg, VA 24061	Journal of Thermal Science and Engineering Applications	Nov 2020	1.544 Q-3
6	Influence of Chloride Ions on Electrochemical Corrosion Behavior of Dual-Phase Steel over Conventional Rebar in Pore Solution	Abdo, HS (Abdo, Hany S.)[1,2] Seikh, AH (Seikh, Asiful H.)[1] Mohammed, JA (Mohammed, Jabair A.)[1] Luqman, M (Luqman,	[1] King Saud Univ, Ctr Excellence Res Engn Mat [2] King Saud Univ, Coll Engn, Mech Engn Dept	Applied Sciences-Basel	Jul 2020	2.474 Q-2

		Monis)[2] Ragab, SA (Ragab, Sameh A.)[1] Almotairy, SM (Almotairy, Saud M.)[1]				
7	Experimental investigation of the performance of a shell-and-tube particle-to-air heat exchanger	Alaqel, S (Alaqel, Shaker)[1] El-Leathy, A (El-Leathy, Abdelrahman)[1,2] Al-Ansary, H (Al-Ansary, Hany)[1,4] Djajadiwinata, E (Djajadiwinata, Eldwin)[1] Saleh, N (Saleh, Nader)[1] Danish, S (Danish, Syed)[3,4] Saeed, R (Saeed, Rageh)[1] Alswaiyd, A (Alswaiyd, Abdulelah)[1] Al-Suhaibani, Z (Al-Suhaibani, Zeyad)[1,4] Jeter, S (Jeter, Sheldon)[5] Al-Balawi, A (Al-Balawi, Ahmed)[6] Al-Harhi, F (Al-Harhi, Fahad)[6]	[1] King Saud Univ, Mech Engn Dept [2] Helwan Univ, Fac Engn, Mech Power Engn Dept, Cairo 11718, Egypt [3] King Saud Univ, Sustainable Energy Technol Ctr [4] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia [5] Georgia Inst Technol, Sch Mech Engn, 771 Ferst Dr, Atlanta, GA 30332 USA [6] Saudi Elect Co, R&D Dept, POB 22955, Riyadh 11416, Saudi Arabia	Solar Energy	Jul 2020	4.608 Q-2
8	Superior Mechanical Performance of Inductively Sintered Al/SiC Nanocomposites Processed by Novel Milling Route	Almotairy, SM (Almotairy, Saud M.)[1] Alharhi, NH (Alharhi, Nabeel H.)[1,2]	[1] King Saud Univ, Ctr Excellence Res Engn Mat CEREM [2] King Saud Univ, Dept Mech Engn	Scientific Reports	Jun 2020	3.998 Q-1

		Alharbi, HF (Alharbi, Hamad F.)[1,2] Abdo, HS (Abdo, Hany S.)[1]				
9	Superelastic Behavior of Biomedical Metallic Alloys	Ijaz, MF (Ijaz, M. F.)[1,2] Heraud, L (Heraud, L.)[1,3] Castany, P (Castany, P.)[1] Thibon, I (Thibon, I)[1] Gloriant, T (Gloriant, T.)[1]	[1] Univ Rennes, INSA Rennes, CNRS, ISCR, UMR 6226, F-35000 Rennes, France [2] King Saud Univ, Mech Engr Dept [3] Arts & Metiers MSMP Lab, F-13617 Aix En Provence, France	Metallurgical And Materials Transactions A-Physical Metallurgy And Materials Science	Jun 2020	2.05 Q-2
10	Nickel hydroxide nanoparticles and their hybrids with carbon nanotubes for electrochemical energy storage applications	Shakir, I (Shakir, Imran)[1] Almutairi, Z (Almutairi, Zeyad)[1,2,3] Shar, SS (Shar, Sahar Saad)[1,4] Nafady, A (Nafady, Ayman)[5]	[1] King Saud Univ, Sustainable Energy Technol Ctr, Coll Sci [2] King Saud Univ, Coll Engr, Mech Engr Dept [3] KA CARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia [4] King Saud Univ, Sci Res, Coll Sci [5] King Saud Univ, Chem Dept, Coll Sci	Results in Physics	Jun 2020	4.019 Q-1
11	Sustainable and Smart Manufacturing: An Integrated Approach	Abubakr, M (Abubakr, Mohamed)[1] Abbas, AT (Abbas, Adel T.)[2] Tomaz, I (Tomaz, Italo)[3] Soliman, MS (Soliman, Mahmoud S.)[2] Luqman, M (Luqman, Monis)[2] Hegab, H (Hegab, Hussien)[1]	[1] Cairo Univ, Mech Design & Prod Engr Dept, Giza 12613, Egypt [2] King Saud Univ, Dept Mech Engr, Coll Engr [3] Inst Fed Iuminense, Lab Ensaios Mat, BR-28909971 Cabo Frio, Brazil	Sustainability	Mar 2020	2.576 Q-2
12	Assessment of 2H-SiC based intercalation compound for use as	Majid, A (Majid, Abdul)[1] Fatima, SA (Fatima, Syeda	[1] Univ Gujrat, Dept Phys, Gujrat 50700, Pakistan	Ceramics International	Mar 2020	3.83 Q-1

	anode in lithium ion batteries	Afrinish)[1] Khan, SUD (Khan, Salah Ud-Din)[2] Almutairi, ZA (Almutairi, Zeyad Ammar)[2,3,4]	[2] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr [3] King Saud Univ, Coll Engn, Mech Engn Dept [4] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia			
13	On the Assessment of Surface Quality and Productivity Aspects in Precision Hard Turning of AISI 4340 Steel Alloy: Relative Performance of Wiper vs. Conventional Inserts	Alam, MA (Alam, Mohammad Asif)[1] Samad, UA (Samad, Ubair Abdus)[1] Sherif, EM (Sherif, El-Sayed M.)[1,2] Poulose, AM (Poulose, Anesh Manjaly)[3] Mohammed, JA (Mohammed, Jabair Ali)[1] Alharthi, N (Alharthi, Nabeel)[1,4] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[3]	[1] King Saud Univ, CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Chem Engn Dept, SABIC Polymer Res Ctr SPRC [4] King Saud Univ, Mech Engn Dept	Coatings	Feb 2020	2.436 Q-2
14	Energetic and exergetic performance analysis of a solar driven power, desalination and cooling poly-generation system	Kerme, ED (Kerme, Esa Dube)[1] Orfi, J (Orfi, Jamel)[2] Fung, AS (Fung, Alan S.)[1] Salilih, EM (Salilih, Elias M.)[3] Khan, SUD (Khan, Salah Ud-Din)[4] Alshehri, H (Alshehri,	[1] Ryerson Univ, Dept Mech & Ind Engn, Toronto, ON M5B 2K3, Canada [2] King Saud Univ, Coll Engn, Dept Mech Engn [3] Jigjiga Univ, Dept Mech Engn, POB 1020, Jigjiga, Ethiopia [4] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr [5] King Saud Univ, Coll Engn, Dept	Energy	Apr 2020	6.082 Q-1

		Hassan)[2] Ali, E (Ali, Emad)[5] Alrasheed, M (Alrasheed, Mohammed)[2]	Chem Engn			
15	Effect of heat exchanger design on seasonal performance of heat pump systems	Ishaque, S (Ishaque, Shehryar)[1,2] Siddiqui, MIH (Siddiqui, Md Irfanul Haque)[3] Kim, MH (Kim, Man-Hoe)[1,2]	[1] Kyungpook Natl Univ, Sch Mech Engn, Daegu 41566, South Korea [2] Kyungpook Natl Univ, IEDT, Daegu 41566, South Korea [3] King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Heat and Mass Transfer	Apr 2020	4.947 Q-1
16	New equations for Nusselt number and friction factor of the annulus side of the conically coiled tubes in tube heat exchangers	Ali, M (Ali, Mohamed)[1] Rad, MM (Rad, Milad Mansouri)[2] Nuhait, A (Nuhait, Abdullah)[1] Almuzaiqer, R (Almuzaiqer, Redhwan)[1] Alimoradi, A (Alimoradi, Ashkan)[3] Tlili, I (Tlili, Iskander)[4,5]	[1] King Saud Univ, Coll Engn, Mech Engn Dept [2] Amirkabir Univ Technol, Tehran Polytech, Dept Energy Engn & Phys, Tehran, Iran [3] Kermanshah Univ Med Sci, Sch Paramed, Kermanshah, Iran [4] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [5] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam	Applied Thermal Engineering	Jun 2020	4.275 Q-1
17	Systematic Frequency and Statistical Analysis Approach to Identify Different Gas-Liquid Flow Patterns Using Two Electrodes Capacitance Sensor: Experimental Evaluations	Al-Alweet, FM (Al-Alweet, Fayeze M.)([1,2] Jaworski, AJ (Jaworski, Artur J.)([3] Alghamdi, YA (Alghamdi, Yusif A.)([4,5] Almutairi, Z (Almutairi,	[1] King Abdulaziz City Sci & Technol, Natl Ctr Oil & Gas Technol, POB 6086, Riyadh 11442, Saudi Arabia [2] King Abdulaziz City Sci & Technol, Natl Ctr Corros Technol, POB 6086, Riyadh 11442, Saudi Arabia [3] Univ Huddersfield, Sch Comp & Engn, Huddersfield HD1 3DH, W	Energies	Jun 2020	2.702 Q-3

		Zeyad)[4,6] Kollataj, J (Kollataj, Jerzy)[7]	Yorkshire, England [4] King Saud Univ, Sustainable Energy Technol Ctr SET [5] King Saud Univ, Sci Res DSR [6] King Saud Univ, Dept Mech Engr [7] Bialystok Tech Univ, Dept Elect Engr, Wiejska 45D, PL-15351 Bialystok, Poland			
18	Steam consumption minimization using genetic algorithm optimization method: an industrial case study	Alabdulkarem, A (Alabdulkarem, Abdullah)[1] Rahmanian, N (Rahmanian, Nejat)[2]	[1] King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia [2] Univ Bradford, Dept Chem Engr, Fac Engr & Informat, Bradford, W Yorkshire, England	Energy Sources Part A-Recovery Utilization and Environmental Effects	May 2020	1.184 Q-3
19	Investigations of surface quality and energy consumption associated with costs and material removal rate during face milling of AISI 1045 steel	Pimenov, DY (Pimenov, Danil Yu)[1] Abbas, AT (Abbas, Adel Taha)[2] Gupta, MK (Gupta, Munish Kumar)[3] Erdakov, IN (Erdakov, Ivan N.)[4] Soliman, MS (Soliman, Mahmoud Sayed)[2] El Rayes, MM (El Rayes, Magdy Mostafa)[2]	[1] South Ural State Univ, Dept Automated Mech Engr, Lenin Prosp 76, Chelyabinsk 454080, Russia [2] King Saud Univ, Coll Engr, Dept Mech Engr [3] Shandong Univ, Sch Mech Engr, Key Lab High Efficiency & Clean Mech Manufacture, Minist Educ, Jinan, Peoples R China [4] South Ural State Univ, Foundry Dept, Lenin Prosp 76, Chelyabinsk 454080, Russia	International Journal Of Advanced Manufacturing Technology	Apr 2020	1.723 Q-2
20	Innovative semitransparent photo-thermoelectric cells based on bismuth antimony telluride alloy	Karimov, KS (Karimov, Kh. S.)[1,2] Fatima, N (Fatima, N.)[3] Qasuria, TA (Qasuria, T. A.)[1]	[1] Ghulam Ishaq Khan Inst Engr Sci & Technol, Topi 23640, Kpk, Pakistan [2] Acad Sci, Ctr Innovat Dev Sci & Technol, Rudaki Ave 33, Dushanbe	Journal of Alloys and Compounds	Mar 2020	4.65 Q-1

		Siddiqui, KJ (Siddiqui, K. J.)[1] Bashir, MM (Bashir, M. M.)[1] Alharbi, HF (Alharbi, H. F.)[4] Alharth, NH (Alharth, N. H.)[5] Al-Harthi, YS (Al-Harthi, Y. S.)[6] Amin, N (Amin, N.)[7] Akhtaruzzaman, M (Akhtaruzzaman, Md)[3,8]	734025, Tajikistan [3] Natl Univ Malaysia, Solar Energy Res Inst, Bangi 43600, Selangor, Malaysia [4] King Saud Univ, Coll Engn, Dept Mech Engn [5] King Saud Univ, Ctr Excellence Res Engrg Mat [6] King Saud Univ, Elect Engn Dept [7] Natl Energy Univ, Univ Tenaga Nas, Inst Sustainable Energy, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia [8] UKM, FKAB, INTEGRA, Bangi 43600, Selangor, Malaysia			
21	WC-Co and WC-Co-Cr Coatings for the Protection of API Pipeline Steel from Corrosion in 4% NaCl Solution	Sherif, EM (Sherif, El-Sayed M.)[1,2] El Rayes, MM (El Rayes, Magdy M.)[3] Abdo, HS (Abdo, Hany S.)[1]	[1] King Saud Univ, CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Coll Engn, Dept Mech Engn	Coatings	Mar 2020	2.436 Q-2
22	Hot-pressed graphene nanoplatelets or/and zirconia reinforced hybrid alumina nanocomposites with improved toughness and mechanical characteristics	IftikharAhmad [a] MohammadIslam [a] NuhaAl Habis [a] ShahidParvez [b]	[a] Center of Excellence for Research in Engineering Materials, Deanship of Scientific Research, King Saud University, [b] Mechanical Engineering Department, College of Engineering, King Saud University,	Journal of Materials Science & Technology	Mar 2020	6.155 Q-1
23	Thermal Analyses of Loose Agave, Wheat Straw Fibers and Agave/Wheat Straw as New Hybrid Thermal Insulating Materials for	Ali, M (Ali, Mohamed)[1] Alabdulkarem, A (Alabdulkarem, Abdullah)[1]	[1] King Saud Univ, Coll Engn, Mech Engrg Dept	Journal of Natural Fibers	Feb 2020	2.622 Q-1

	Buildings	Nuhait, A (Nuhait, Abdullah)[1] Al-Salem, K (Al-Salem, Khaled)[1] Almuzaiqer, R (Almuzaiqer, Redhwan)[1] Bayaquob, O (Bayaquob, Omer)[1] Salah, H (Salah, Hilmi)[1] Alsaggaf, A (Alsaggaf, Ahmed)[1] Algafri, Z (Algafri, Zain)[1]				
24	Beneficial Effects of Vanadium Additions on the Corrosion of Ti6AlxV Alloys in Chloride Solutions	Sherif, ESM (Sherif, El-Sayed M.)[1,2] Abdo, HS (Abdo, Hany S.)[1,3] Alharthi, NH (Alharthi, Nabeel H.)[1,4]	[1] King Saud Univ, CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] Aswan Univ, Fac Energy Engrn, Mech Design & Mat Dept, Aswan 81521, Egypt [4] King Saud Univ, Mech Engrn Dept	Metals	Feb 2020	2.117 Q-1
25	Organosoluble starch derivative as quasi-solid electrolytes in DSSC: Unravelling the synergy between electrolyte rheology and photovoltaic properties	Selvanathan, V (Selvanathan, Vidhya)[1] Yahya, R (Yahya, Rosiyah)[3] Alharbi, HF (Alharbi, Hamad F.)[4] Alharthi, NH (Alharthi, Nabeel H.)[5] Alharthi, YS (Alharthi, Yahya S.)[6] Ruslan, MH (Ruslan, Mohd	[1] UKM, SERI, Bangi 43600, Selangor Darul, Malaysia [2] UKM, Ctr Integrated Syst Engrn & Adv Technol Integra, Fac Engrn & Built Environm, Bangi 43600, Selangor, Malaysia [3] Univ Malaya, Dept Chem, Fac Sci, Kuala Lumpur 50603, Malaysia [4] King Saud Univ, Dept Mech Engrn, Coll Engrn [5] King Saud Univ, Ctr Excellence Res	Solar Energy	Feb 2020	4.608 Q-2

		Hafidz)[1] Amin, N (Amin, Nowshad)[7] Akhtaruzzaman, M (Akhtaruzzaman, Md.))[1,2]	Engn Mat [6] King Saud Univ, Dept Elect Engr [7] Natl Energy Univ, Inst Sustainable Energy, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia			
26	Fractographic analysis of the overload effect on fatigue crack growth in 2024-T3 and 7075-T6 Al alloys	Albedah, A (Albedah, A.))[1] Bouiadjra, BB (Bouiadjra, B. Bachir))[1,2] Mohammed, SMAK (Mohammed, S. M. A. K.))[1] Benyahia, F (Benyahia, F.))[1]	[1] King Saud Univ, Dept Mech Engr, Coll Engr [2] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engr, LMPM, BP 89, Cite Ben Mhidi 22000, Sidi Bel Abbes, Algeria	International Journal of Minerals Metallurgy Aad Materials	Jan 2020	1.713 Q-2
27	Ultrasonic spot welding of a clad 7075 aluminum alloy: Strength and fatigue life	Mohammed, SMAK (Mohammed, S. M. A. K.))[1] Jaya, YD (Jaya, Y. D.))[1,2] Albedah, A (Albedah, A.))[3] Jiang, XQ (Jiang, X. Q.))[4] Li, DY (Li, D. Y.))[5] Chen, DL (Chen, D. L.))[1]	[1] Ryerson Univ, Dept Mech & Ind Engr, Toronto, ON M5B 2K3, Canada [2] Natl Inst Technol, Dept Met & Mat Engr, Tiruchirappalli 620015, India [3] King Saud Univ, Coll Engr, Mech Engr Dept [4] Southwest Univ, Sch Mat & Energy, Tiansheng Rd 2, Chongqing 400715, Peoples R China [5] Univ Alberta, Dept Chem & Mat Engr, Edmonton, AB T6G 1H9, Canada	International Journal of Fatigue	Dec 2020	4.369 Q-1
28	Scaling-up medical technologies using flexographic printing	Assaifan, AK (Assaifan, Abdulaziz K.))[1] Al Habis, N (Habis, Nuha Al))[2] Ahmad, I (Ahmad, Iftikhar))[2] Alshehri, NA (Alshehri, Naif Ahmed))[3] Alharbi, HF (Alharbi, Hamad	[1] King Saud Univ, Mech Engr Dept, Riyadh, Saudi Arabia [2] King Saud Univ, Ctr Excellence Res Engr Mat, Riyadh, Saudi Arabia [3] Albaha Univ, Coll Sci, Phys Dept, Albaha, Saudi Arabia	Talanta	Nov 2020	5.339 Q-1

		F.)[1,2]				
29	Integration of multi effect evaporation and membrane distillation desalination processes for enhanced performance and recovery ratios	Ali, E (Ali, Emad)[1] Orfi, J (Orfi, Jamel)[2,4] AlAnsary, H (AlAnsary, Hany)[2,4] Lee, JG (Lee, Jung-Gil)[3] Alpatova, A (Alpatova, Alla)[3] Ghaffour, N (Ghaffour, Noreddine)[3]	[1] King Saud Univ, Dept Chem Engr [2] King Saud Univ, Dept Mech Engr [3] King Abdullah Univ Sci & Technol KAUST, Water Desalination & Reuse Ctr WDRC, Biol & Environm Sci & Engr Div BESE, Thuwal 239556900, Saudi Arabia [4] KA CARE Energy Res & Innovat Ctr, Riyadh, Saudi Arabia	Desalination	Nov 2020	7.098 Q-1
30	Multi-effect distillation brine treatment by membrane distillation: Effect of antiscalant and antifoaming agents on membrane performance and scaling control	Elcik, H (Elcik, Harun)[1] Fortunato, L (Fortunato, Luca)[1] Alpatova, A (Alpatova, Alla)[1] Soukane, S (Soukane, Sofiane)[1] Orfi, J (Orfi, Jamel)[2,3] Ali, E (Ali, Emad)[4] AlAnsary, H (AlAnsary, Hany)[2,3] Leiknes, T (Leiknes, TorOve)[1] Ghaffour, N (Ghaffour, Noreddine)[1]	[1] King Abdullah Univ Sci & Technol KAUST, Water Desalination & Reuse Ctr WDRC, Biol & Environm Sci & Engr Div BESE, Thuwal 239556900, Saudi Arabia [2] King Saud Univ, Mech Engr Dept [3] KA CARE Energy Res & Innovat Ctr, Riyadh, Saudi Arabia [4] King Saud Univ, Chem Engr Dept	Desalination	Nov 2020	7.098 Q-1
31	Evaluation of some amino benzoic acid and 4-aminoantipyrine derived Schiff bases as corrosion inhibitors for mild steel in acidic medium: Synthesis, experimental and computational studies	Okey, NC (Okey, Nnamdi C.)[1] Obasi, NL (Obasi, Nnamdi L.)[1] Ejikeme, PM (Ejikeme, Paul	[1] Univ Nigeria, Dept Pure & Ind Chem, Nsukka 410001, Nigeria [2] Caritas Univ, Amorji Nike Emene, Enugu, Nigeria [3] Univ Johannesburg, Dept Chem Sci, Doornfontein Campus, ZA-2028	Journal of Molecular Liquids	Oct 2020	4.065 Q-1

		M.)[1,2] Ndinteh, DT (Ndinteh, Derek T.))[3] Ramasami, P (Ramasami, Ponnadurai))[3,4] Sherif, ESM (Sherif, El-Sayed M.)[5,6] Akpan, ED (Akpan, Ekemini D.))[7] Ebenso, EE (Ebenso, Eno E.))[7,8]	Johannesburg, South Africa [4] Univ Mauritius, Fac Sci, Dept Chem, Computat Chem Grp, Reduit 80837, Mauritius [5] King Saud Univ, Coll Engn, Mech Engr Dept [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Buhouth St, Cairo 12622, Egypt [7] North West Univ, Mat Sci Innovat & Modelling MaSIM Res Focus Area, Fac Nat & Agr Sci, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [8] Univ South Africa, Coll Sci Engr & Technol, Dept Chem, ZA-1710 Florida, Roodepoort, South Africa			
32	Thermal and acoustic characteristics of novel thermal insulating materials made of Eucalyptus Globulus leaves and wheat straw fibers	Ali, M (Ali, M.)[1] Alabdulkarem, A (Alabdulkarem, A.)[1] Nuhait, A (Nuhait, A.)[1] Al-Salem, K (Al-Salem, K.)[1] Iannace, G (Iannace, G.))[2] Almuzaiqer, R (Almuzaiqer, R.)[1] Al-turki, A (Al-turki, A.)[1] Al-Ajlan, F (Al-Ajlan, F.)[1] Al-Mosabi, Y (Al-Mosabi, Y.)[1]	[1] King Saud Univ, Coll Engn, Mech Engr Dept [2] Univ Campania Luigi Vanvitelli, Dept Architecture & Ind Design, I-81031 Aversa, Italy	Journal of Building Engineering	Nov 2020	3.379 Q-1

		Al-Sulaimi, A (Al-Sulaimi, A.)[1]				
33	Understanding the dynamic behavior and the effect of feeding policies of a direct contact membrane distillation for water desalination	Ali, E (Ali, Emad)[1] Orfi, J (Orfi, Jamel)[2] Najib, A (Najib, Abdullah)[2] Hamdaoui, O (Hamdaoui, Oualid)[1]	[1] King Saud Univ, Chem Engn Dept [2] King Saud Univ, Mech Engn Dept, Riyadh, Saudi Arabia	Chemical Engineering Communications	Sep 2020	1.803 Q-3
34	Molybdate incorporated poly(acrylic acid) electrolytes for use in quasi-solid state carbon based supercapacitors: Redox-active polychelates	Shar, SS (Shar, Sahar Saad)[1,2] Cevik, E (Cevik, Emre)[3] Bozkurt, A (Bozkurt, Ayhan)[4] Yaman, C (Yaman, Cevat)[5] Almutari, Z (Almutari, Zeyad)[1,6] Kayed, TS (Kayed, Tarek S.)[7]	[1] King Saud Univ, Sustainable Energy Technol Ctr [2] King Saud Univ, Deanship Sci Res [3] Imam Abdulrahman Bin Faisal Univ, IRMC, Dept Genet Res, POB 1982, Dammam 31441, Saudi Arabia [4] Imam Abdulrahman Bin Faisal Univ, IRMC, Dept Biophys, 1982, POB 1982, Dammam 31441, Saudi Arabia [5] Imam Abdulrahman Bin Faisal Univ, Coll Engn A13, Environm Engn Dept, Main Campus, Dammam 1982, Saudi Arabia [6] King Saud Univ, Mech Engn Dept [7] Imam Abdulrahman Bin Faisal Univ, Coll Engn, Basic Engn Sci Dept, Dammam, Saudi Arabia	Electrochimica Acta	Sep 2020	6.215 Q-1
35	SPEEK/ZnO Nanocomposite Modified Gold Electrode for Electrochemical Detection of Dopamine	Fayemi, OE (Fayemi, Omolola E.)[1,2] Baskar, R (Baskar, R.)[2,3] Adekunle, AS (Adekunle, Abolanle S.)[4]	[1] North West Univ, Fac Nat & Agr Sci, Sch Phys & Chem Sci, Dept Chem, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [2] North West Univ, Fac Nat & Agr Sci, Mat Sci Innovat & Modelling MaSIM Res	Electroanalysis	Sep 2020	2.544 Q-2

		Sherif, EM (Sherif, El-Sayed M.)[5,6] Ebenso, EE (Ebenso, Eno E.)[1,2,7]	Focus Area, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [3] Indian Inst Technol, Dept Chem, Chennai 600036, Tamil Nadu, India [4] Obafemi Awolowo Univ, Dept Chem, PMB 220005, Ife, Nigeria [5] King Saud Univ, Coll Engn, Mech Engr Dept [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Buhouth St, Cairo 12622, Egypt [7] Univ South Africa, Coll Sci Engr & Technol, Dept Chem, ZA-1710 Florida, Roodepoort, South Africa			
36	Correlation between laser spectroscopic studies and mechanical characterization of zirconia-based multiwall carbon nanotube ceramic composites	Almutairi, Z (Almutairi, Zeyad)[1,2,3] Ahmad, K (Ahmad, Kaleem)[2,3] Al-Gawati, MA (Al-Gawati, Mahmoud A.)[4,5] AlHazaa, A (AlHazaa, Abdulaziz)[4,5]	[1] King Saud Univ, Mech Engr Dept [2] King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia [3] Energy Res & Innovat Ctr Riyadh, KACARE, Riyadh, Saudi Arabia [4] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia [5] King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh, Saudi Arabia	Applied Physics A-Materials Science & Processing	May 2020	1.81 Q-3
37	Experimental measures on solar still applying internal cooling coil for optimum productivity under Riyadh Province ambient conditions	Alshahrani, A (Alshahrani, Ali)[1] Alabdulkarem, A (Alabdulkarem, Abdullah)[2] Ali, MES (Ali, Mohamed El-	[1] King Abdulaziz City Sci & Technol, Space & Aeronaut Res Inst, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Desalination and Water Treatment	May 2020	0.854 Q-4

		Sayed)[2]				
38	Influence of Extrusion Temperature on the Corrosion Behavior in Sodium Chloride Solution of Solid State Recycled Aluminum Alloy 6061 Chips	Alharthi, NH (Alharthi, Nabeel H.)[1] Sherif, EM (Sherif, El-Sayed M.)[2,3] Taha, MA (Taha, Mohamed A.)[4] Abbas, AT (Abbas, Adel T.)[1] Abdo, HS (Abdo, Hany S.)[2] Alharbi, HF (Alharbi, Hamad F.)[1]	[1] King Saud Univ, Coll Engn, Dept Mech Engn [2] King Saud Univ, Ctr Excellence Res Engn Mat [3] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [4] Zagazig Univ, Fac Engn, Dept Mech Design & Prod, Zagazig 44519, Egypt	Crystals	May 2020	2.404 Q-2
39	Regulating Mechanical Properties of Al/SiC by Utilizing Different Ball Milling Speeds	Almotairy, SM (Almotairy, Saud M.)[1] Alharthi, NH (Alharthi, Nabeel H.)[2] Abdo, HS (Abdo, Hany S.)[1]	[1] King Saud Univ, Ctr Excellence Res Engn Mat [2] King Saud Univ, Coll Engn, Dept Mech Engn	Crystals	Apr 2020	2.404 Q-2
40	Cr3C2-NiCr Coating for the Protection of API Steel Corrosion in Concentrated Sodium Chloride Solution	Sherif, ESM (Sherif, El-Sayed M.)[1,2] El Rayes, MM (El Rayes, Magdy M.)[3] Abdo, HS (Abdo, Hany S.)[1]	[1] King Saud Univ, Ctr Excellence Res Engn Mat CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Dept Mech Engn, Coll Engn	Crystals	Apr 2020	2.404 Q-2
41	Splash suppression during wafer wet cleaning through drop penetration across metal meshes and porous fiber mats	Park, CW (Park, Chan-Woo)[1] Kim, TG (Kim, Tae-Gun)[1] Kim, MW (Kim, Min-Woo)[1] Aldalbahi, A (Aldalbahi, Ali)[2] El-Newehy, M (El-Newehy,	[1] Korea Univ, Sch Mech Engn, Seoul 24801, South Korea [2] King Saud Univ, Dept Chem, Coll Sci, Riyadh 11451, Saudi Arabia	Journal of Visualization	Apr 2020	0.926 Q-4

		Mohamed)[2] Yoon, SS (Yoon, Sam S.))[1]				
42	Development of low concentrated solar photovoltaic system with lead acid battery as storage device	Khan, SUD (Khan, Salah Ud-Din)[1,2] Almutairi, ZA (Almutairi, Zeyad Ammar)[1,2,3,4] Al-Zaid, OS (Al-Zaid, Omer Salah)[1] Khan, SUD (Khan, Shahab Ud-Din)[5]	[1] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr [2] KACARE Energy Res & Innovat Ctr Riyadh, Riyadh, Saudi Arabia [3] King Saud Univ, Coll Engn, Mech Engn Dept [4] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia [5] Pakistan Atom Energy Commiss, Natl Tokamak Fus Program, Islamabad, Pakistan	Current Applied Physics	Apr 2020	2.281 Q-3
43	Developing and validating a dynamic model of water production by direct-contact membrane distillation	Ali, E (Ali, Emad)[1] Orfi, J (Orfi, Jamel)[2] Najib, A (Najib, Abdullah)[2]	[1] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	Plos One	Mar 2020	2.74 Q-2
44	Electrospun Bilayer PAN/Chitosan Nanofiber Membranes Incorporated with Metal Oxide Nanoparticles for Heavy Metal Ion Adsorption	Alharbi, HE (Alharbi, Hamad E.))[1] Haddad, MY (Haddad, Mustafa Y.))[1,2] Aijaz, MO (Aijaz, Muhammed Omer)[3] Assaifan, AK (Assaifan, Abdulaziz K.))[1] Karim, MR (Karim, Mohammed R.))[3]	[1] King Saud Univ, Mech Engn Dept [2] KACST, Natl Ctr Adv Mat Technol, POB 6086, Riyadh 11442, Saudi Arabia [3] King Saud Univ, Ctr Excellence Res Engn Mat	Coatings	Mar 2020	2.436 Q-2
45	A Comparative Study of the Electrochemical Behavior of alpha and beta Phase Ti6Al4V Alloy in	Luqman, M (Luqman, Monis))[1]	[1] King Saud Univ, Coll Engn, Mech Engn Dept	Crystals	Mar 2020	2.404 Q-2

	Ringer's Solution	Seikh, AH (Seikh, Asiful H.)[2] Sarkar, A (Sarkar, Amit)[3] Ragab, SA (Ragab, Sameh A.)[2] Mohammed, JA (Mohammed, Jabair A.)[2] Ijaz, MF (Ijaz, Muhammad Farzik)[1] Abdo, HS (Abdo, Hany S.)[2]	[2] King Saud Univ, Ctr Excellence Res Engn Mat [3] Jadavpur Univ, Dept Met & Mat Engr, Kolkata 700032, India			
46	WS2: A New Window Layer Material for Solar Cell Application	Bin Rafiq, MKS (Bin Rafiq, Md Khan Sobayel)[1] Amin, N (Amin, N.)[2,3] Alharbi, HF (Alharbi, Hamad F.)[4] Luqman, M (Luqman, Monis)[4] Ayob, A (Ayob, Afida)[2] Alharthi, YS (Alharthi, Yahya S.)[5] Alharthi, NH (Alharthi, Nabeel H.)[5] Bais, B (Bais, Badariah)[2] Akhtaruzzaman, M (Akhtaruzzaman, Md)[1,2]	[1] Natl Univ Malaysia, Solar Energy Res Inst, Bangi 43600, Malaysia [2] Natl Univ Malaysia, Fac Engr & Built Environm, Dept Elect, Bangi 43600, Selangor, Malaysia [3] Univ Tenaga Nas, Inst Sustainable Energy, Natl Energy Univ, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia [4] King Saud Univ, Mech Engr Dept [5] King Saud Univ, Ctr Excellence Res Engr Mat	Scientific Reports	Jan 2020	3.998 Q-1
47	Testing and simulation of potential energy savings in renewing used split-type and window-type air-conditioners	Alabdulkarem, A (Alabdulkarem, Abdullah)[1] Almutairi, Z (Almutairi, Zeyad)[1]	[1] King Saud Univ, Dept Mech Engr	Building Services Engineering Research & Technology	Sep 2020	1.4 Q-3

48	Comparative Evaluation of Surface Quality, Tool Wear, and Specific Cutting Energy for Wiper and Conventional Carbide Inserts in Hard Turning of AISI 4340 Alloy Steel	Abbas, AT (Abbas, Adel T.)[1] Anwar, S (Anwar, Saqib)[2] Hegab, H (Hegab, Hussien)[3] Benyahia, F (Benyahia, Faycal)[1] Ali, H (Ali, Hazem)[4] Elkaseer, A (Elkaseer, Ahmed)[5,6]	[1] King Saud Univ, Coll Engn, Dept Mech Engn [2] King Saud Univ, Coll Engn, Dept Ind Engn [3] Cairo Univ, Mech Design & Prod Engn Dept, Giza 12613, Egypt [4] European Xray Free Electron Laser Facil GmbH, D-22869 Schenefeld, Germany [5] Port Said Univ, Fac Engn, Dept Prod Engn & Mech Design, Port Fuad 42526, Egypt [6] Karlsruhe Inst Technol, Inst Automat & Appl Informat, D-76344 Karlsruhe, Germany	Materials	Nov 2020	3.057 Q-2
49	An Adaptive Design for Cost, Quality and Productivity-Oriented Sustainable Machining of Stainless Steel 316	Abbas, AT (Abbas, Adel T.)[1] Abubakr, M (Abubakr, Mohamed)[2] Hassan, MA (Hassan, Muhammed A.)[3] Luqman, M (Luqman, Monis)[1] Soliman, MS (Soliman, Mahmoud S.)[1] Hegab, H (Hegab, Hussien)[2]	[1] King Saud Univ, Coll Engn, Mech Engn Dept [2] Cairo Univ, Fac Engn, Mech Design & Prod Engn Dept, Giza 12613, Egypt [3] Cairo Univ, Fac Engn, Mech Power Engn Dept, Giza 12613, Egypt	Journal of Materials Research and Technology-Jmr&T	Nov 2020	5.289 Q-1
50	Towards an adaptive design of quality, productivity and economic aspects when machining AISI 4340 steel with wiper inserts	Abbas, AT (Abbas, Adel Taha)[1] Abubakr, M (Abubakr, Mohamed)[2] Elkaseer, A (Elkaseer,	[1] King Saud Univ, Dept Mech Engn, Coll Engn [2] Cairo Univ, Dept Mech Design & Prod Engn, Fac Engn, Giza 12613, Egypt [3] Port Said Univ, Dept Prod Engn &	IEEE Access	2020	3.745 Q-1

		Ahmed)[3,4] El Rayes, MM (Rayes, Magdy M. El)[1] Mohammed, ML (Mohammed, Monis Luqman)[1] Hegab, H (Hegab, Hussien)[2]	Mech Design, Port Fuad 42526, Egypt [4] Karlsruhe Inst Technol, Inst Automat & Appl Informat, D-76344 Karlsruhe, Germany			
51		Abbas, AT (Abbas, Adel T.)[1] El Rayes, MM (El Rayes, Magdy M.)[1] Luqman, M (Luqman, Monis)[1] Naeim, N (Naeim, Noha)[2] Hegab, H (Hegab, Hussien)[3] Elkaseer, A (Elkaseer, Ahmed)[2,4]	[1] King Saud Univ, Mech Engr Dept, Coll Engr [2] Port Said Univ, Dept Prod Engr & Mech Design, Port Fuad 42526, Egypt [3] Cairo Univ, Mech Design & Prod Engr Dept, Giza 12613, Egypt [4] Karlsruhe Inst Technol, Inst Automat & Appl Informat, D-76344 Karlsruhe, Germany	Materials	May 2020	3.057 Q-2
52	Multi-Response Optimization i n Hi-ghSpee dMachining of -Ti6Al-4V Using TOPSIS-Fuzzy Integrat ed Approach	Abbas, AT (Abbas, Adel T.)[1] Sharma, N (Sharma, Neeraj)[2] Anwar, S (Anwar, Saqib)[3] Luqman, M (Luqman, Monis)[1] Tomaz, I (Tomaz, Italo)[4] Hegab, H (Hegab, Hussien)[5]	[1] King Saud Univ, Engr Coll, Mech Engr Dept [2] Maharishi Markandeshwar Deemed Be Univ, Dept Mech Engr, Ambala 133207, Haryana, India [3] King Saud Univ, Engr Coll, Ind Engr Dept [4] Fluminense Fed Inst, Lab Mat Testing LEMat, Cabo Frio Buzios S-N, BR-28909971 Cabo Frio, RJ, Brazil [5] Cairo Univ, Mech Design & Prod Engr Dept, Giza 12613, Egypt	Materials	Mar 2020	3.057 Q-2
53	Preliminary Design of an All-Ceramic Discrete-Structure Particle	Peters, G (Peters, George)[1]	[1] Georgia Inst Technol, George W Woodruff Sch Mech Engr, Atlanta, GA	Journal of Energy	May 2020	3.183

	Heating Receiver	Golob, M (Golob, Matthew)[1] Nguyen, C (Nguyen, Clayton)[1] Jeter, S (Jeter, Sheldon)[1] Danish, S (Danish, Syed)[2] Elleathy, A (Elleathy, Abdelrahman)[2] Al-Ansary, H (Al-Ansary, Hany)[2]	30332 USA [2] King Saud Univ, Dept Mech Engr	Resources Technology-Transactions of the Asme		Q-3
54	Performance of p-Toluenesulfonic Acid–Based Deep Eutectic Solvent in Denitrogenation: Computational Screening and Experimental Validation	Kamarudin, AF (Kamarudin, Ainul F.)[1,2] Hizaddin, HE (Hizaddin, Hane E.)[1,2] El-blidi, L (El-blidi, Lahssen)[3] Ali, E (Ali, Emad)[3] Hashim, MA (Hashim, Mohd A.)[1,2] Hadj-Kali, MK (Hadj-Kali, Mohamed K.)[3]	[1] Univ Malaya, Univ Malaya Ctr Ion Liquids UMCiL, Kuala Lumpur 50603, Malaysia [2] Univ Malaya, Fac Engr, Dept Chem Engr, Kuala Lumpur 50603, Malaysia [3] King Saud Univ, Chem Engr Dept	Molecules	Nov 2020	3.267 Q-2
55	Effects of Mg Content on the Microstructural and Mechanical Properties of Al-4Cu-xMg-0.3Ag Alloys	Alshammari, TT (Alshammari, Talal T.)[1,2] Alharbi, HF (Alharbi, Hamad F.)[1,3] Soliman, MS (Soliman, Mahmoud S.)[1] Ijaz, MF (Ijaz, Muhammad F.)[1]	[1] King Saud Univ, Mech Engr Dept [2] Jubail Ind Coll, Mech Engr Dept, POB 10099, Jubail Ind City 31962, Saudi Arabia [3] King Saud Univ, Ctr Excellence Res Engr Mat	Crystals	Oct 2020	2.404 Q-2
56	Brownian motion and thermophoretic diffusion influence	Abdelmalek, Z (Abdelmalek,	[1] Duy Tan Univ, Inst Res & Dev, Da	Journal of Materials	Sep 2020	5.289

	on thermophysical aspects of electrically conducting viscoelastic nanofluid flow over a stretched surface	Zahra)[1,2] Hussain, A (Hussain, Arif)[3] Bilal, S (Bilal, S.))[4] Sherif, EM (Sherif, El-Sayed M.)[5,6] Thounthong, P (Thounthong, Phatiphat)[7]	Nang 550000, Vietnam [2] Duy Tan Univ, Fac Med, Da Nang 550000, Vietnam [3] Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan [4] AIR Univ, Dept Math, Sect E-9,PAF Complex, Islamabad 44000, Pakistan [5] King Saud Univ, Dept Mech Engn, Coll Engn [6] Natl Res Ctr, Electrochem & Corros Lab, Dept Phys Chem, El Buhouth St Dokki, Cairo 12622, Egypt [7] King Mongkuts Univ Technol North Bangkok, Renewable Energy Res Ctr RERC, 1518 Pracharat 1 Rd, Bangkok 10800, Thailand	Research and Technology-Jmr&T		Q-1
57	MHD Radiative Blood Flow Embracing Gold Particles via a Slippery Sheet through an Erratic Heat Sink/Source	Khan, U (Khan, Umair)[1] Shafiq, A (Shafiq, Anum)[2] Zaib, A (Zaib, Aurang)[3,4] Sherif, ESM (Sherif, El-Sayed M.)[5,6] Baleanu, D (Baleanu, Dumitru)[7,8,9]	[1] Sukkur IBA Univ, Dept Math & Social Sci, Sukkur 65200, Sindh, Pakistan [2] Nanjing Univ Informat Sci & Technol, Sch Math & Stat, Nanjing 210044, Peoples R China [3] Begum Nusrat Bhutto Women Univ, Dept Nat Sci, Sukkur 65170, Pakistan [4] Fed Urdu Univ Arts Sci & Technol, Dept Math Sci, Gulshan E Iqbal Karachi 75300, Pakistan [5] King Saud Univ, Coll Engn, Mech Engn Dept [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Buhouth	Mathematics	Sep 2020	1.747 Q-1

			St, Cairo 12622, Egypt [7] Cankaya Univ, Dept Math, TR-06790 Ankara, Turkey			
58	Cr3C2-NiCr Coating for the Protection of API Steel Corrosion in Concentrated Sodium Chloride Solution,	Sherif, ESM (Sherif, El-Sayed M.)[1,2] El Rayes, MM (El Rayes, Magdy M.)[3] Abdo, HS (Abdo, Hany S.)[1]	[1] King Saud Univ, Ctr Excellence Res Engrn Mat CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Dept Mech Engrn, Coll Engrn	Crystals	Apr 2020	2.404 Q-2
59	WC-Co and WC-Co-Cr Coatings for the Protection of API Pipeline Steel from Corrosion in 4% NaCl Solution,	Sherif, EM (Sherif, El-Sayed M.)[1,2] El Rayes, MM (El Rayes, Magdy M.)[3] Abdo, HS (Abdo, Hany S.)[1]	[1] King Saud Univ, CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Coll Engrn, Dept Mech Engrn	Coatings	Mar 2020	2.436 Q-2
60	Electrospun Bilayer PAN/Chitosan Nanofiber Membranes Incorporated with Metal Oxide Nanoparticles for Heavy Metal Ion Adsorption.	Alharbi, HE (Alharbi, Hamad E.)[1] Haddad, MY (Haddad, Mustafa Y.)[1,2] Aijaz, MO (Aijaz, Muhammed Omer)[3] Assaifan, AK (Assaifan, Abdulaziz K.)[1] Karim, MR (Karim, Mohammed R.)[3]	[1] King Saud Univ, Mech Engrn Dept [2] KACST, Natl Ctr Adv Mat Technol, POB 6086, Riyadh 11442, Saudi Arabia [3] King Saud Univ, Ctr Excellence Res Engrn Mat	Coatings	Mar 2020	2.436 Q-2
61	Fabrication of Ni-Co-Based Heterometallo-Supramolecular Polymer Films and the Study of Electron Transfer Kinetics for the	Islam, T (Islam, Tamanna)[1] Hasan, MM (Hasan, Md. Mahedi)[1]	[1] Jagannath Univ, Dept Chem, Dhaka 1100, Bangladesh [2] King Saud Univ, Mech Engrn Dept,	ACS applied Polymer Materials	Feb 2020	Newly Added in List of ISI

	Nonenzymatic Electrochemical Detection of Nitrite	Akter, SS (Akter, Sayeda Sima)[1] Alharthi, NH (Alharthi, Nabeel H.)[2] Karim, MR (Karim, Mohammad R.)[3,4] Aziz, MA (Aziz, Md. Abdul)[5] Hossain, MD (Hossain, Md. Delwar)[1] ; Ahammad, AJS (Ahammad, A. J. Saleh)[1]	Coll Engn [3] King Saud Univ, Ctr Excellence Res Engrn Mat [4] KA CARE Energy Res & Innovat Ctr, Riyadh 11451, Saudi Arabia [5] King Fahd Univ Petr & Minerals, Ctr Res Excellence Nanotechnol, Dhahran 31261, Saudi Arabia			Journals Q-4
62	Hollow Reticular Shaped Highly Ordered Rice Husk Carbon for the Simultaneous Determination of Dopamine and Uric Acid.	Haque, MA (Haque, Md Aminul)[1] Hasan, MM (Hasan, Md Mahedi)[1] Islam, T (Islam, Tamanna)[1] Razzak, MA (Razzak, Md Abdur)[1] Alharthi, NH (Alharthi, Nabeel H.)[2] Sindan, A (Sindan, Abdullah)[3] KarimR, MR (KarimR, Mohammad R.)[4,5] Basha, SI (Basha, Shaik Inayath)[6,7] Aziz, MA (Aziz, Md Abdul)[6] Ahammad, AJS (Ahammad, A. J. Saleh)[1]	[1] Jagannath Univ, Dept Chem, Dhaka 1100, Bangladesh [2] King Saud Univ, Coll Engn, Mech Engrn Dept [3] King Saud Univ, Coll Engn, Chem Engrn Dept [4] King Saud Univ, Ctr Excellence Res Engrn Mat [5] KACARE Energy Res & Innovat Ctr, Riyadh 11451, Saudi Arabia [6] King Fahd Univ Petr & Minerals, Ctr Res Excellence Nanotechnol, Dhahran 31261, Saudi Arabia [7] King Fahd Univ Petr & Minerals, Dept Civil & Environm Engrn, Dhahran 31261, Saudi Arabia	Electroanalysis	May 2020	2.544 Q-2
63	All-Carbon Hybrid Mobil eI on Capacitors Enabled by 3D Laser-	Zhang, F (Zhang, Fan)[1]	[1] King Abdullah Univ Sci & Technol, Phys Sci & Engrn Div, Mat Sci & Engrn,	Energy Technology	Jun 2020	2.404

		Debalay)[2] Seikh, AH (Seikh, Asiful H.)[3] Abdo, HS (Abdo, Hany S.)[4] Luqman, M (Luqman, Monis)[5] Ghosh, M (Ghosh, Manojit)[1]	[4] Aswan Univ, Fac Energy Engn, Mech Design & Mat Dept, Aswan 81521, Egypt [5] King Saud Univ, Dept Mech Engn			
66	Dusty flow with different water based nanoparticles along a paraboloid revolution: thermal analysis	Reddy, MG (Reddy, M. Gnaneswara)[1] Seikh, AH (Seikh, Asiful H.)[2] Sudharani, MVNL (Sudharani, M. V. V. N. L. L.)[1] Rahimi-Gorji, M (Rahimi-Gorji, Mohammad)[3] Alharthi, N (Alharthi, Nabeel)[4]	[1] Acharya Nagarjuna Univ, Dept Math, Ongole Campus, Ongole 523001, India [2] King Saud Univ, Ctr Excellence Res Engn Mat, Riyadh, Saudi Arabia [3] Univ Ghent, Fac Med & Hlth Sci, B-9000 Ghent, Belgium [4] King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh, Saudi Arabia	Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems	Mar 2020	1.737 Q-3
67	Phase transformation and dispersoid evolution for Al-Zn-Mg-Cu alloy containing Sn during homogenisation	Ghosh, A (Ghosh, Abhishek)[1] Ghosh, M (Ghosh, Manojit)[1] Seikh, AH (Seikh, Asiful H.)[2] Alharthi, NH (Alharthi, Nabeel H.)[3]	[1] Indian Inst Engn Sci & Technol, Dept Met & Mat Engn, Howrah 711103, India [2] King Saud Univ, Ctr Excellence Res Engn Mat [3] King Saud Univ, Coll Engn, Mech Engn Dept	Journal of Materials Research and Technology-Jmr&T	Jan 2020	5.289 Q-1
68	Computational Approach to Understanding the Electrocatalytic Reaction Mechanism for the Process of electrochemical Oxidation of Nitrite at a Ni-Co-Based Heterometallo-Supramolecular Polymer	Hasan, MM (Hasan, Md Mahedi)[1] Islam, T (Islam, Tamanna)[1] Akter, SS (Akter, Sayeda Sima)[1] Alharthi, NH (Alharthi, Nabeel H.)[2]	[1] Jagannath Univ, Dept Chem, Dhaka 1100, Bangladesh [2] King Saud Univ, Coll Engn, Mech Engn Dept [3] King Saud Univ, Ctr Excellence Res Engn Mat [4] KACARE Energy Res & Innovat Ctr,	ACS Omega	Jun 2020	2.87 Q-2

		Karim, MR (Karim, Mohammad R.)[3,4] Aziz, MA (Aziz, Md Abdul)[5] Awal, A (Awal, Abdul)[1] Hossain, MD (Hossain, Md Delwar)[1] Ahammad, AJS (Ahammad, A. J. Saleh)[1]	Riyadh 11451, Saudi Arabia [5] King Fahd Univ Petr & Minerals, Ctr Res Excellence Nanotechnol, Dhahran 31261, Saudi Arabia			
69	Facile and efficient 3-chlorophenol sensor development based on photoluminescent core-shell CdSe/ZnS quantum dots	Rahman, MM (Rahman, Mohammed M.)[1,2] Karim, MR (Karim, Mohammad Rezaul)[3,4] Alam, MM (Alam, M. M.)[5] Zaman, MB (Zaman, M. Badruz)[6] Alharthi, N (Alharthi, Nabeel)[7] Alharbi, H (Alharbi, Hamad)[7] Asiri, AM (Asiri, Abdullah M.)[1,2]	[1] King Abdulaziz Univ, Fac Sci, Ctr Excellence Adv Mat Res CEAMR, Jeddah 21589, Saudi Arabia [2] King Abdulaziz Univ, Fac Sci, Chem Dept, Jeddah 21589, Saudi Arabia [3] King Saud Univ, Deanship Sci Res DSR, Ctr Excellence Res Engrn Mat CEREM [4] KA CARE Energy Res & Innovat Ctr [5] Shahjalal Univ Sci & Technol, Dept Chem Engrn & Polymer Sci, Sylhet 3100, Bangladesh [6] Qual Engrn Test Estab, Dept Natl Def, Gatineau, PQ J8X 1C6, Canada [7] King Saud Univ, Coll Engrn, Mech Engrn Dept	Scientific Reports	Jan 2020	3.998 Q-1
70	Evaluation of some amino benzoic acid and 4-aminoantipyrine derived Schiff bases as corrosion inhibitors for mild steel in acidic medium: Synthesis, experimental and computational studies	Okey, NC (Okey, Nnamdi C.)[1] Obasi, NL (Obasi, Nnamdi L.)[1] Ejikeme, PM (Ejikeme, Paul	[1] Univ Nigeria, Dept Pure & Ind Chem, Nsukka 410001, Nigeria [2] Caritas Univ, Amorji Nike Emene, Enugu, Nigeria [3] Univ Johannesburg, Dept Chem Sci, Doornfontein Campus, ZA-2028	Journal of Molecular Liquids	Oct 2020	5.065 Q-1

		M.)[1,2] Ndinteh, DT (Ndinteh, Derek T.))[3] Ramasami, P (Ramasami, Ponnadurai)[3,4] Sherif, ESM (Sherif, El-Sayed M.)[5,6] Akpan, ED (Akpan, Ekemini D.))[7] ; Ebenso, EE (Ebenso, Eno E.))[7,8]	Johannesburg, South Africa [4] Univ Mauritius, Fac Sci, Dept Chem, Computat Chem Grp, Reduit 80837, Mauritius [5] King Saud Univ, Coll Engn, Mech Engr Dept [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Buhouth St, Cairo 12622, Egypt [7] North West Univ, Mat Sci Innovat & Modelling MaSIM Res Focus Area, Fac Nat & Agr Sci, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [8] Univ South Africa, Coll Sci Engr & Technol, Dept Chem, ZA-1710 Florida, Roodepoort, South Africa			
71	Analysis of Transport and Mixing Phenomenon to Invariant Manifolds Using LCS and KAM Theory Approach in Unsteady Dynamical Systems	Ahmad, R (Ahmad, Riaz)[1] Farooqi, A (Farooqi, Asma)[1] Zhang, JZ (Zhang, Jiazhong)[1] Khan, I (Khan, Ilyas)[2] Sherif, ESM (Sherif, El-Sayed M.)[3,4]	[1] Xi An Jiao Tong Univ, Sch Energy & Power Engr, Xian 710049, Peoples R China [2] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh 72915, Vietnam [3] King Saud Univ, Coll Engn, Mech Engr Dept [4] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, Cairo 12622, Egypt	IEEE Access	2020	3.745 Q-1

Civil Engineering Department
&
Bugshan Research Chair in Expansive Soils
Center of Excellence for Concrete Research & Testing
MMB Chair for Research & Studies in Strengthening & Rehabilitation of Structures

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	Assessment of Plate-End Debonding Design Provisions for RC Beams Strengthened with FRP	Al-Saawani, MA (Al-Saawani, Mohammed A.)[1] El-Sayed, AK (El-Sayed, Ahmed K.)[1] Al-Negheimish, AI (Al-Negheimish, Abdulaziz, I)[1]	[1] ,King Saud Uni,v Coll Engn Dept Civil R ,Engni,yadh Saudi Arabia	Latin American Journal of Solids and Structures	JAN 2020	1.256 Q-3
2	Electro-chemical investigation for the effect of rebar source and surface condition on the corrosion rate of reinforced concrete structures under varying corrosive environments	Alhozaimy, A (Alhozaimy, Abdulrahman)[1] Hussain, RR (Hussain, Raja Rizwan)[1] Al-Negheimish, A (Al-Negheimish, Abdulaziz)[1]	[1] ,King Saud Uni,v Coll Engn Civil Engn Dept, CoE CRT	Construction and Building Materials	May 2020	4.419 Q1
3	Corrosion characteristics of vanadium micro-alloyed steel reinforcement bars exposed in concrete environments and industrially polluted atmosphere	Hussain, RR (Hussain, Raja Rizwan)[1] Al-Negheimish, A (Al-Negheimish, Abdulaziz)[2,3] Alhozaimy, A (Alhozaimy, Abdulrahman)[4] Singh, DDN (Singh, D. D. N.)[5]	[1] ,King Saud Uni,v Coll Engn & Ctr Excellence Concrete Res Testing CoE CRT, Civil Engn Dept, Riyadh, Saudi Arabia [2] ,King Saud Uni,v Coll Engn Civil Engn Dept, Riyadh, Saudi Arabia [3] ,King Saud Uni,v Coll Engn & Ctr Excellence Concrete Res TestiR ,ngi,yadh Saudi Arabia [4] ,King Saud UniC ,voll Engn & Ctr Excellence Concrete Res	Cement & Concrete Composites	October 2020	6.257 Q1

			,TestiC ,ngivil Engn Dept, Riyadh Saudi Arabia [5] ,Corro s& Surface Engn CSIR ,Natl Met Lab, Jamshedpur, Bihar India			
4	Effect of shear-span/depth ratio on debonding failures of FRP-strengthened RC beams	Al-Saawani, MA (Al-Saawani, Mohammed A.)[1] El-Sayed, AK (El-Sayed, Ahmed K.)[1] Al-Negheimish, AI (Al-Negheimish, Abdulaziz, I)[1]	[1] King Saud Uni,v Ctr & Excellence Concrete Res TestiD ,ngept Civil Engn	Journal of Building Engineering	November 2020	3.379 Q1
5	Investigation of Shear Reinforcement Schemes for RC Deep Beams	Abadel, AA (Abadel, Aref A.)[1] Albidah, AS (Albidah, Abdulrahman S.)[1]	[1] King Saud Uni,v Dept Civil C ,Engnoll Engn	Arabian Journal For Science And Engineering	DEC 2020	1.711 Q3
6	Mechanical properties of EAFS concrete after subjected to elevated temperature	Yousef R. Alharbi [a] Aref A. Abadel [a] Nourhan Elsayed [b] Ola Mayhoub [b] Mohamed Kohail [b]	[a] Department of Civil Engineering, College of Engineering, King Saud University, Riyadh, Saudi Arabia [b] Structural Engineering Department, Faculty of Engineering, Ain Shams University, Egypt	Ain Shams Engineering Journal	November 2020	1.949 Q2
7	Engineering properties of alkali activated materials reactive powder concrete	Alharbi, YR (Alharbi, Yousef R.)[1] Abadel, AA (Abadel, Aref A.)[1] Salah, AA (Salah, Abdulrahman A.)[1] Mayhoub, OA (Mayhoub, Ola A.)[2]	[1] Department of Civil EngineeriC ,ngollege of EngineeriK ,nging Saud ,University, Riyadh, KSA [2] Structural Engineering Department, Faculty of Engineering, Ain Shams University, Egypt	Construction and Building Materials	November 2020	4.419 Q1

		Kohail, M(Kohail, Mohamed)[2]				
8	Bond behavior between concrete and steel rebars for stressed elements	Yousef R.Alharbi [a] MahmoudGalal [b] Aref A.Abadel [a] Mohamed Kohail [b]	[a] Department of Civil Engineering, College of Engineering, King Saud University, [b] Structural Engineering Department, Faculty of Engineering, Ain Shams University, Egypt	Ain Shams Engineering Journal	November 2020	1.949 Q2
9	The effect of coarse aggregate characteristics on the shear behavior of reinforced concrete slender beams	Alqarni, AS (Alqarni, Ali S.)[1] Albidah, AS (Albidah, Abdulrahman S.)[1] Alaskar, AM (Alaskar, Abdulaziz M.)[1] Abadel, AA (Abadel, Aref A.)[1]	[1] ,King Saud UniC ,voll Engn Dept Civil Engr	Construction and Building Materials	DEC 20 2020	4.419 Q1
10	Experimental and analytical investigation of fiber alignment on fracture properties of concrete	Abadel, A (Abadel, Aref)[1] Abbas, H (Abbas, Husain)[1] Alrshoudi, F (Alrshoudi, Fahed)[1] Altheeb, A (Altheeb, Ali)[1] Albidah, A (Albidah, Abdulrahman)[1] Almusallam, T (Almusallam, Tarek)[1]	[1] ,King Saud Uni,v Coll Engr & Dept Civil C ,Engnhair Res Studies Strengtheni ng& Rehabil Struc	Structures	DEC 2020	1.839 Q2
11	Bond performance of GFRP and steel rebars embedded in metakaolin based geopolymer concrete	Abdulrahman Albidah [1] Ali Altheeb [1] Fahed Alrshoudi [1] Aref Abadel [1] Husain Abbas [1]	[1] Department of Civil Engineering, College of Engineering, King Saud University,	Structures	Aug 2020	1.839 Q2

		Yousef Al-Salloum [1]				
12	Bond strength between concrete substrate and metakaolin geopolymer repair mortars at ambient and elevated temperatures	Albidah, A (Albidah, Abdulrahman)[1] Abadel, A (Abadel, Aref)[1] Alrshoudi, F (Alrshoudi, Fahed)[1] Altheeb, A (Altheeb, Ali)[1] Abbas, H (Abbas, Husain)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] & King Saud Univ, Chair Res Studies Strengthening & Rehabil Struc, Dept Civil EnC, Jnoll Engn	Journal of Materials Research and Technology- Jmr&T	SEP-OCT 2020	5.289 Q1
13	Enhancement of Clay-Sand Liners Using Crushed Limestone Powder for Better Fluid Control	Alnuaim, A (Alnuaim, Ahmed)[1] Dafalla, M (Dafalla, Muawia)[2] Al-Mahbashi, A (Al-Mahbashi, Ahmed)[2]	[1] King Saud Univ, Civil Engn [2] King Saud Univ, Civil Engn, Bugshan Res Chair Expans Soils	Arabian Journal for Science and Engineering	Jan 2020	1.711 Q-3
14	Desorption of Heavy Metals from Lime-Stabilized Arid-Soils using Different Extractants	Moghal, AAB (Moghal, Arif Ali Baig)[1] Mohammed, SA (Mohammed, Syed Abu Sayeed)[2] Almajed, A (Almajed, Abdullah)[3] Al-Shamrani, MA (Al-Shamrani, Mosleh Ali)[4]	[1] NIT, Dept Civil Engn, Geotech Div, Warangal 506004, Telangana, India [2] HKBK Coll Engn, Dept Civil Engn, Bengaluru 560045, India [3] King Saud Univ, Dept Civil Engn [4] King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils	International Journal of Civil Engineering	Apr 2020	1.446 Q-3
15	Effect of Calcium-Based Derivatives on Consolidation, Strength, and Lime-Leachability Behavior of Expansive Soil	Moghal, AAB (Moghal, Arif Ali Baig)[1] Vydehi, V (Vydehi, Venkata)[1] Moghal, MB (Moghal, Moulali	[1] Natl Inst Technol, Dept Civil Engn, Warangal 506004, Telangana, India [2] AMS Coll Engn, Dept Civil	Journal of Materials in Civil Engineering	Apr 2020	2.196 Q-2

		Baig)[2] Almatrudi, R (Almatrudi, Rayan)[3] AlMajed, A (AlMajed, Abdullah)[3] Al-Shamrani, MA (Al-Shamrani, Mosleh Ali)[4]	Engn, Chennai 600002, Tamil Nadu, India [3] King Saud Univ, Dept Civil Engn, Coll Engn [4] King Saud Univ, Coll Engn, Dept Civil Engn, Expans Soils			
16	Blocking saline fluids using bentonite clay liners: an approach to reduce corrosion	Dafalla, M (Dafalla, Muawia)[1] Almajed, A (Almajed, Abdullah)[2] Al-Shamrani, M (Al-Shamrani, Mosleh)[1]	[1] King Saud Univ, Bugshan Res Chair Expans Soils [2] King Saud Univ, Civil Engn	Desalination and Water Treatment	Apr 2020	0.854 Q-4
17	Predicting Soil-Water Characteristic Curves of Clayey Sand Soils Using Area Computation	Dafalla, MA (Dafalla, M. A.)[1] Al-Mahbashi, AM (Al-Mahbashi, A. M.)[1] Almajed, A (Almajed, A.)[2] Al-Shamrani, M (Al-Shamrani, M.)[1]	[1] King Saud Univ, Civil Engn, Bugshan Res Chair Expans Soils [2] King Saud Univ, Dept Civil Engn, Coll Engn	Mathematical Problems in Engineering	Jun 2020	1.009 Q-3
18	Soil-Water Characteristic Curve and One-Dimensional Deformation Characteristics of Fiber-Reinforced Lime-Blended Expansive Soil	Al-Mahbashi, AM (Al-Mahbashi, Ahmed M.)[1] Al-Shamrani, MA (Al-Shamrani, Mosleh Ali)[1] Moghal, AAB (Moghal, Arif Ali Baig)[2]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils [2] Natl Inst Technol Warangal, Dept Civil Engn, Warangal 506004, Telangana, India	Journal of Materials in Civil Engineering	Jun 2020	2.169 Q-2
19	Compaction delay and its effect on the geotechnical properties of lime treated semi-arid soils	Moghal, AAB (Moghal, Arif Ali Baig)[1] Ashfaq, M (Ashfaq, Mohammed)[1] Al-Obaid, AAKH (Al-Obaid, Ali	[1] Natl Inst Technol, Dept Civil Engn, Warangal, Andhra Pradesh, India [2] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi	Road Materials and Pavement Design	Jul 2020	2.582 Q-2

		Abdul Kareem Hamood)[2] Abbas, MF (Abbas, Mohammad Farid)[3,4] Al-Mahbashi, AM (Al-Mahbashi, Ahmed Mohammed)[2] Shaker, AA (Shaker, Abdullah Ali)[2]	Arabia [3] Prince Sattam bin Abdulaziz Univ, Civil Engn Dept, Alkharj, Saudi Arabia [4] Housing & Bldg Natl Res Ctr, Soil Mech & Geotech & Res Inst, Giza, Egypt			
20	Effect of Heavy Metal Contamination on the Compressibility and Strength Characteristics of Chemically Modified Semiarid Soils	Moghal, AAB (Moghal, Arif Ali Baig)[1] Ashfaq, M (Ashfaq, Mohammed)[1] Al-Shamrani, MA (Al-Shamrani, Mosleh Ali)[2] Al-Mahbashi, A (Al-Mahbashi, Ahmed)[2]	[1] Natl Inst Technol Warangal, Dept Civil Engn, Warangal 506004, Telangana, India [2] King Saud Univ, Dept Civil Engn, Bugshan Res Chair Expans Soils	Journal of Hazardous Toxic and Radioactive Waste	Oct 2020	Newly Added Journal to ISI List Q-4
21	Shear strength characteristics of a sand clay liner	Dafalla, M (Dafalla, Muawia)[1] Shaker, A (Shaker, Abdullah)[1] Elkady, T (Elkady, Tamer)[1] Almajed, A (Almajed, Abdullah)[2] Al-Shamrani, M (Al-Shamrani, Mosleh)[1]	[1] King Saud Univ, Bugshan Res Chair Expans Soils, Civil Engn [2] King Saud Univ, Civil Engn	Scientific Reports	Oct 2020	3.998 Q-1
22	Effect of cement on compressibility and swell of sand-expansive clay mixtures	Shaker, A (Shaker, Abdullah)[1] Dafalla, M (Dafalla, Muawia)[1] Al-Shamrani, M (Al-Shamrani, Mosleh)[1]	[1] King Saud Univ, Civil Engn Dept, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia.	International Journal of Geomate	Nov 2020	Newly Added Journal to ISI List Q-4
23	Exploring of new natural Saudi	El-Sheikhy, R (El-Sheikhy,	[1] King Saud Univ, Civil Engn	Scientific Reports	Dec 2020	3.998

	nanoparticles: investigation and characterization	Refat)[1]	Dept, Bghshan Res Chair Expans Soil, Fac Engn, Riyadh, Saudi Arabia.			Q-1
24	A study on the effect of flooding depths and duration on soil subgrade performance and stability	Ismail, MSN (Ismail, Muhd Shahril Nizam)[1] Ghani, ANA (Ghani, Abdul Naser Abdul)[1] Ghazaly, ZM (Ghazaly, Zuhayr Md)[2] Dafalla, M (Dafalla, Muawia)[3]	[1] Univ Sains Malaysia, Sch Housing Bldg & Planning, George Town, Malaysia [2] Univ Malaysia Perlis, Sch Environm Engn, Kangar, Perlis, Malaysia [3] King Saud Univ, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia	International Journal of Geomate	Jul 2020	Newly Added Journal to ISI Lis Q-4t
25	An integer linear programming model to optimize the hub and spoke-based water desalinated transmission system	Al Gahtani, OS (Al Gahtani, Osama Saad)[1] Mrad, M (Mrad, Mehdi)[2]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Journal of Water Supply Research and Technology-Aqua	Sep 2020	1.319 Q-3
26	Drying shrinkage and creep properties of prepacked aggregate concrete reinforced with waste polypropylene fibers	Alrshoudi, F (Alrshoudi, Fahed)[1] Mohammadhosseini, H (Mohammadhosseini, Hossein)[2] Tahir, MM (Tahir, Mahmood Md)[2] Alyousef, R (Alyousef, Rayed)[3] Alghamdi, H (Alghamdi, Hussam)[1] Alharbi, Y (Alharbi, Yousef)[1] Alsaif, A (Alsaif, Abdulaziz)[1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 12372, Saudi Arabia [2] Univ Teknol Malaysia UTM, Fac Engn, Sch Civil Engn, Inst Smart Infrastruct & Innovat Construct ISIIC, Skudai 81310, Johor, Malaysia [3] Prince Sattam Bin Abdulaziz Univ, Coll Engn, Dept Civil Engn, Alkharj 11942, Saudi Arabia	Journal of Building Engineering	Nov 2020	3.379 Q-1
27	Sustainable Use of Waste	Alrshoudi, F (Alrshoudi,	[1] King Saud Univ, Dept Civil	Sustainability	Jun 2020	2.576

	Polypropylene Fibers and Palm Oil Fuel Ash in the Production of Novel Prepacked Aggregate Fiber-Reinforced Concrete	Fahed)[1] Mohammadhosseini, H (Mohammadhosseini, Hossein)[2] Tahir, MM (Tahir, Mahmood Md.))[2] Alyousef, R (Alyousef, Rayed)[3] Alghamdi, H (Alghamdi, Hussam)[1] Alharbi, YR (Alharbi, Yousef R.))[1] Alsaif, A (Alsaif, Abdulaziz)[1]	Engn, Coll Engn, Riyadh 12372, Saudi Arabia [2] Univ Teknol Malaysia UTM, Inst Smart Infrastruct & Innovat Construct ISIIC, Sch Civil Engn, Fac Engn, Skudai 81310, Johor, Malaysia [3] Prince Sattam bin Abdulaziz Univ, Dept Civil Engn, Coll Engn, Alkharj 11942, Saudi Arabia			Q-2
28	Performance evaluation of novel prepacked aggregate concrete reinforced with waste polypropylene fibers at elevated temperatures	Mohammadhosseini, H (Mohammadhosseini, Hossein)[1] Alrshoudi, F (Alrshoudi, Fahed)[2] Tahir, MM (Tahir, Mahmood Md)[1] Alyousef, R (Alyousef, Rayed)[3] Alghamdi, H (Alghamdi, Hussam)[2] Alharbi, YR (Alharbi, Yousef R.))[2] Alsaif, A (Alsaif, Abdulaziz)[2]	[1] Univ Teknol Malaysia UTM, Fac Engn, Sch Civil Engn, Inst Smart Infrastruct & Innovat Construct ISIIC, Skudai 81310, Malaysia [2] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 12372, Saudi Arabia [3] Prince Sattam Bin Abdulaziz Univ, Coll Engn, Dept Civil Engn, Alkharj 11942, Saudi Arabia	Construction and Building Materials	Oct 2020	4.419 Q-1
29	Durability and thermal properties of prepacked aggregate concrete reinforced with waste polypropylene fibers	Mohammadhosseini, H (Mohammadhosseini, Hossein)[1] Alrshoudi, F (Alrshoudi, Fahed)[2] Tahir, MM (Tahir, Mahmood	[1] Univ Teknol Malaysia UTM, Fac Engn, Sch Civil Engn, Inst Smart Infrastruct & Innovat Construct ISIIC, Skudai 81310, Johor, Malaysia [2] King Saud Univ, Coll Engn,	Journal of Building Engineering	Nov 2020	3.379 Q-1

		Md)[1] Alyousef, R (Alyousef, Rayed)[3] Alghamdi, H (Alghamdi, Hussam)[2] Alharbi, YR (Alharbi, Yousef R.)[2] Alsaif, A (Alsaif, Abdulaziz)[2]	Dept Civil Engr, Riyadh 12372, Saudi Arabia [3] Prince Sattam bin Abdulaziz Univ, Coll Engr, Dept Civil Engr, Alkharj 11942, Saudi Arabia			
30	Conductive material engineered direct interspecies electron transfer (DIET) in anaerobic digestion: Mechanism and application	Gahlot, P (Gahlot, Pallavi)[1] Ahmed, B (Ahmed, Banafsha)[1] Tiwari, SB (Tiwari, Satya Brat)[1] Aryal, N (Aryal, Nabin)[2] Khursheed, A (Khursheed, Anwar)[3] Kazmi, AA (Kazmi, A. A.)[1] Tyagi, VK (Tyagi, Vinay Kumar)[1]	[1] Indian Inst Technol Roorkee, Dept Civil Engr, Roorkee 247667, Uttar Pradesh, India [2] Aarhus Univ, Biol & Chem Engr, Hangovej 2, DK-8200 Aarhus N, Denmark [3] KSU, Dept Civil Engr, Coll Engr	Environmental Technology & Innovation	Nov 2020	3.356 Q-2
31	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance	Kumar, M (Kumar, Manish)[1] Mazumder, P (Mazumder, Payal)[2] Mohapatra, S (Mohapatra, Sanjeeb)[3] Thakur, AK (Thakur, Alok Kumar)[1] Dhangar, K (Dhangar, Kiran)[1] Taki, K (Taki, Kaling)[4] Mukherjee, S (Mukherjee,	[1] Indian Inst Technol Gandhinagar, Discipline Earth Sci, Room 336A,Block 5, Gandhinagar 382355, Gujarat, India [2] Indian Inst Technol Guwahati, Ctr Environm, Gauhati 781039, Assam, India [3] Indian Inst Technol, Environmnetal Sci & Engr Dept, Mumbai 400076, Maharashtra, India [4] Indian Inst Technol	Journal of Hazardous Materials	Mar 2021 (Available online 6 October 2020).	9.038 Q-1

		Santanu)[1] Patel, AK (Patel, Arbind Kumar)[1] Bhattacharya, P (Bhattacharya, Prosun)[5] Mohapatra, P (Mohapatra, Pranab)[4] Rinklebe, J (Rinklebe, Joerg)[6,7] Kitajima, M (Kitajima, Masaaki)[8] Hai, FI (Hai, Faisal I.)[9] Khursheed, A (Khursheed, Anwar)[10] Furumai, H (Furumai, Hiroaki)[11] Sonne, C (Sonne, Christian)[12] Kuroda, K (Kuroda, Keisuke)[13]	Gandhinagar, Discipline Civil Engn, Gandhinagar 382355, Gujarat, India [5] KTH Royal Inst Technol, Dept Sustainable Dev Environm Sci & Engn, Tekn Ringen 10B, SE-10044 Stockholm, Sweden [6] Univ Wuppertal, Sch Architecture & Civil Engn, Lab Soil & Groundwater Management, D-42285 Wuppertal, Germany [7] Univ Sejong, Dept Environm Energy & Geoinformat, Seoul, South Korea [8] Hokkaido Univ, Div Environm Engn, Sapporo, Hokkaido 0608628, Japan [9] Univ Wollongong, Sch Civil Min & Environm Engn, Wollongong Strateg Water Infrastruct Lab, Wollongong, NSW 2522, Australia [10] King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia [11] Univ Tokyo, Grad Sch Engn, Res Ctr Water Environm Technol, Tokyo 1138656, Japan [12] Aarhus Univ, Dept Biosci, Frederiksborgvej 399, POB 358, DK-4000 Roskilde, Denmark [13] Toyama Prefectural Univ, Dept Environm & Civil Engn,			
--	--	---	--	--	--	--

			Toyama 9390398, Japan			
32	Mitigating wind erosion of sand using biopolymer-assisted EICP technique	Almajed, A (Almajed, Abdullah)[1] Lemboye, K (Lemboye, Kehinde)[1] Arab, MG (Arab, Mohamed G.)(2] Alnuaim, A (Alnuaim, Ahmed)[1]	[1] King Saud Univ KSU, Dept Civil Engn [2] Univ Sharjah, Coll Engn, Dept Civil & Environm Engn, POB 27272 Sharjah, Sharjah, U Arab Emirates	Soils and Foundations	Apr 2020	1.756 Q-3
33	Numerical Study of Skin Friction Behavior of Piles in Limestone Rock	Alnuaim, AM (Alnuaim, A. M.)(1] Hamid, WM (Hamid, W. M.)(1] Alshenawy, AO (Alshenawy, A. O.)(1]	[1] King Saud Univ, Dept Civil Engn, Coll Engn, Riyadh, Saudi Arabia	Soil Mechanics and Foundation Engineering	Aug 2020	0.5 Q-4
34	Monotonic and Cyclic Behavior of Salt-Encrusted Flat (Sabkha) Soil	Alnuaim, A (Alnuaim, Ahmed)[1] Alsanabani, N (Alsanabani, Naif)[1] Alshenawy, A (Alshenawy, Abdulhafiz)[1]	[1] King Saud Univ, Coll Engn, Civil Engn Dept	International Journal Of Civil Engineering	Sep 2020 (Online)	1.446 Q-3
35	Investigation of different steel intermediate moment frame connections under column-loss scenario	Alrubaidi, M (Alrubaidi, Mohammed)[1] Elsanadedy, H (Elsanadedy, Hussein)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam, Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc	Thin-Walled Structures	Sep 2020	4.033 Q-1

36	Development limitations of compressive arch and catenary actions in reinforced concrete special moment resisting frames under column-loss scenarios	Almusallam, T (Almusallam, Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1] Elsanadedy, H (Elsanadedy, Hussein)[1] Tuan, N (Tuan, Ngo)[2] Mendis, P (Mendis, Priyan)[2] Abbas, H (Abbas, Husain)[1]	[1] King Saud Univ, Dept Civil Engr, Coll Engr, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh, Saudi Arabia [2] Univ Melbourne, Dept Infrastruct Engr, Melbourne, Vic, Australia	Structure and Infrastructure Engineering	Dec 2020	2.62 Q-2
37	Corrosion performance of hot-dip galvanized zinc-aluminum coated steel rebars in comparison to the conventional pure zinc coated rebars in concrete environment	Al-Negheimish, A (Al-Negheimish, Abdulaziz)[1] Hussain, RR (Hussain, Raja Rizwan)[1] Alhozaimy, A (Alhozaimy, Abdulrahman)[1] Singh, DDN (Singh, D. D. N.)(2]	[1] King Saud Univ, Coll Engr, Ctr Excellence Concrete Res & Testing CoE CRT, Civil Engr Dept, Riyadh, Saudi Arabia [2] Corros & Surface Engr CSIR, Natl Met Lab, Jamshedpur, Bihar, India	Construction and Building Materials	Dec 2020 (Online)	4.419 Q-1
38	Fine limestone dust from ornamental stone factories: a potential filler in the production of High-Performance Hybrid Fiber-Reinforced Concrete	Fares, G (Fares, Galal)[1] Albaroud, MH (Albaroud, Mahmoud Hamad)[2] Khan, MI (Khan, M. Iqbal)[3]	[1] King Saud Univ, Coll Engr, Ctr Excellence Concrete Res & Testing [2] King Saud Univ, Coll Engr [3] King Saud Univ, Coll Engr, Ctr Excellence Concrete Res & Testing, Dept Civil Engr	Construction and Building Materials	Nov 2020	4.419 Q-1
39	Effect of molar ratios on strength, microstructure & embodied energy of metakaolin geopolymer	Aref A. Abadel [1] Abdulrahman S. Albidah [1] Ali H. Altheeb [1] Fahed A. Alrshoudi [1] Husain Abbas [1]	[1] King Saud Univ, Coll Engr, Civil Engr Dept	Advances in Concrete Construction	Feb 2021 (First Published online 2020)	2.443 Q-2

		Yousef A. Al-Salloum [1]				
40	Effect of rebar spacing on the behavior of concrete slabs under projectile impact	Abbas, H (Abbas, Husain)[1] Siddiqui, NA (Siddiqui, Nadeem A.)[1] Almusallam, TH (Almusallam, Tarek H.)[1] Abadel, AA (Abadel, Aref A.)[1] Elsanadedy, H (Elsanadedy, Hussein)[1] Al-Salloum, YA (Al-Salloum, Yousef A.)[1]	[1] King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc	Structural Engineering and Mechanics	Feb 2021 (First Published online 2020)	2.984 Q-1
41	Progressive collapse risk of 2D and 3D steel-frame assemblies having shear connections	Albidah, A (Albidah, Abdulrahman)[1] Alghannam, M (Alghannam, Mohammed)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam, Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn	Journal of Materials Research and Technology-Jmr&T	Jan 2021 (Available online 5 December 2020)	5.289 Q-1
42	Hybrid UHPC/NSM CFRP strips vs. traditional systems for flexural upgrading of RC beams – Experimental and FE study	Elsanadedy, H. M. [1] Abbas, H. [1] Almusallam, T. H. [1] Al-Salloum, Y. A. [1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn	Composite Structures	2021 (Available online November 2020)	5.138 Q-1
43	Stabilization of sand using energy efficient materials under normal and extreme hot weathers	Almajed, A (Almajed, Abdullah)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam,	[1] King Saud Univ, Chair Res & Studies Strengthening & Rehabil Struc, Dept Civil Engn, Coll Engn.	Journal of Cleaner Production	Feb 2021 (Available online November	7.246 Q-1

		Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]			2020)	
44	Upgrading of precast RC beam-column joints using innovative FRP/steel hybrid technique for progressive collapse prevention	Elsanadedy, HM (Elsanadedy, Hussein M.)[1] Al-Salloum, YA (Al-Salloum, Yousef A.)[1] Alrubaidi, MA (Alrubaidi, Mohammed A.)[1] Almusallam, TH (Almusallam, Tarek H.)[1] Siddiqui, NA (Siddiqui, Nadeem A.)[1] Abbas, H (Abbas, Husain)[1]	[1] King Saud Univ, Chair Res & Studies Strengthening & Rehabil Struc, Dept Civil Engr, Coll Engr.	Construction and Building Materials	Jan 2021 (Available online October 2020)	4.419 Q-1
45	Finite element analysis for progressive collapse potential of precast concrete beam-to-column connections strengthened with steel plates	Elsanadedy, HM (Elsanadedy, Hussein M.)[1] Al-Salloum, YA (Al-Salloum, Yousef A.)[1] Alrubaidi, MA (Alrubaidi, Mohammed A.)[1] Almusallam, TH (Almusallam, Tarek H.)[1] Abbas, H (Abbas, Husain)[1]	[1] King Saud Univ, Coll Engr, Dept Civil Engr, Chair Res & Studies Strengthening & Rehabil Struc.	Journal of Building Engineering	Feb 2021 (Available online October 2020)	3.379 Q-1
46	Influence of Critical Parameters of Mix Proportions on Properties of MK-Based Geopolymer Concrete	Alghannam, M (Alghannam, Mohammed)[1] Albidah, A (Albidah, Abdulrahman)[1] Abbas, H (Abbas, Husain)[1] Al-Salloum, Y (Al-Salloum,	[1] King Saud Univ, Dept Civil Engr, Chair Res & Studies Strengthening & Rehabil Struc	Arabian Journal for Science and Engineering	Sep 2020	1.711 Q-3

		Yousef)[1]				
47	Mechanical properties of concrete subjected to cyclic thermal loading	Khan, MS (Khan, M. S. S.)(1) Almutairi, S (Almutairi, Saud)(2) Abbas, H (Abbas, H.)(3)	[1] Onaizah Coll, Coll Engn, Dept Civil Engn, Unaizah, Saudi Arabia [2] Qassim Univ, Coll Engn, Dept Civil Engn, Unaizah, Saudi Arabia [3] King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh, Saudi Arabia	European Journal of Environmental and Civil Engineering	Jul 2020	1.832 Q-2
48	Enzyme-Induced Carbonate Precipitation (EICP)-Based methods for ecofriendly stabilization of different types of natural sands	Almajed, A (Almajed, Abdullah)(1) Abbas, H (Abbas, Husain)(1,2) Arab, M (Arab, Mohamed)(3) Alsabhan, A (Alsabhan, Abdullah)(1) Hamid, W (Hamid, Wagdi)(1) Al-Salloum, Y (Al-Salloum, Yousef)(1,2)	[1] King Saud Univ, Dept Civil Engn [2] King Saud Univ, Chair Res & Studies Strengthening & Rehabil Struc, Dept Civil Engn [3] Univ Sharjah, Coll Engn, Dept Civil & Environm Engn, POB 27272, Sharjah, U Arab Emirates	Journal of Cleaner Production	Nov 2020	7.246 Q-1
49	Behavior of novel CFST circular column-to-foundation connections under cyclic loading	Khateeb, BM (Khateeb, Baha M.)(1) Siddiqui, NA (Siddiqui, Nadeem A.)(1) Almusallam, TH (Almusallam, Tarek H.)(1) Abbas, H (Abbas, Husain)(1) Al-Salloum, YA (Al-Salloum, Yousef A.)(1)	[1] King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc	Engineering Structures	Oct 2020	3.548 Q-1
50	Investigation of different steel intermediate moment frame	Alrubaidi, M (Alrubaidi, Mohammed)(1)		Thin-Walled Structures	Sep 2020	4.033

	connections under column-loss scenario	Elsanadedy, H (Elsanadedy, Hussein)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam, Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc			Q-1
51	Compression behavior of FRP-strengthened RC square columns of varying slenderness ratios under eccentric loading	Siddiqui, N (Siddiqui, Nadeem)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam, Tarek)[1] Binyahya, A (Binyahya, Abobaker)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc	Journal of Building Engineering	Nov 2020	3.379 Q-1
52	Strength characteristics and microstructure of hooked-end steel fiber reinforced concrete containing fly ash, bottom ash and their combination	Pal, S (Pal, S.)[1] Shariq, M (Shariq, M.)[2] Abbas, H (Abbas, H.)[3] Pandit, AK (Pandit, A. K.)[4] Masood, A (Masood, A.)[2]	[1] Delhi Technol Univ, Dept Civil Engn, New Delhi, India [2] Aligarh Muslim Univ, Zakir Husain Coll Engn & Technol, Dept Civil Engn, Aligarh, Uttar Pradesh, India [3] King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh, Saudi Arabia [4] Gautam Buddha Univ, Dept Civil Engn, Greater Noida, India	Construction and Building Materials	Jun 2020	4.419 Q-1
53	Lifecycle cost optimization of pipeline projects	Al-Khomairi, A (Al-Khomairi, Abdulrahman)[1]	[1] King Saud Univ, Civil Engn Dept, Coll Engn, Riyadh, Saudi	Journal of Water Supply Research	Nov 2020	1.319

		Jung, BS (Jung, BongSeog)[2] Elsebaie, I (Elsebaie, Ibrahim)[1]	Arabia [2] HydraTek & Associates, Vaughan, ON, Canada	and Technology- Aqua		Q-3
54	Deep Transfer Learning for Vulnerable Road Users Detection using Smartphone Sensors Data	Elhenawy, M (Elhenawy, Mohammed)[1] Ashqar, HI (Ashqar, Huthaifa I.)[2] Masoud, M (Masoud, Mahmoud)[1] Almannaa, MH (Almannaa, Mohammed H.)[3] Rakotonirainy, A (Rakotonirainy, Andry)[1] Rakha, HA (Rakha, Hesham A.)[4]	[1] Queensland Univ Technol, Ctr Accid Res & Rd Safety, Brisbane, Qld 4059, Australia [2] Booz Allen Hamilton, Washington, DC 20003 USA [3] King Saud Univ, Coll Engn, Dept Civil Engn, POB 2454, Riyadh 11451, Saudi Arabia [4] Virginia Tech, Dept Civil & Environm Engn, Blacksburg, VA 24061 USA	Remote Sensing	Nov 2020	4.509 Q-2
55	A comparative analysis of e-scooter and e-bike usage patterns: Findings from the City of Austin, TX	Almannaa, MH (Almannaa, Mohammed Hamad)[1] Ashqar, HI (Ashqar, Huthaifa, I)[2] Elhenawy, M (Elhenawy, Mohammed)[3] Masoud, M (Masoud, Mahmoud)[4] Rakotonirainy, A (Rakotonirainy, Andry)[3] Rakha, H (Rakha, Hesham)[5]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia [2] Booz Allen Hamilton, Washington, DC 20003 USA [3] Queensland Univ Technol, Ctr Accid Res & Rd Safety, Brisbane, Qld, Australia [4] Queensland Univ Technol, Sch Math Sci, Brisbane, Qld, Australia [5] Virginia Tech Transportat Inst, Ctr Sustainable Mobil, Blacksburg, VA USA	International Journal Of Sustainable Transportation	Nov 2020	2.709 Q-2
56	Efficacy of Enzymatically Induced Calcium Carbonate Precipitation in	Moghal, AAB (Moghal, Arif Ali Baig)[1]	[1] Natl Inst Technol, Dept Civil Engn, Warangal 506004,	Sustainability	Sep 2020	2.576

	the Retention of Heavy Metal Ions	Lateef, MA (Lateef, Mohammed Abdul)[2] Mohammed, SA (Mohammed, Syed Abu Sayeed)[2] Lemboye, K (Lemboye, Kehinde)[3] Chittoori, BCS (Chittoori, Bhaskar C. S.)[4] Almajed, A (Almajed, Abdullah)[3]	Telangana, India [2] HKBK Coll Engn, Dept Civil Engn, Bengaluru 560045, India [3] King Saud Univ, Coll Engn, Dept Civil Engn [4] Boise State Univ, Dept Civil Engn, Boise, ID 83725 USA			Q-2
57	Heavy Metal Immobilization Studies and Enhancement in Geotechnical Properties of Cohesive Soils by EICP Technique	Moghal, AAB (Moghal, Arif Ali Baig)[1] Lateef, MA (Lateef, Mohammed Abdul)[2] Mohammed, SA (Mohammed, Syed Abu Sayeed)[2] Ahmad, M (Ahmad, Munir)[3] Usman, ARA (Usman, Adel R. A.)[3,4] Almajed, A (Almajed, Abdullah)[5]	[1] Natl Inst Technol, Dept Civil Engn, Warangal 506004, Telangana, India [2] HKBK Coll Engn, Dept Civil Engn, Bengaluru 560045, Karnataka, India [3] King Saud Univ, Coll Food & Agr Sci, Soil Sci Dept, POB 2460, Riyadh 11451, Saudi Arabia [4] Assiut Univ, Fac Agr, Dept Soils & Water, Assiut 71526, Egypt [5] King Saud Univ, Coll Engn, Dept Civil Engn	Applied Sciences-Basel	Nov 2020	2.474 Q-2
58	Effect of using available metakaoline and nano materials on the behavior of reactive powder concrete	Alharbi, YR (Alharbi, Yousef R.)[1] Abadel, AA (Abadel, Aref A.)[1] Mayhoub, OA (Mayhoub, Ola A.)[2] Kohail, M (Kohail, Mohamed)[2]	[1] King Saud Univ, Coll Engn, Dept Civil Engn [2] Ain Shams Univ, Fac Engn, Struct Engn Dept, Cairo, Egypt	Construction and Building Materials	Feb 2021 (Available online 1 November 2020).	4.419 Q-1

59	Rheological Behaviors of Edge-Oxidized Graphene Oxide Cement Composites	Alharbi, Y (Alharbi, Yousef)[1] Cho, BH (Cho, Byoung Hooi)[2] An, J (An, Jinwoo)[3] Nam, BH (Nam, Boo Hyun)[2]	[1] King Saud Univ, Dept Civil Engr [2] Univ Cent Florida, Dept Civil Environm & Construct Engr, 4000 Cent Florida Blvd,Bldg 91,Suite 211, Orlando, FL 32816 USA [3] Univ Mt Union, Dept Engr, 1972 Clark Ave, Alliance, OH 44601 USA	Journal of Materials in Civil Engineering	Jun 2020	2.169 Q-2
60	Edge-Oxidized Graphene Oxide as Additive in Fiber-Reinforced Concrete: Effects on Fresh and Hardened Properties	Khawaji, M (Khawaji, Mohammad)[1] Cho, BH (Cho, Byoung Hooi)[1] Nam, BH (Nam, Boo Hyun)[1] Alharbi, Y (Alharbi, Yousef)[2] An, J (An, Jinwoo)[3]	[1] Univ Cent Florida, Dept Civil Environm & Construct Engr, 12800 Pegasus Dr,Suite 211, Orlando, FL 32816 USA [2] King Saud Univ, Dept Civil Engr [3] Univ Mt Union, Dept Engr, 1972 Clark Ave, Alliance, OH 44601 USA	Journal of Materials in Civil Engineering	Apr 2020	2.169 Q-2
61	Suitability of Palm Frond Waste Ash as a Supplementary Cementitious Material	Alrshoudi, F (Alrshoudi, Fahed)[1] Alshannag, M (Alshannag, Mohammad)[1]	[1] King Saud Univ, Dept Civil Engr	Arabian Journal for Science and Engineering	Apr 2020	1.711 Q-3
62	Strengthening and Repair of a Precast Reinforced Concrete Residential Building	Shannag, MJ (Shannag, M. Jamal)[1] Higazey, M (Higazey, Mahmoud)[1]	[1] King Saud Univ, Civil Engr Dept, Riyadh, Saudi Arabia	Civil Engineering Journal-Tehran	Dec 2020	Newly added to ISI List of Journals
63	Behavior of broadcast ionospheric-delay models from gps, beidou, and galileo systems	Farah, A (Farah, Ashraf)[1,]	[1] King Saud Univ, Civil Engr Dept, Riyadh, Saudi Arabia	Artificial Satellites-Journal of Planetary Geodesy	Jun 2020	Newly added to ISI List of

						Journals
64	Characteristics of metakaolin-based geopolymer concrete for different mix design parameters	Albidah, A (Albidah, Abdulrahman)[1] Alghannam, M (Alghannam, Mohammed)[1] Abbas, H (Abbas, Husain)[1] Almusallam, T (Almusallam, Tarek)[1] Al-Salloum, Y (Al-Salloum, Yousef)[1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn	Journal of Materials Research and Technology-Jmr&T	Jan 2021 (Available online 5 December 2020)	5.289 Q-1
65	Optimization of the Fine to Coarse Aggregate Ratio for the Workability and Mechanical Properties of High Strength Steel Fiber Reinforced Concretes	Khan, MI (Khan, Mohammad Iqbal)[1] Abbass, W (Abbass, Wasim)[1] Alrubaidi, M (Alrubaidi, Mohammad)[1] Alqahtani, FK (Alqahtani, Fahad K.)[1]	[1] King Saud Univ, Dept Civil Engn, Coll Engn	Materials	Nov 2020	3.057 Q-2
66	Formulation and characterization of geopolymer and conventional lightweight green concrete by incorporating synthetic lightweight aggregate	Rehman, MU (Rehman, Munib Ul)[1] Rashid, K (Rashid, Khuram)[1] Zafar, I (Zafar, Idrees)[2] Alqahtani, FK (Alqahtani, Fahad K.)[3] Khan, MI (Khan, M. Iqbal)[4,5]	[1] Univ Engn & Technol, Dept Architectural Engn & Design, Main GT Rd, Lahore 54890, Pakistan [2] Al Imam Mohammad Ibn Saud Islam Univ, Dept Civil Engn, POB 5701, Riyadh 11432, Saudi Arabia [3] King Saud Univ, Dept Civil Engn [4] King Saud Univ, Coll Engn, Dept Civil Engn [5] King Saud Univ, Coll Engn, Ctr Excellence Concrete Res & Testing	Journal of Building Engineering	Sep 2020	3.379 Q-1

67	Synthesis and characterization of sustainable geopolymer green clay bricks: An alternative to burnt clay brick	Iftikhar, S (Iftikhar, Sahar)[1,2] Rashid, K (Rashid, Khuram)[1] Ul Haq, E (Ul Haq, Ehsan)[3] Zafar, I (Zafar, Idrees)[4] Alqahtani, FK (Alqahtani, Fahad K.)[5] Khan, MI (Khan, M. Iqbal)[5,6]	[1] Univ Engn & Technol, Dept Architectural Engn & Design, Main GT Rd, Lahore 54890, Pakistan [2] Leads Univ, Fac Civil Engn, Lahore, Pakistan [3] Univ Engn & Technol, Dept Met & Mat Engn, Main GT Rd, Lahore 54890, Pakistan [4] Al Imam Mohammad Ibn Saud Islamic Univ, Coll Engn, Dept Civil Engn, POB 5701, Riyadh 11432, Saudi Arabia [5] King Saud Univ, Coll Engn, Dept Civil Engn, KSA [6] King Saud Univ, Coll Engn King, Ctr Excellence Concrete Res & Testing, KSA	Construction and Building Materials	Oct 2020	4.419 Q-1
----	--	---	---	-------------------------------------	----------	--------------

**Industrial Engineering Department
&
Raytheon Chair Systems Engineering**

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	Studying and Optimizing the Effect of Process Parameters on Machining Vibration in Turning Process of AISI 1040 Steel	Al-Shayea, A (Al-Shayea, Adel)[1] Abdullah, FM (Abdullah, Fawaz M.)[1] Noman, MA (Noman, Mohammed A.)[1,2] Kaid, H (Kaid, Husam)[1,2] Nasr, EA (Nasr, Emad Abouel)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] Taiz Univ, Dept Ind & Mfg Syst Engn, Coll Engn & IT, Taizi 6803, Yemen	Advances in Materials Science and Engineering	Aug 2020	1.271 Q-4
2	On the Effect of Electron Beam Melted Ti6Al4V Part Orientations during Milling	Dabwan, A (Dabwan, Abdulmajeed)[1] Anwar, S (Anwar, Saqib)[1] Al-Samhan, AM (Al-Samhan, Ali M.)[1] Nasr, MM (Nasr, Mustafa M.)[1]	[1] King Saud Univ, Coll Engn, Ind Engn Dept	Metals	Sep 2020	2.117 Q-1
3	Milling of Graphene Reinforced Ti6Al4V Nanocomposites: An Artificial Intelligence Based Industry 4.0 Approach	Nasr, MM (M. Nasr, Mustafa)[1] Anwar, S (Anwar, Saqib)[1] Al-Samhan, AM (M. Al-Samhan, Ali)[1] Ghaleb, M (Ghaleb, Mageed)[1,2]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] Ryerson Univ, Dept Mech & Ind Engn, Toronto, ON M5B 2K3, Canada	Materials	Dec 2020	3.057 Q-2

		Dabwan, A (Dabwan, Abdulmajeed)[1]				
4	Design for Additive Manufacturing: A Systematic Review	Alfaify, A (Alfaify, Abdullah)[1,2] Saleh, M (Saleh, Mustafa)[1] Abdullah, FM (Abdullah, Fawaz M.)[1] Al-Ahmari, AM (Al-Ahmari, Abdulrahman M.)[1,2]	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] King Saud Univ, Raytheon Chair Syst Engn RCSE Chair	Sustainability	Oct 2020	2.576 Q-2
5	Investigation of surface modification and tool wear on milling Nimonic 80A under hybrid lubrication	Ross, KNS (Ross, Nimel Sworna K.)[1] Manimaran, G (Manimaran, G.)[2] Anwar, S (Anwar, Saqib)[3] Rahman, MA (Rahman, M. Azizur)[4] Korkmaz, ME (Korkmaz, Mehmet Erdi)[5] Gupta, MK (Gupta, Munish Kumar)[6] Alfaify, A (Alfaify, Abdullah)[3] Mia, M (Mia, Mozammel)[7]	[1] Kings Engn Coll, Dept Mech Engn, Irungattukottai, India [2] Saveetha Engn Coll, Dept Mech Engn, Chennai, Tamil Nadu, India [3] King Saud Univ, Coll Engn, Ind Engn Dept [4] Ahsanullah Univ Sci & Technol, Dept Mech & Prod Engn, Dhaka 1208, Bangladesh [5] Karabuk Univ, Dept Mech Engn, Karabuk, Turkey [6] Shandong Univ, Sch Mech Engn, Key Lab High Efficiency & Clean Mech Manufacture, Minist Educ, Jinan 250061, Peoples R China [7] Imperial Coll London, Dept Mech Engn, Exhibit Rd, London SW7 2AZ, England	Tribology International	Mar 2021 (Avialaible online in Nov 2020)	4.271 Q-1

6	Remote Pain Monitoring Using Fog Computing for e-Healthcare: An Efficient Architecture	Hassan, SR (Hassan, Syed Rizwan)[1] Ahmad, I (Ahmad, Ishtiaq)[1] Ahmad, S (Ahmad, Shafiq)[2] Alfaify, A (Alfaify, Abdullah)[2] Shafiq, M (Shafiq, Muhammad)[3]	[1] Univ Lahore, Dept Elect Engn, Lahore 54000, Pakistan [2] King Saud Univ, Coll Engn, Dept Ind Engn [3] Yeungnam Univ, Dept Informat & Commun Engn, Gyongsan 38541, South Korea	Sensors	Nov 2020	3.275 Q-1
7	Energy-Based Novel Quantifiable Sustainability Value Assessment Method for Machining Processes	Khan, AM (Khan, Aqib Mashood)[1,2] Anwar, S (Anwar, Saqib)[3] Gupta, MK (Gupta, Munish Kumar)[1,4] Alfaify, A (Alfaify, Abdullah)[3] Hasnain, S (Hasnain, Saqib)[5] Jamil, M (Jamil, Muhammad)[2] Mia, M (Mia, Mozammel)[6] Pimenov, DY (Pimenov, Danil Yurievich)[4]	[1] Shandong Univ, Sch Mech Engn, Minist Educ, Key Lab High Efficiency & Clean Mech Manufacture, Jinan 250061, Shandong, Peoples R China [2] Nanjing Univ Aeronaut & Astronaut, Coll Mech & Elect Engn, Nanjing 210016, Peoples R China [3] King Saud Univ, Coll Engn, Ind Engn Dept [4] South Ural State Univ, Dept Automated Mech Engn, Lenin Prosp 76, Chelyabinsk 454080, Russia [5] Univ Engn & Technol Taxila, Department Mech Engn, Taxila 47050, Pakistan [6] Imperial Coll London, Dept Mech Engn, London SW7 2AZ, England	Energies	Nov 2020	2.702 Q-3

8	Intelligent Colored Token Petri Nets for Modeling, Control, and Validation of Dynamic Changes in Reconfigurable Manufacturing Systems	Kaid, H (Kaid, Husam)[1] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1] Li, ZW (Li, Zhiwu)[2,3] Davidrajuh, R (Davidrajuh, Reggie)[4]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] Macau Univ Sci & Technol, Inst Syst Engn, Taipa 999078, Macao, Peoples R China [3] Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R China [4] Univ Stavanger, Fac Sci & Technol, N-4036 Stavanger, Norway	Processes	Mar 2020	2.753 Q-2
9	Strict Minimal Siphon-Based Colored Petri Net Supervisor Synthesis for Automated Manufacturing Systems With Unreliable Resources	Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1] Kaid, H (Kaid, Husam)[1] Li, ZW (Li, Zhiwu)[2,3] Davidrajuh, R (Davidrajuh, Reggie)[4]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] Macau Univ Sci & Technol, Inst Syst Engn, Macau 999078, Peoples R China [3] Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R China [4] Univ Stavanger, Fac Sci & Technol, N-4036 Stavanger, Norway	IEEE Access	2020	3.745 Q-1
10	Automatic Supervisory Controller for Deadlock Control in Reconfigurable Manufacturing Systems with Dynamic Changes	Kaid, H (Kaid, Husam)[1] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1] Li, ZW (Li, Zhiwu)[2,3] Davidrajuh, R (Davidrajuh, Reggie)[4]	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] Macau Univ Sci & Technol, Inst Syst Engn, Taipa 999078, Macau, Peoples R China [3] Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R	Applied Sciences-Basel	Aug 2020	2.474 Q-2

			China [4] Univ Stavanger, Fac Sci & Technol, Dept Elect Engn & Comp Sci, N-4036 Stavanger, Norway			
11	Petri Net Model Based on Neural Network for Deadlock Control and Fault Detection and Treatment in Automated Manufacturing Systems	Kaid, H (Kaid, Husam)[1] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1] Nasr, EA (Nasr, Emad Abouel)[1,3] Al-Shayea, A (Al-Shayea, Adel)[1] Kamrani, AK (Kamrani, Ali K.)[2] Noman, MA (Noman, Mohammed A.)[1] Mahmoud, HA (Mahmoud, Haitham A.)[1,3]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] Univ Houston, Coll Engn, Ind Engn Dept, Houston, TX 77204 USA [3] Helwan Univ, Fac Engn, Mech Engn Dept, Cairo 11732, Egypt	IEEE Access	2020	3.745 Q-1
12	Path Planning and Setup Orientation for Automated Dimensional Inspection Using Coordinate Measuring Machines	Abdulhameed, O (Abdulhameed, Osama)[1,2] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1,2] Mian, SH (Mian, Syed Hammad)[1] Aboudaif, MK (Aboudaif, Mohamed K.)[1]	[1] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE [2] King Saud Univ, Coll Engn, Ind Engn Dept	Mathematical Problems in Engineering	Dec 2020	1.009 Q-3
13	Evolution of Computer-Aided Process Planning for Hybrid Additive/Subtractive Process	Abdulhameed, O (Abdulhameed, Osama)[1,2] Al-Ahmari, A (Al-Ahmari,	[1] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE Chair	Advances in Materials Science And Engineering	Jul 2020	1.271 Q-4

		Abdulrahman)[1,2] Mian, SH (Mian, Syed Hammad)[1] Dabwan, A (Dabwan, Abdulmajeed)[2] Alkhalefah, H (Alkhalefah, Hisham)[1]	[2] King Saud Univ, Coll Engn, Ind Engn Dept			
14	Patch and curvature specific estimation of efficient sampling scheme for complex surface inspection	Abdulhameed, O (Abdulhameed, Osama)[1,2] Mian, SH (Mian, Syed Hammad)[1] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1,2] Alkhalefah, H (Alkhalefah, Hisham)[1]	[1] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE Chair [2] King Saud Univ, Coll Engn, Ind Engn Dept	International Journal of Advanced Manufacturing Technology	Sep 2020	2.633 Q-2
15	Stress analysis in a bone fracture fixed with topology-optimised plates	Al-Tamimi, AA (Al-Tamimi, Abdulsalam Abdulaziz)[1,2] Quental, C (Quental, Carlos)[3] Folgado, J (Folgado, Joao)[3] Peach, C (Peach, Chris)[2,4] Bartolo, P (Bartolo, Paulo)[2]	[1] Kind Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia [2] Univ Manchester, Sch Mech Aerosp & Civil Engn, Manchester, Lancs, England [3] Univ Lisbon, Inst Super Tecn, IDMEC, Lisbon, Portugal [4] Manchester Univ NHS Fdn Trust, Manchester, Lancs, England	Biomechanics and Modeling In Mechanobiology	Apr 2020	2.527 Q-2
16	Mechanical, biological and tribological behaviour of fixation plates 3D printed by electron beam and selective laser melting	Al-Tamimi, AA (Al-Tamimi, Abdulsalam Abdulaziz)[1] Hernandez, MA (Hernandez,	[1] Kind Saud Univ, Coll Engn, Ind Engn Dept, Riyadh, Saudi Arabia [2] Univ Manchester, Sch Mat,	International Journal of Advanced Manufacturing	Jul 2020	2.633 Q-2

		Miguel A.)[2] Omar, A (Omar, Abdalla)[3] Morales-Aldana, DF (Morales-Aldana, David Felipe)[4] Peach, C (Peach, Chris)[3,5] Bartolo, P (Bartolo, Paulo)[3]	Manchester, Lancs, England [3] Univ Manchester, Sch Mech Aerosp & Civil Engn, Manchester, Lancs, England [4] Univ Manchester, Sch Elect & Elect Engn, Manchester, Lancs, England [5] Manchester Univ NHS Fdn Trust, Manchester, Lancs, England	Technology		
17	Model for Integrating Production Scheduling and Maintenance Planning of Flow Shop Production System	Al-Shayea, A (Al-Shayea, Adel)[1] Fararah, E (Fararah, Emad)[1] Nasr, EA (Nasr, Emad Abouel)[1] Mahmoud, HA (Mahmoud, Haitham A.)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn	IEEE Access	2020	3.745 Q-1
18	Scheduling Two Identical Parallel Machines Subjected to Release Times, Delivery Times and Unavailability Constraints	Al-Shayea, AM (Al-Shayea, Adel M.)[1] Saleh, M (Saleh, Mustafa)[1] Alatefi, M (Alatefi, Moath)[1] Ghaleb, M (Ghaleb, Mageed)[1]	[1] King Saud Univ, Coll Engn, Ind Engn Dept	Processes	Sep 2020	2.753 Q-2
19	Using Electroencephalography (EEG) Power Responses to Investigate the Effects of Ambient Oxygen Content, Safety Shoe Type, and Lifting Frequency on the Worker's Activities	Ramadan, MZ (Ramadan, Mohamed Z.)[1] Ghaleb, AM (Ghaleb, Atef M.)[1] Ragab, AE (Ragab, Adham E.)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	Biomed Research International	Apr 2020	2.276 Q-3

20	Effect of Cycling on a Stationary Bike While Performing Assembly Tasks on Human Physiology and Performance Parameters	Ghaleb, AM (Ghaleb, Atef M.)[1] Khalaf, TM (Khalaf, Tamer M.)[1,2] Ramadan, MZ (Ramadan, Mohamed Z.)[1] Ragab, AE (Ragab, Adham E.)[1] Badwelan, A (Badwelan, Ahmed)[1]	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] Al Azhar Univ, Coll Engn, Dept Mech Engn, Cairo 11371, Egypt	International Journal Of Environmental Research And Public Health	Mar 2020	2.849 Q-1
21	Dynamic Behaviors and Microstructure Evolution of Iron-Nickel Based Ultra-High Strength Steel by SHPB Testing	Fu, HG (Fu, Hongge)[1,2] Wang, XB (Wang, Xibin)[1] Xie, LJ (Xie, Lijing)[1] Hu, X (Hu, Xin)[1] Umer, U (Umer, Usama)[3] Rehman, AU (Rehman, Ateekh Ur)[4] Abidi, MH (Abidi, Mustufa Haider)[3] Ragab, AE (Ragab, Adham E.)[4]	[1] Beijing Inst Technol, Sch Mech Engn, Beijing 100081, Peoples R China [2] North China Inst Aerosp Engn, Sch Mech & Elect Engn, Langfang 065000, Peoples R China [3] King Saud Univ, Adv Mfg Inst [4] King Saud Univ, Coll Engn, Ind Engn Dept	Metals	Jan 2020	2.117 Q-1
22	Study of the Effect of Process Parameters on Surface Profile Accuracy in Single-Point Incremental Sheet Forming of AA1050-H14 Aluminum Alloy	Dabwan, A (Dabwan, Abdulmajeed)[1] Ragab, AE (Ragab, Adham E.)[1] Saleh, MA (Saleh, Mohamed	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] Private Consultants, Cairo, Egypt	Advances in Materials Science and Engineering	Jan 2020	1.271 Q-4

		A.)[2] Anwar, S (Anwar, Saqib)[1] Ghaleb, AM (Ghaleb, Atef M.)[1] Rehman, AU (Rehman, Ateekh Ur)[1]				
23	Program evaluation of highway access with innovative risk-cost-benefit analysis	Alsultan, M (Alsultan, Marwan)[1,2] Jun, J (Jun, Jungwook)[3] Lambert, JH (Lambert, James H.)[2]	[1] King Saud Univ, Dept Ind Engn, POB 89885, Riyadh 11692, Saudi Arabia [2] Univ Virginia, Dept Engn Syst & Enviroment, 151 Engineers Way,POB 400747, Charlottesville, VA 22904 USA [3] Virginia Dept Transportat, 1401 E Broad St, Richmond, VA 23219 USA	Reliability Engineering & System Safety	Jan 2020	5.04 Q-1
24	A Column Generation-Based Lower Bound for the Minimum Sum Coloring Problem	Mrad, M (Mrad, Mehdi)[1] Harrabi, O (Harrabi, Olfa)[2] Siala, JC (Siala, Jouhaina Chaouachi)[3] Gharbi, A (Gharbi, Anis)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] Tunis Univ, Higher Inst Management Tunis, ISG Tunis, Bardo 2000, Tunisia [3] IHEC Carthage Presidency, Inst Adv Business Studies Carthage, Carthage Univ, Carthage 2017, Tunisia	IEEE Access	2020	3.745 Q-1
25	Two-stage bond portfolio optimization and its application to Saudi Sukuk Market	Alreshidi, NA (Alreshidi, Nasser Aedh)[1,2] Mrad, M (Mrad, Mehdi)[3]	[1] Northern Border Univ, Dept Math, Ar Ar, Northern Boarde, Saudi Arabia [2] Florida Inst Technol, Dept Math	Annals of Operations Research	Feb 2020	2.582 Q-2

		Subasi, E (Subasi, Ersoy)[4] Subasi, MM (Subasi, Munevver Mine)[2]	Sci, 150 W Univ Blvd, Melbourne, FL 32901 USA [3] King Saud Univ, Dept Ind Engr [4] Florida Inst Technol, Dept Comp Engr & Sci, 150 W Univ Blvd, Melbourne, FL 32901 USA			
26	Optimal k Cut-Sets in Attack/Defense Strategies on Networks	Mrad, M (Mrad, Mehdi)[1] Suryahatmaja, US (Suryahatmaja, Umar S.)[1] Ben Yaghlane, A (Ben Yaghlane, Asma)[2] Azaiez, MN (Azaiez, M. Naceur)[2]	[1] King Saud Univ, Dept Ind Engr, Coll Engr [2] Univ Tunis, Tunis Business Sch, Business Analyt & Decis Making Lab BADEM, Tunis 2059, Tunisia	IEEE Access	2020	3.745 Q-1
27	Low-Cost Goethite Nanorods for As (III) and Se (VI) Removal from Water	Amrani, MA (Amrani, Mokhtar Ali)[1,2] Ghaleb, AM (Ghaleb, Atef M.)[4] ; Ragab, AE (Ragab, Adham E.)[4] ; Ramadan, MZ (Ramadan, Mohamed Z.)[4] Khalaf, TM (Khalaf, Tamer M.)[4]	[1] Taiz Univ, Fac Engr & Informat Technol, Taizi 6803, Yemen [2] Univ Hyderabad, Sch Engr Sci & Technol SEST, Hyderabad 500046, India [4] King Saud Univ, Coll Engr, Dept Ind Engr	Applied Sciences-Basel	Oct 2020	2.474 Q-2
28	Dynamic Behaviors and Microstructure Evolution of Iron–Nickel Based Ultra-High Strengt h Steel by SHPB Testing	Fu, HG (Fu, Hongge)[1,2] Wang, XB (Wang, Xibin)[1] Xie, LJ (Xie, Lijing)[1] Hu, X (Hu, Xin)[1]	[1] Beijing Inst Technol, Sch Mech Engr, Beijing 100081, Peoples R China [2] North China Inst Aerosp Engr, Sch Mech & Elect Engr, Langfang 065000, Peoples R China	Metals	Jan 2020	2.117 Q-1

		Umer, U (Umer, Usama)[3] Rehman, AU (Rehman, Ateekh Ur)[4] Abidi, MH (Abidi, Mustufa Haider)[3] Ragab, AE (Ragab, Adham E.)[4]	[3] King Saud Univ, Adv Mfg Inst [4] King Saud Univ, Coll Engn, Ind Engn Dept			
29	Lean Approach to Enhance Manufacturing Productivity: A Case Study of Saudi Arabian Factory	By:Rehman, AU (Rehman, Ateekh Ur)[1] Usmani, YS (Usmani, Yusuf S.)[1] Umer, U (Umer, Usama)[2] Alkahtani, M (Alkahtani, Mohammed)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] King Saud Univ, Adv Mfg Inst, Coll Engn	Arabian Journal for Science and Engineering	Mar 2020	1.711 Q-3
30	An Integrated Decision Making Approach for Cause and-Effect Analysis of Sustainable Manufacturing Indicators	Bhanot, N (Bhanot, Neeraj)[1] Qaiser, FH (Qaiser, Fahham Hasan)[2] Alkahtani, M (Alkahtani, Mohammed)[3] Rehman, AU (Rehman, Ateekh Ur)[3]	[1] Indian Inst Management Amritsar, Quantitat Methods & Operat Management, Amritsar 143105, Punjab, India [2] Loughborough Univ, Sch Business & Econ, Loughborough LE11 3TU, Leics, England [3] King Saud Univ, Coll Engn, Dept Ind Engn	Sustainability	Feb 2020	2.576 Q-2
31	WEDM of AA6061: an insight investigation of axial and lateral dimensional errors	Ishfaq, K (Ishfaq, Kashif)[1] Ahmed, N (Ahmed, Naveed)[1,2] Rehman, AU (Rehman, Ateekh Ur)[3]	[1] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore, Pakistan [2] Al Yamamah Univ, Coll Engn & Architecture, Ind Engn Dept, Riyadh, Saudi Arabia	Materials and Manufacturing Processes	Mar 2002	3.046 Q-2

		Umer, U (Umer, Usama)[4]	[3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia [4] King Saud Univ, Coll Engn, Adv Mfg Inst, Riyadh, Saudi Arabia			
32	T-FSW of Dissimilar Aerospace Grade Aluminium Alloys: Influence of Second Pass on Weld Defects	Abidi, MH (Abidi, Mustufa Haider)[1] Ali, N (Ali, Nabeel)[2] Ibrahimi, H (Ibrahimi, Hashmatullah)[2] Anjum, S (Anjum, Saquib)[2] Bajaj, D (Bajaj, Dhruv)[2] Siddiquee, AN (Siddiquee, Arshad Noor)[2] Alkahtani, M (Alkahtani, Mohammed)[1,3] Rehman, AU (Rehman, Ateekh Ur)[3]	[1] King Saud Univ, Adv Mfg Inst [2] Jamia Millia Islamia, Dept Mech Engn, New Delhi 110025, India [3] King Saud Univ, Coll Engn, Dept Ind Engn	Metals	Apr 2020	2.117 Q-1
33	Assessment of Supply Chain Agility to Foster Sustainability: Fuzzy-DSS for a Saudi Manufacturing Organization	Rehman, AU (Rehman, Ateekh Ur)[1] Al-Zabidi, A (Al-Zabidi, Ayoub)[1] AlKahtani, M (AlKahtani, Mohammed)[1] Umer, U (Umer, Usama)[2] Usmani, YS (Usmani, Yusuf	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] King Saud Univ, Adv Mfg Inst	Processes	May 2020	2.753 Q-2

		Siraj)[1]				
34	Minimizing the Micro-Edge Damage at Each Constituent Layer of the Clad Composite during AWJM	Ishfaq, K (Ishfaq, Kashif)[1] Ahmed, N (Ahmed, Naveed)[2] Rehman, AU (Rehman, Ateekh Ur)[3] Hussain, A (Hussain, Amjad)[1] Umer, U (Umer, Usama)[4] Al-Zabidi, A (Al-Zabidi, Ayoub)[3]	[1] Univ Engn & Technol, Dept Ind & Mfg Engr, Lahore 54890, Pakistan [2] Alyamamah Univ, Dept Ind Engr, Coll Engr & Architecture, Riyadh 11512, Saudi Arabia [3] King Saud Univ, Coll Engr, Dept Ind Engr [4] King Saud Univ, Coll Engr, Adv Mfg Inst	Materials	Jun 2020	3.057 Q-2
35	Sustainable Perspective of Low-Lime Stabilized Fly Ashes for Geotechnical Applications: PROMETHEE-Based Optimization Approach	Moghal, AAB (Moghal, Arif Ali Baig)[1] Rehman, AU (Rehman, Ateekh Ur)[2] Vydehi, KV (Vydehi, K. Venkata)[1] Umer, U (Umer, Usama)[3]	[1] Natl Inst Technol, Dept Civil Engr, Warangal 506004, Telangana, India [2] King Saud Univ, Coll Engr, Dept Ind Engr [3] King Saud Univ, Adv Mfg Inst	Sustainability	Aug 2020	2.576 Q-2
36	Achieving the Minimum Roughness of Laser Milled Micro-Impressions on Ti 6Al 4V, Inconel 718, and Duralumin	Ahmed, N (Ahmed, Naveed)[1] Rehman, AU (Rehman, Ateekh Ur)[2] Ishfaq, K (Ishfaq, Kashif)[3] Naveed, R (Naveed, Rakhshanda)[3] Moiduddin, K (Moiduddin, Khaja)[4]	[1] Al Yamamah Univ, Dept Ind Engr, Coll Engr & Architecture, Riyadh 11512, Saudi Arabia [2] King Saud Univ, Dept Ind Engr, Coll Engr [3] Univ Engn & Technol, Dept Ind & Mfg Engr, Lahore 54890, Pakistan [4] King Saud Univ, Adv Mfg Inst,	Materials	Oct 2020	3.057 Q-2

		Umer, U (Umer, Usama)[4] Ragab, AE (Ragab, Adham E.)[2] Al-Zabidi, A (Al-Zabidi, Ayoub)[2]	Coll Engn			
37	Effect of Severe Plastic Deformation, through Equal-Channel Angular Press Processing, on the Electrochemical Behavior of Al5083 Alloy	Seikh, AH (Seikh, Asiful H.)[1] Baig, M (Baig, Muneer)[2] Rehman, AU (Rehman, Ateekh Ur)[3]	[1] King Saud Univ, Ctr Excellence Res Engn Mat, Deanship Sci Res [2] Prince Sultan Univ, Coll Engn, Engn Management Dept, POB 66833, Riyadh 11586, Saudi Arabia [3] King Saud Univ, Coll Engn, Dept Ind Engn	Applied Sciences-Basel	Nov 2020	2.474 Q-2
38	An automatic yogurt filling system built from scratch based on industry 4.0 concept	Salah, B (Salah, Bashir)[1] Khan, S (Khan, Sajjad)[2] Gjeldum, N (Gjeldum, Nikola)[3]	[1] King Saud Univ, Coll Engn, Dept Ind Engn [2] Saudi BinLadin Grp, Jeddah, Saudi Arabia [3] Univ Split, Fac Elect Engn Mech Engn & Naval Architecture, R Boskovica 32, Split, Croatia	Transactions of Famena	Jun 2020	0.58 Q-4
39	Integrating the Concept of Industry 4.0 by Teaching Methodology in Industrial Engineering Curriculum	Salah, B (Salah, Bashir)[1] Khan, S (Khan, Sajjad)[2] Ramadan, M (Ramadan, Muawia)[3] Gjeldum, N (Gjeldum, Nikola)[4]	[1] King Saud Univ, Coll Engn, Ind Engn Dept, PO Box 800 [2] Saudi BinLadin Grp, Supervising Elect Engineer, PO Box 6807, Ibrahim Amin Fudah St, Jeddah 23434, Saudi Arabia [3] An Najah Natl Univ, Dept Ind Engn, Fac Engn & Informat Technol, PO Box 7, Nablus 97300, Palestine	Processes	Sep 2020	2.753 Q-2

			[4] Univ Split, Fac Elect Engr Mech Engr & Naval Architecture, R Boskovica 32, Split 21000, Croatia			
40	Adapting Universities for Sustainability Education in Industry 4.0: Channel of Challenges and Opportunities	Mian, SH (Mian, Syed Hammad)[1] Salah, B (Salah, Bashir)[2] Ameen, W (Ameen, Wadea)[1] Moiduddin, K (Moiduddin, Khaja)[1] Alkhalefah, H (Alkhalefah, Hisham)[1]	[1] King Saud Univ, Adv Mfg Inst [2] King Saud Univ, Coll Engr, Dept Ind Engr	Sustainability	Aug 2020	2.576 Q-2
41	Industry 4.0-Based Real-Time Scheduling and Dispatching in Lean Manufacturing Systems	Ramadan, M (Ramadan, Muawia)[1] Salah, B (Salah, Bashir)[2] Othman, M (Othman, Mohammed)[1] Ayubali, AA (Ayubali, Arsath Abbasali)[3]	[1] An Najah Natl Univ, Fac Engr & Informat Technol, Dept Ind Engr, POB 7, Nablus, West Bank, Palestine [2] King Saud Univ, Dept Ind Engr, Coll Engr [3] Anna Univ, Dept Mech Engr, Coll Engr Guindy, Chennai 600025, Tamil Nadu, India	Sustainability	Mar 2020	2.576 Q-2
42	Utilization of Industry 4.0 Related Equipment in Assembly Line Balancing Procedure	Gjeldum, N (Gjeldum, Nikola)[1] Salah, B (Salah, Bashir)[2] Aljinovic, A (Aljinovic, Amanda)[1] Khan, S (Khan, Sajjad)[3]	[1] Univ Split, Fac Elect Engr Mech Engr & Naval Architecture FES, Split 21000, Croatia [2] King Saud Univ, Ind Engr Dept, Coll Engr [3] Saudi BinLadin Grp, POB 6807, Ibrahim Amin Fudah St, Jeddah 23434, Saudi Arabia	Processes	Jul 2020	2.753 Q-2

43	A Comprehensive Analysis of the Effect of Graphene-Based Dielectric for Sustainable Electric Discharge Machining of Ti-6Al-4V	Ishfaq, K (Ishfaq, Kashif)[1] Asad, M (Asad, Muhammad)[1] Anwar, S (Anwar, Saqib)[2] Pruncu, CI (Pruncu, Catalin I.)[3,4] Saleh, M (Saleh, Mustafa)[2] Ahmad, S (Ahmad, Shafiq)[2]	[1] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore 548900, Pakistan [2] King Saud Univ, Coll Engn, Ind Engn Dept [3] Imperial Coll London, Dept Mech Engn, Exhibit Rd, London SW7 2AZ, England [4] Univ Strathclyde, Design Mfg & Engn Management, Glasgow G1 1XJ, Lanark, Scotland	Materials	Online 23 Dec 2020	2.75 Q-1
44	On the machining analysis of graphene nanoplatelets reinforced Ti6Al4V matrix nanocomposites	Nasr, MM (Nasr, Mustafa M.)[1] Anwar, S (Anwar, Saqib)[1] Al-Samhan, AM (Al-Samhan, Ali M.)[1] Abdo, HS (Abdo, Hany S.)[2] Dabwan, A (Dabwan, Abdulmajeed)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] King Saud Univ, Ctr Excellence Res Engn Mat CEREM	Journal of Manufacturing Processes	Online 10 Nov 2020	4.086 Q-2
45	Wear performance of modified inserts in hard turning of AISI D2 steel: A concept of one-step sustainable machining	Khan, SA (Khan, Sarmad Ali)[1] Anwar, S (Anwar, Saqib)[2] Ishfaq, K (Ishfaq, Kashif)[1] Afzal, MZ (Afzal, Muhammad Zubair)[1] Ahmad, S (Ahmad, Shafiq)[2] Saleh, M (Saleh, Mustafa)[2]	[1] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore 54890, Pakistan [2] King Saud Univ, Coll Engn, Dept Ind Engn	Journal of Manufacturing Processes	Dec 2020	4.086 Q-2

46	Optimization of WEDM for precise machining of novel developed Al6061-7.5% SiC squeeze-casted composite	Ishfaq, K (Ishfaq, Kashif)[1] Anwar, S (Anwar, Saqib)[2] Ali, MA (Ali, Muhammad Asad)[1] Raza, MH (Raza, Muhammad Huzaifa)[3] Farooq, MU (Farooq, Muhammad Umar)[1] Ahmad, S (Ahmad, Shafiq)[2] Pruncu, CI (Pruncu, Catalin I.)[4,5] Saleh, M (Saleh, Mustafa)[2] Salah, B (Salah, Bashir)[2]	[1] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore 54890, Pakistan [2] King Saud Univ, Coll Engn, Ind Engn Dept [3] Univ Hong Kong, Dept Ind & Mfg Syst Engn, Pok Fu Lam, Hong Kong, Peoples R China [4] Univ Strathclyde, Design Mfg & Engn Management, Glasgow G1 1XJ, Lanark, Scotland [5] Imperial Coll London, Dept Mech Engn, London SW7 2AZ, England	International Journal of Advanced Manufacturing Technology	Dec 2020	2.633 Q-2
47	A comprehensive investigation of geometrical accuracy errors during WEDM of Al6061-7.5%SiC composite	Ishfaq, K (Ishfaq, Kashif)[1] Farooq, MU (Farooq, Muhammad Umar)[1,2] Anwar, S (Anwar, Saqib)[3] Ali, MA (Ali, Muhammad Asad)[1] Ahmad, S (Ahmad, Shafiq)[3] El-Sherbeeny, AM (M. El-Sherbeeny, Ahmed)[3]	[1] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore 54890, Pakistan [2] Korea Adv Inst Sci & Technol KAIST, Dept Ind & Syst Engn, Daejeon, South Korea [3] King Saud Univ, Ind Engn Dept, Coll Engn, Riyadh, Saudi Arabia	Materials and Manufacturing Processes	Oct 2020	3.046 Q-2
48	Performance Evaluation of a Direct Absorption Collector for Solar Thermal Energy Conversion	Sattar, A (Sattar, Abdul)[1] ; Farooq, M (Farooq, Muhammad)[1] Amjad, M (Amjad,	[1] Univ Engn & Technol Lahore, Dept Mech Engn, New Campus KSK, Lahore 54800, Pakistan [2] Univ Engn & Technol Lahore,	Energies	Sep 2020	2.702 Q-3

		Muhammad)[1] Saeed, MA (Saeed, Muhammad A.)[2] Nawaz, S (Nawaz, Saad)[1] Mujtaba, MA (Mujtaba, M. A.)[1] Anwar, S (Anwar, Saqib)[3] El-Sherbeeney, AM (El-Sherbeeney, Ahmed M.)[3] Soudagar, MEM (Soudagar, Manzoore Elahi M.)[4] Bandarra, EP (Bandarra Filho, Enio P.)[5] Ali, Q (Ali, Qasim)[6] Imran, M (Imran, Muhammad)[7] Pettinau, A (Pettinau, Alberto)[8]	Dept Chem Engn, Faisalabad Campus, Lahore 54800, Pakistan [3] King Saud Univ, Coll Engn, Dept Ind Engn [4] Univ Malaya, Dept Mech Engn, Ctr Energy Sci, Kuala Lumpur 50603, Malaysia [5] Fed Univ Uberlandia UFU, Sch Mech Engn, BR-38408100 Uberlandia, MG, Brazil [6] Univ Sargodha, Coll Engn & Technol, Dept Mech Engn, Sargodha 40100, Pakistan [7] Aston Univ, Sch Engn & Appl Sci, Dept Mech Engn & Design, Birmingham B4 7ET, W Midlands, England [8] Sotacarbo SpA, Grande Miniera Serbariu, I-09013 Carbonia, Italy			
49	Wear performance of surface treated drills in high speed drilling of AISI 304 stainless steel	Khan, SA (Khan, Sarmad Ali)[1] Shamail, S (Shamail, Sumbul)[1] Anwar, S (Anwar, Saqib)[2] Hussain, A (Hussain, Amjad)[1] Ahmad, S (Ahmad, Shafiq)[2] Saleh, M (Saleh, Mustafa)[2]	[1] Univ Engn & Technol Lahore, Dept Ind & Mfg Engn, Lahore 54890, Pakistan [2] King Saud Univ, Coll Engn, Ind Engn Dept	Journal of Manufacturing Processes	Oct 2020	4.086 Q-2

50	Thermomechanical Simulations of Residual Stresses and Distortion in Electron Beam Melting with Experimental Validation for Ti-6Al-4V	Abdullah, FM (Abdullah, Fawaz M.)[1] Anwar, S (Anwar, Saqib)[1] Al-Ahmari, A (Al-Ahmari, Abdulrahman)[1,2]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] King Saud Univ, Raytheon Chair Syst Engn RCSE Chair	Metals	Sep 2020	2.117 Q-1
51	Milling microchannels in monel 400 alloy by wire EDM: An experimental analysis	Saleh, M (Saleh, Mustafa)[1] ; Anwar, S (Anwar, Saqib)[1] ; El-Tamimi, A (El-Tamimi, Abdualziz)[1] ; Mohammed, MK (Mohammed, Muneer Khan)[2] ; Ahmad, S (Ahmad, Shafiq)[1]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE Chair	Micromachines	May 2020	2.524 Q-2
52	Multi-Response Optimization in High-Speed Machining of Ti-6Al-4V Using TOPSIS-Fuzzy Integrated Approach	Abbas, AT (Abbas, Adel T.)[1] Sharma, N (Sharma, Neeraj)[2] Anwar, S (Anwar, Saqib)[3] Luqman, M (Luqman, Monis)[1] Tomaz, I (Tomaz, Italo)[4] Hegab, H (Hegab, Hussien)[5]	[1] King Saud Univ, Engn Coll, Mech Engn Dept [2] Maharishi Markandeshwar Deemed Be Univ, Dept Mech Engn, Ambala 133207, Haryana, India [3] King Saud Univ, Engn Coll, Ind Engn Dept [4] Fluminense Fed Inst, Lab Mat Testing LEMat, Cabo Frio Buzios S-N, BR-28909971 Cabo Frio, RJ, Brazil [5] Cairo Univ, Mech Design & Prod Engn Dept, Giza 12613, Egypt	Materials	Mar 2020	3.057 Q-2
53	On the turning of electron beam melted gamma-TiAl with coated and uncoated tools: A machinability analysis	Anwar, S (Anwar, Saqib)[1] Ahmed, N (Ahmed, Naveed)[2]	[1] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh, Saudi Arabia [2] Univ Engn & Technol, Dept Ind	Journal of Materials Processing Technology	Aug 2020	4.669 Q-1

		Pervaiz, S (Pervaiz, Salman)[3] Ahmad, S (Ahmad, Shafiq)[1] Mohammad, A (Mohammad, Ashfaq)[4] Saleh, M (Saleh, Mustafa)[1]	& Mfg Engn, Lahore, Pakistan [3] Rochester Inst Technol, Dept Mech & Ind Engn, Dubai, U Arab Emirates [4] Metron Adv Equipment Ltd, Ilkeston DE7 4RJ, Derby, England			
54	Effective Sequestration of Phosphate and Ammonium Ions by the Bentonite/Zeolite Na-P Composite as a Simple Technique to Control the Eutrophication Phenomenon: Realistic Studies	Abukhadra, MR (Abukhadra, Mostafa R.)[1,2] Ali, SM (Ali, Samar Mohamed)[2,3] Nasr, EA (Nasr, Emad Abouel)[4,5] Mahmoud, HAA (Mahmoud, Haitham Abbas Ahmed)[4,5] Awwad, EM (Awwad, Emad Mahrous)[6]	[1] Beni Suef Univ, Fac Sci, Geol Dept, Bani Suwayf 62511, Egypt [2] Beni Suef Univ, Fac Sci, Geol Dept, Mat Technol & Their Applicat Lab, Bani Suwayf 62511, Egypt [3] Beni Suef Univ, Fac Sci, Chem Dept, Bani Suwayf 62511, Egypt [4] King Saud Univ, Coll Engn, Ind Engn Dept [5] Helwan Univ, Fac Engn, Mech Engn Dept, Cairo 11732, Egypt [6] King Saud Univ, Coll Engn, Elect Engn Dept	ACS Omega	Jun 2002	2.87 Q-2
55	Neural Network Approach for 2-Dimension Person Pose Estimation With Encoded Mask and Keypoint Detection	Rizwan, T (Rizwan, Tahir)[1] Cai, YZ (Cai, Yunze)[1,2,3] Ahsan, M (Ahsan, Muhammad)[1] Sohail, N (Sohail, Noman)[4,5] Nasr, EA (Nasr, Emad Abouel)[6,7] Mahmoud, HA (Mahmoud,	[1] Shanghai Jiao Tong Univ, Dept Automat, Shanghai 200025, Peoples R China [2] Minist Educ China, Key Lab Syst Control & Informat Proc, Shanghai 200240, Peoples R China [3] Shanghai Jiao Tong Univ, Key Lab Marine Intelligent Equipment & Syst, Minist Educ, Shanghai	IEEE Access	2020	3.745 Q-1

		Haitham A.)[6,7]	200240, Peoples R China [4] Yanshan Univ, Dept Informat Sci & Engr, Qinhuangdao 066000, Hebei, Peoples R China [5] Univ East London, Dept Comp Sci, London E16 2RD, England [6] King Saud Univ, Ind Engr Dept, Coll Engr [7] Helwan Univ, Mech Engr Dept, Fac Engr, Cairo 11732, Egypt			
56	Homomorphic Encryption of Supervisory Control Systems Using Automata	Zhou, S (Zhou, Sian)[1] Yu, ZH (Yu, Zhenhua)[2] Nasr, ESA (Nasr, Emad S. Abouel)[3,4] Mahmoud, HA (Mahmoud, Haitham A.)[3,4] Awwad, EM (Awwad, Emad Mahrous)[5] Wu, NQ (Wu, Naiqi)[6,7]	[1] Macau Univ Sci & Technol, Fac Informat Technol, Taipa 999078, Macao, Peoples R China [2] Xian Univ Sci & Technol, Inst Syst Secur & Control, Coll Comp Sci & Technol, Xian 710054, Shaanxi, Peoples R China [3] King Saud Univ, Ind Engr Dept, Coll Engr [4] Helwan Univ, Mech Engr Dept, Fac Engr, Cairo 11732, Egypt [5] King Saud Univ, Elect Engr Dept, Coll Engr [6] Macau Univ Sci & Technol, Inst Syst Engr, Taipa 999078, Macao, Peoples R China [7] Macau Univ Sci & Technol, Collaborat Lab Intelligent Sci & Syst, Taipa 999078, Macao,	IEEE Access	2020	3.745 Q-1

			Peoples R China			
57	Optimized Procedure to Schedule Physicians in an Intensive Care Unit: A Case Study	Hidri, L (Hidri, Lotfi)[1] Gazdar, A (Gazdar, Achraf)[2] Mabkhot, MM (M. Mabkhot, Mohammed)[1]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] King Saud Univ, Coll Comp & Informat Sci, Software Engn Dept	Mathematics	Nov 2020	1.747 Q-1
58	Solution of a Non-Classical Integral Equation Modeling a Rotating Thin Rod Under Some Constraints and Technical Feasibility	Hidri, L (Hidri, Lotfi)[1] Gazdar, A (Gazdar, Achraf)[2]	[1] King Saud Univ, Dept Ind Engn, Riyadh 11400, Saudi Arabia [2] King Saud Univ, Software Engn Dept, Riyadh 11400, Saudi Arabia	IEEE Access	2020	
59	Assessment and comparison of various MCDM approaches in the selection of manufacturing process	Ghaleb, AM (Ghaleb, Atef M.)[1] Kaid, H (Kaid, Husam)[1] Alsamhan, A (Alsamhan, Ali)[1] Mian, SH (Mian, Syed Hammad)[2,3] Hidri, L (Hidri, Lotfi)[1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] King Saud Univ, Adv Mfg Inst, Coll Engn [3] King Saud Univ, Raytheon Chair Syst Engn RCSE Chair	Advances in Materials Science and Engineering	Apr 2020	1.271 Q-4
60	Near-optimal solutions and tight lower bounds for the parallel machines scheduling problem with learning effect	Hidri, L (Hidri, Lotfi)[1] Jemmali, M (Jemmali, Mahdi)[2,3]	[1] King Saud Univ, Coll Engn, Ind Engn Dept [2] Majmaah Univ, Coll Sci, Dept Comp Sci & Informat, Majmaah 11952, Saudi Arabia [3] Monastir Univ, Higher Inst Comp Sci & Math Monastir, Dept Comp Sci, Monastir 5000, Tunisia	Rairo-Operations Research	Mar 2020	1.025 Q-4
61	A new similarity measure for collaborative filtering based recommender systems	Gazdar, A (Gazdar, Achraf)[1]	[1] King Saud Univ, Dept Software Engn, Coll Comp & Informat Syst,	Knowledge-Based Systems	Jan 2020	5.921 Q-1

		Hidri, L (Hidri, Lotfi)[2]	Riyadh, Saudi Arabia [2] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia			
62	An Exact Method and Ant Colony Optimization for Single Machine Scheduling Problem With Time Window Periodic Maintenance	Qamhan, AA (Qamhan, Ammar A.)[1] Ahmed, A (Ahmed, Aref)[1] Al-Harkan, IM (Al-Harkan, Ibrahim M.)[1] Badwelan, A (Badwelan, Ahmed)[1] Al-Samhan, AM (Al-Samhan, Ali M.)[1] Hidri, L (Hidri, Lotfi)[1]	[1] King Saud Univ, Dept Ind Engn, Riyadh 11451, Saudi Arabia	IEEE Access	2020	3.745 Q-1
63	Effects of Lifting Method, Safety Shoe Type, and Lifting Frequency on Maximum Acceptable Weight of Lift, Physiological Responses, and Safety Shoes Discomfort Rating	Alferdaws, FF (Alferdaws, Fares F.)[1] Ramadan, MZ (Ramadan, Mohamed Z.)[1]	[1] King Saud Univ, Fac Engn, Ind Engn Dept	International Journal of Environmental Research And Public Health	May 2020	2.849 Q-1
64	Determining the time needed for workers to acclimatize to hypoxia	Ghaleb, AM (Ghaleb, Atef M.)[1] Ramadan, MZ (Ramadan, Mohamed Z.)[1] Badwelan, A (Badwelan, Ahmed)[1] Mansour, L (Mansour, Lamjed)[2] Al-Tamimi, J (Al-Tamimi,	[1] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Coll Sci, Dept Zool, Saudi Arabia [3] King Saud Univ, Coll Sport Sci & Phys Act, Dept Exercise Physiol, Riyadh, Saudi Arabia	International Journal of Biometeorology	Aug 2020	2.68 Q-2

		Jameel)[2] Aljaloud, KS (Aljaloud, Khalid Saad)[3]				
65	Development and Experimental Verification of an Ergonomic Backpack	Ramadan, MZ (Ramadan, Mohamed Z.)[1] Al-Tayyar, SN (Al-Tayyar, Sultan N.)(1]	[1] King Saud Univ, Ind Engn Dept	Biomed Research International	May 2020	2.276 Q-3
66	Development and Investigation of a Wearable Aid for a Load Carriage Task	Alabdulkarim, SA (Alabdulkarim, Saad A.)(1] Farhan, AM (Farhan, Abdulsalam M.)(1] Ramadan, MZ (Ramadan, Mohamed Z.)(1]	[1] King Saud Univ, Dept Ind Engn, Coll Engn	International Journal of Environmental Research And Public Health	Feb 2020	2.849 Q-1
67	Effect of hypoxia, safety shoe type, and lifting frequency on cardiovascular and ventilation responses	Ghaleb, AM (Ghaleb, Atef M.)(1] Ramadan, MZ (Ramadan, Mohamed Z.)(1] Mansour, L (Mansour, Lamjed)[2] Al-Tamimi, J (Al-Tamimi, Jameel)[2] Aljaloud, KS (Aljaloud, Khalid Saad)[3]	[1] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia [2] King Saud Univ, Zool Dept, Coll Sci, Saudi Arabia [3] King Saud Univ, Dept Exercise Physiol, Coll Sport Sci & Phys Act, Riyadh, Saudi Arabia	International Journal of Industrial Ergonomics	Nov 2020	1.662 Q-3
68	Effects of a Wearable Carriage Aid on Whole-Body Physiological Measures and Balance	abdulkarim, SA (Alabdulkarim, Saad A.)(1] Farhan, AM (Farhan, Abdulsalam M.)(1] Ramadan, MZ (Ramadan,	[1] King Saud Univ, Coll Engn, Ind Engn Dept	Applied Sciences-Basel	Nov 2020	2.474 Q-2

		Mohamed Z.)(1]				
69	An Integrated Decision-Making Approach for Cause-And-Effect Analysis of Sustainable Manufacturing Indicators	Bhanot, N (Bhanot, Neeraj)[1] Qaiser, FH (Qaiser, Fahham Hasan)[2] Alkahtani, M (Alkahtani, Mohammed)[3] Rehman, AU (Rehman, Ateekh Ur)[3]	[1] Indian Inst Management Amritsar, Quantitat Methods & Operat Management, Amritsar 143105, Punjab, India [2] Loughborough Univ, Sch Business & Econ, Loughborough LE11 3TU, Leics, England [3] King Saud Univ, Coll Engn, Dept Ind Engn	Sustainability	Feb 2020	2.576 Q-2
70	Impact of Sloshing on Fossil Fuel Loss during Transport	Mir, H (Mir, Hafsa)[1] Ratlamwala, TAH (Ratlamwala, Tahir Abdul Hussain)[2] Hussain, G (Hussain, Ghulam)[3] Alkahtani, M (Alkahtani, Mohammed)[4,5] Abidi, MH (Abidi, Mustufa Haider)[5]	[1] SZABIST, Dept Mechatron Engn, Karachi 75600, Pakistan [2] Natl Univ Sci & Technol, Dept Engn Sci, Islamabad 44000, Pakistan [3] GIK Inst Engn Sci & Technol, Fac Mech Engn, Topi 23640, Pakistan [4] King Saud Univ, Ind Engn Dept, Coll Engn [5] King Saud Univ, Adv Mfg Inst	Energies	May 2020	2.702 Q-3
71	Experimental Investigations on the Effects of Rotational Speed on Temperature and Microstructure Variations in Incremental Forming of T6-Tempered and Annealed AA2219 Aerospace Alloy	Riaz, AA (Riaz, Asim Ahmad)[1] Ullah, N (Ullah, Naveed)[1] Hussain, G (Hussain, Ghulam)[2] Alkahtani, M (Alkahtani, Mohammed)[3,4]	[1] Univ Engn & Technol, Dept Mech Engn, Peshawar 25000, Pakistan [2] GIK Inst Engn Sci & Technol, Fac Mech Engn, Swabi 23640, Pakistan [3] King Saud Univ, Coll Engn, Ind Engn Dept	Metals	Jun 2020	2.117 Q-1

		Khan, MN (Khan, Muhammad Naeem)[1] Khan, S (Khan, Shaukat)[2]	[4] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engr RCSE Chair			
72	Post-Forming Mechanical Properties of a Polymer Sheet Processed by Incremental Sheet Forming: Insights into Effects of Plastic Strain, and Orientation and Size of Specimen	Wei, HY (Wei, Hongyu)[1] Hussain, G (Hussain, Ghulam)[2] Heidarshenas, B (Heidarshenas, Behzad)[1] Alkahtani, M (Alkahtani, Mohammed)[3,4]	[1] Nanjing Univ Aeronaut & Astronaut, Coll Mech & Elect Engr, Nanjing 210016, Peoples R China [2] Ghulam Ishaq Khan Inst Engr Sci & Technol, Topi 23640, Pakistan [3] King Saud Univ, Coll Engr, Ind Engr Dept [4] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engr RCSE Chair	Polymers	Sep 2020	3.426 Q-1
73	Formability of Materials with Small Tools in Incremental Forming	Wei, HY (Wei, Hongyu)[1] Hussain, G (Hussain, G.)[2] Shi, X (Shi, X.)[3] Isidore, BBL (Isidore, B. B. L.)[4] Alkahtani, M (Alkahtani, Mohammed)[5,6] Abidi, MH (Abidi, Mustufa Haider)[6]	[1] Nanjing Univ Aeronaut & Astronaut, Coll Mech & Elect Engr, Nanjing, Peoples R China [2] GIK Inst Engr Sci & Technol, Fac Mech Engr, Topi 23460, Pakistan [3] Shanghai Univ Engr Sci, Coll Mech Engr, Shanghai, Peoples R China [4] Bradenburg Univ Technol, Cottbus, Germany [5] King Saud Univ, Coll Engr, Ind Engr Dept [6] King Saud Univ, Adv Mfg Inst	Chinese Journal of Mechanical Engineering	Aug 2020	1.824 Q-3

74	Characterization of residual stresses in an asymmetrical shape produced through incremental forming	Rashid, H (Rashid, H.)[1] Hussain, G (Hussain, G.)[1] Rehman, K (Rehman, K.)[1] Khan, S (Khan, S.)[1] Alkahtani, M (Alkahtani, Mohammed)[2,3] Abidi, MH (Abidi, Mustufa Haider)[3]	[1] GIK Inst Engn Sci & Technol, Fac Mech Engn, Swabi, Pakistan [2] King Saud Univ, Coll Engn, Ind Engn Dept [3] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE	CIRP Journal of Manufacturing Science and Technology	Nov 2020	2.991 Q-2
75	On the Effects of Process Parameters and Optimization of Interlaminar Bond Strength in 3D Printed ABS/CF-PLA Composite	Ahmed, SW (Ahmed, Syed Waqar)[1] Hussain, G (Hussain, Ghulam)[2] Altaf, K (Altaf, Khurram)[1] Ali, S (Ali, Sadaqat)[3] Alkahtani, M (Alkahtani, Mohammed)[4,5] Abidi, MH (Abidi, Mustufa Haider)[5] Alzabidi, A (Alzabidi, Ayoub)[4]	[1] Univ Teknol Petronas, Dept Mech Engn, Perak Darul Ridzuan 32610, Malaysia [2] Ghulam Ishaq Khan Inst Engn Sci & Technol, Fac Mech Engn, Topi 23640, Pakistan [3] Natl Univ Sci & Technol, Dept Mech Engn, Islamabad 44000, Pakistan [4] King Saud Univ, Coll Engn, Ind Engn Dept [5] King Saud Univ, Adv Mfg Inst	Polymers	Sep 2020	3.426 Q-1
76	Influence of Forming Parameters on the Mechanical Behavior of a Thin Aluminum Sheet Processed through Single Point Incremental Forming	Ilyas, M (Ilyas, Muhammad)[1] Hussain, G (Hussain, Ghulam)[1] Rashid, H (Rashid, Haris)[1] Alkahtani, M (Alkahtani, Mohammed)[2]	[1] GIK Inst Engn Sci & Technol, Fac Mech Engn, Topi 23460, Pakistan [2] King Saud Univ, Coll Engn, Dept Ind Engn	Metals	Nov 2020	2.117 Q-1

77	An Agricultural Products Supply Chain Management to Optimize Resources and Carbon Emission Considering Variable Production Rate: Case of Nonperishable Corps	Alkahtani, M (Alkahtani, Mohammed)[1] Omair, M (Omair, Muhammad)[2] Khalid, QS (Khalid, Qazi Salman)[2] Hussain, G (Hussain, Ghulam)[3] Sarkar, B (Sarkar, Biswajit)[4]	[1] King Saud Univ, Dept Ind Engn, Coll Engn [2] Univ Engn & Technol, Dept Ind Engn, Jalozai Campus, Peshawar 25000, Pakistan [3] GIK Inst Engn Sci & Technol, Fac Mech Engn, Topi 23460, Pakistan [4] Yonsei Univ, Dept Ind Engn, 50 Yonsei Ro, Seoul 03722, South Korea	Processes	Nov 2020	2.753 Q-2
78	Techno-Economic Analysis of Glazed, Unglazed and Evacuated Tube Solar Water Heaters	Raza, SA (Raza, Syed Ali)[1] Ahmad, SS (Ahmad, Syed Sulman)[1] Ratlamwala, TAH (Ratlamwala, Tahir Abdul Hussain)[1] Hussain, G (Hussain, Ghulam)[2] Alkahtani, M (Alkahtani, Mohammed)[3]	[1] Natl Univ Sci & Technol, Dept Engn Sci, Islamabad 44000, Pakistan [2] GIK Inst Engn Sci & Technol, Fac Mech Engn, Topi 23640, Pakistan [3] King Saud Univ, Coll Engn, Dept Ind Engn	Energies	Dec 2020	2.702 Q-3
79	An Enhanced Deep Neural Network for Predicting Workplace Absenteeism	Shah, SAA (Ali Shah, Syed Atif)[1] Uddin, I (Uddin, Irfan)[2] Aziz, F (Aziz, Furqan)[3] Ahmad, S (Ahmad, Shafiq)[4] Al-Khasawneh, MA (Al-Khasawneh, Mahmoud Ahmad)[5]	[1] Northern Univ, Fac Engn & Informat Technol, Nowshehra, Pakistan [2] Kohat Univ Sci & Technol, Inst Comp, Kohat, Pakistan [3] IMSciences, Ctr Excellence IT, Peshawar, Pakistan [4] King Saud Univ, Coll Engn,	Complexity	Feb 2020	2.462 Q-2

		Sharaf, M (Sharaf, Mohamed)[6]	Dept Ind Engn [5] Al Madinah Int Univ, Fac Comp & Informat Technol, Kuala Lumpur, Malaysia [6] King Saud Univ, Coll Engn, Dept Ind Engn			
80	Summarizing Online Movie Reviews: A Machine Learning Approach to Big Data Analytics	Khan, A (Khan, Atif)[1] Gul, MA (Gul, Muhammad Adnan)[1] Uddin, MI (Uddin, M. Irfan)[2] Shah, SAA (Shah, Syed Atif Ali)[3] Ahmad, S (Ahmad, Shafiq)[4] Al Firdausi, MD (Al Firdausi, Muhammad Dzulqarnain)[4] Zaindin, M (Zaindin, Mazen)[5]	[1] Islamia Coll Peshawar, Dept Comp Sci, Peshawar, Pakistan [2] Kohat Univ Sci & Technol, Inst Comp, Kohat, Pakistan [3] Northern Univ, Fac Engn & Informat Technol, Nowshera, Pakistan [4] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia [5] King Saud Univ, Coll Sci, Dept Stat & Operat Res, Riyadh, Saudi Arabia	Scientific Programming	Aug 2020	0.963 Q-4
81	Reversible data hiding techniques with high message embedding capacity in images	Aziz, F (Aziz, Furqan)[1,2] Ahmad, T (Ahmad, Taeab)[1] Malik, AH (Malik, Abdul Haseeb)[3] Uddin, MI (Uddin, M. Irfan)[4] Ahmad, S (Ahmad, Shafiq)[5] Sharaf, M (Sharaf, Mohamed)[5]	[1] Inst Management Sci, Ctr Excellence IT, Peshawar, Pakistan [2] Univ Birmingham, Ctr Computat Biol, Birmingham, W Midlands, England [3] Univ Peshawar, Dept Comp Sci, Peshawar, Pakistan [4] Kohat Univ Sci & Technol, Inst Comp, Kohat, Pakistan [5] King Saud Univ, Coll Engn,	Plos One	May 2020	2.74 Q-2

			Dept Ind Engn, Riyadh, Saudi Arabia			
82	Machine Learning Approach for Answer Detection in Discussion Forums: An Application of Big Data Analytics	Khan, A (Khan, Atif)[1] Ibrahim, I (Ibrahim, Ibrahim)[1] Uddin, MI (Uddin, M. Irfan)[2] Zubair, M (Zubair, Muhammad)[1] Ahmad, S (Ahmad, Shafiq)[3] Al Firdausi, MD (Al Firdausi, Muhammad Dzulqarnain)[3] Zaindin, M (Zaindin, Mazen)[4]	[1] Islamia Coll Peshawar, Dept Comp Sci, Peshawar, Pakistan [2] Kohat Univ Sci & Technol, Inst Comp, Kohat, Pakistan [3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia [4] King Saud Univ, Coll Sci, Dept Stat & Operat Res, Riyadh, Saudi Arabia	Scientific Programming	May 2020	0.963 Q-4
83	Xbee-Based WSN Architecture for Monitoring of Banana Ripening Process Using Knowledge-Level Artificial Intelligent Technique	Altaf, S (Altaf, Saud)[1] Ahmad, S (Ahmad, Shafiq)[2] Zaindin, M (Zaindin, Mazen)[3] Soomro, MW (Soomro, Muhammad Waseem)[4]	[1] Pir Mehr Ali Shah Arid Agr Univ Rawalpindi, Univ Inst Informat Technol, Rawalpindi 48312, Pakistan [2] King Saud Univ, Dept Ind Engn, Riyadh 11451, Saudi Arabia [3] King Saud Univ, Dept Stat & Operat Res, Riyadh 11451, Saudi Arabia [4] Manukau Inst Technol, Auckland 2023, New Zealand	Sensors	Jul 2020	3.275 Q-1
84	Biomaterial-Induced Stable Resistive Switching Mechanism in TiO ₂ Thin Films: The Role of Active Interstitial Sites/Ions in Minimum Current Leakage and Superior Bioactivity	Abbasi, MS (Abbasi, Misbah Sehar)[3] Irshad, MS (Irshad, Muhammad Sultan)[4] Arshad, N (Arshad, Naila)[5]	[1] COMSATS Univ Islamabad, Energy Res Ctr, Lahore 54000, Pakistan [2] COMSATS Univ Islamabad, Dept Phys, Lahore 54000, Pakistan [3] Xian Jiaotong Univ XJTU, Sch	ACS Omega	Aug 2020	2.87 Q-2

		Ahmed, I (Ahmed, Iftikhar)[1] Idrees, M (Idrees, Muhammad)[2] Ahmad, S (Ahmad, Shafiq)[6] Wei, Z (Wei, Zhou)[4] Sharaf, M (Sharaf, Mohamed)[6] Al Firdausi, MD (Al Firdausi, Muhammad Dzulqarnain)[6]	Energy & Power Engn, Xian 710049, Peoples R China [4] Hubei Univ, Sch Mat Sci & Engn, Minist Educ, Key Lab Green Preparat & Applicat Funct Mat, Wuhan 430062, Peoples R China [5] Xi An Jiao Tong Univ, Sch Sci, Inst Quantum Opt & Quantum Informat, Xian 710049, Peoples R China [6] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11564, Saudi Arabia			
85	Low-cost green recyclable biomaterial for energy-dependent electrical switching and intact biofilm with antibacterial properties	Irshad, MS (Irshad, Muhammad Sultan)[1] Arshad, N (Arshad, Naila)[2] Ahmed, I (Ahmed, Iftikhar)[3] Abbasi, MS (Abbasi, Misbah Sehar)[4] Idrees, M (Idrees, Muhammad)[5] Ahmad, S (Ahmad, Shafiq)[6] Sharaf, M (Sharaf, Mohamed)[6] Asghar, MS (Asghar, Muhammad Sohail)[7] Zaindin, M (Zaindin, Mazen)[6]	[1] Hubei Univ, Sch Mat Sci & Engn, Key Lab Green Preparat & Applicat Funct, Minist Of Educ, Wuhan 430062, Peoples R China [2] Xian Jiaotong Univ XJTU, Sch Sci, Inst Quantum Opt & Quantum Informat, Xian 710049, Peoples R China [3] COMSATS Univ Islamabad, Energy Res Ctr, Lahore Campus, Lahore 54000, Pakistan [4] Xian Jiaotong Univ XJTU, Sch Energy & Power Engn, Xian 710049, Peoples R China [5] COMSATS Univ Islamabad, Dept Phys, Lahore Campus, Lahore 54000, Pakistan [6] King Saud Univ, Coll Engn,	Scientific Reports	Sep 2020	3.998 Q-1

			Dept Ind Engn, Riyadh, Saudi Arabia [7] Univ Wah, Dept Phys, Wah Cantt 47040, Pakistan			
86	A Robust Adaptive Overcurrent Relay Coordination Scheme for Wind-Farm-Integrated Power Systems Based on Forecasting the Wind Dynamics for Smart Energy Systems	Rizwan, M (Rizwan, Mian)[1,2] Hong, LC (Hong, Lucheng)[1] Waseem, M (Waseem, Muhammad)[3,4] Ahmad, S (Ahmad, Shafiq)[5] Sharaf, M (Sharaf, Mohamed)[5] Shafiq, M (Shafiq, Muhammad)[6]	[1] Southeast Univ, Jiangsu Prov Key Lab Smart Grid Technol & Equipme, Nanjing 210000, Peoples R China [2] Univ Gujrat, Dept Elect Engn, Gujrat 50700, Pakistan [3] Zhejiang Univ, Dept Elect Engn, Hangzhou 310027, Peoples R China [4] Univ Engn & Technol, Dept Elect Engn, Taxila 47080, Pakistan [5] King Saud Univ, Dept Ind Engn, Coll Engn [6] Yeungnam Univ, Dept Informat & Commun Engn, Gyongsan 38541, South Korea	Applied Sciences-Basel	Sep 2020	2.474 Q-2
87	A Novel Switched-Capacitor Multilevel Inverter Topology for Energy Storage and Smart Grid Applications	Hussan, MR (Hussan, Md Reyaz)[1] Sarwar, A (Sarwar, Adil)[1] Siddique, MD (Siddique, Marif Daula)[2] Mekhilef, S (Mekhilef, Saad)[2,3] Ahmad, S (Ahmad, Shafiq)[4]	[1] Aligarh Muslim Univ, Dept Elect Engn, Aligarh 202002, Uttar Pradesh, India [2] Univ Malaya, Dept Elect Engn, Power Elect & Renewable Energy Res Lab, Kuala Lumpur 50603, Malaysia [3] Swinburne Univ Technol, Sch Software & Elect Engn, Melbourne,	Electronics	Oct 2020	2.412 Q-2

		Sharaf, M (Sharaf, Mohamed)[4] Zaindin, M (Zaindin, Mazen)[5] Firdausi, M (Firdausi, Muhammad)[4]	Vic 3122, Australia [4] King Saud Univ, Ind Engr Dept, Coll Engr [5] King Saud Univ, Coll Sci, Dept Stat & Operat Res			
88	A Voltage Multiplier Circuit Based Quadratic Boost Converter for Energy Storage Application	Ahmad, J (Ahmad, Javed)[1] Zaid, M (Zaid, Mohammad)[2] Sarwar, A (Sarwar, Adil)[2] Lin, CH (Lin, Chang-Hua)[1] Ahmad, S (Ahmad, Shafiq)[3] Sharaf, M (Sharaf, Mohamed)[3] Zaindin, M (Zaindin, Mazen)[4] Firdausi, M (Firdausi, Muhammad)[3]	[1] Natl Taiwan Univ Sci & Technol, Dept Elect Engr, 43 Keelung Rd, Sec 4, Taipei 10607, Taiwan [2] Aligarh Muslim Univ, Dept Elect Engr, ZHCET, Aligarh 202002, Uttar Pradesh, India [3] King Saud Univ, Coll Engr, Ind Engr Dept [4] King Saud Univ, Coll Sci, Dept Stat & Operat Res	Applied Sciences-Basel	Nov 2020	3.474 Q-2
89	A New High Voltage Gain DC to DC Converter with Low Voltage Stress for Energy Storage System Application	Ahmad, J (Ahmad, Javed)[1] Lin, CH (Lin, Chang-Hua)[1] Zaid, M (Zaid, Mohammad)[2] Sarwar, A (Sarwar, Adil)[2] Ahmad, S (Ahmad, Shafiq)[3] Sharaf, M (Sharaf, Mohamed)[3] Zaindin, M (Zaindin, Mazen)[4] Firdausi, M (Firdausi, Muhammad)[3]	[1] Natl Taiwan Univ Sci & Technol, Dept Elect Engr, 43, Keelung Rd, Sec 4, Taipei 10607, Taiwan [2] Aligarh Muslim Univ, Dept Elect Engr, ZHCET, Aligarh 202002, Uttar Pradesh, India [3] King Saud Univ, Dept Ind Engr, Coll Engr [4] King Saud Univ, Dept Stat & Operat Res, Coll Sci	Electronics	Dec 2020	2.412 Q-2

90	Super Hydrophilic Activated Carbon Decorated Nanopolymer Foam for Scalable, Energy Efficient Photothermal Steam Generation, as an Effective Desalination System	Arshad, N (Arshad, Naila)[1] Ahmed, I (Ahmed, Iftikhar)[2] Irshad, MS (Irshad, Muhammad Sultan)[3] Li, HR (Li, Hong Rong)[1] Wang, XB (Wang, Xianbao)[3] Ahmad, S (Ahmad, Shafiq)[4] Sharaf, M (Sharaf, Mohamed)[4] Firdausi, M (Firdausi, Muhammad)[4] Zaindin, M (Zaindin, Mazen)[5] Atif, M (Atif, Muhammad)[6]	[1] Xi An Jiao Tong Univ, Inst Quantum Opt & Quantum Informat, Sch Phys, Xian 710049, Peoples R China [2] COMSATS Univ, Energy Res Ctr, Lahore Campus, Islamabad 54000, Pakistan [3] Hubei Univ, Sch Mat Sci & Engn, Hubei Key Lab Polymer Mat, Minist Educ, Key Lab Green Preparat & Applicat Fun, Wuhan 430062, Peoples R China [4] King Saud Univ, Dept Ind Engn, Coll Engn [5] King Saud Univ, Dept Stat & Operat Res, Coll Sci [6] King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh 11451, Saudi Arabia	Nanomaterials	Online Dec 2020	4.324 Q-2
91	Linear Discriminant based Dynamic Indoor Localization using Bluetooth Low Energy (BLE)	Subhan, F (Subhan, Fazli)[1] Saleem, S (Saleem, Sajid)[1] Bari, H (Bari, Haseeb)[1] Khan, WZ (Khan, Wazir Zada)[2] Hakak, S (Hakak, Saqib)[3] Ahmad, S (Ahmad, Shafiq)[4] El-Sherbeeny, AM (El-Sherbeeny, Ahmed M.)(4]	[1] Natl Univ Modern Languages NUML, Dept Comp Sci, Islamabad 44000, Pakistan [2] Comsats Univ, Dept Comp Sci, Islamabad 44000, Pakistan [3] Univ New Brunswick, Fac Comp Sci, Canadian Inst Cybersecur, Fredericton, NB E3B 5A3, Canada [4] King Saud Univ, Coll Engn, Ind Engn Dept	Sustainability	Dec 2020	2.576 Q-2

92	An Approach of CAD/CAM Data Reuse for Manufacturing Cost Estimation	Letaief, MB (Letaief, Montasser Billah)[1] Tlija, M (Tlija, Mehdi)[2,3] Louhichi, B (Louhichi, Borhen)[1]	[1] Univ Sousse, Natl Engn Sch Sousse Lms Eniso, Mech Lab Sousse, Sousse, Tunisia [2] Univ Monastir, Natl Engn Sch Monastir LGM ENIM, Mech Engn Lab, Monastir, Tunisia [3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	International Journal of Computer Integrated Manufacturing	Sep 2020	2.861 Q-2
93	On Multi-step Look-ahead Deadlock Prediction for Automated Manufacturing Systems Based on Petri Nets	Lin, RF (Lin, Rongfeng)[1] Yu, ZH (Yu, Zhenhua)[2] Shi, XN (Shi, Xiaonan)[2] Dong, LH (Dong, Lihong)[2] Nasr, EA (Nasr, Emad Abouel)[3]	[1] Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R China [2] Xian Univ Sci & Technol, Inst Syst Secur & Control, Coll Comp Sci & Technol, Xian 710054, Peoples R China [3] King Saud Univ, Ind Engn Dept, Coll Engn	Ieee Access	2020	3.745 Q-1
94	Effect of Conical Strip Inserts and ZrO ₂ /DI-Water Nanofluid on Heat Transfer Augmentation: An Experimental Study	Shajahan, MI (Shajahan, Mohamed Iqbal)[1] Michael, JJ (Michael, Jee Joe)[2] Arulprakasajothi, M (Arulprakasajothi, M.)[1] Suresh, S (Suresh, Sivan)[3] Nasr, EA (Nasr, Emad Abouel)[4,5] Hussein, HMA (Hussein, H. M. A.)[5]	[1] Vel Tech Rangarajan Dr Sagunthala R&D Inst Sci &, Dept Mech Engn, Chennai 600062, Tamil Nadu, India [2] Indian Inst Technol, Dept Energy Sci & Engn, Mumbai 400076, Maharashtra, India [3] Natl Inst Technol Tiruchirappalli, Dept Mech Engn, Tiruchirappalli 620015, Tamil Nadu, India [4] King Saud Univ, Fac Engn,	Energies	Sep 2020	2.702 Q-3

			Dept Ind Engn [5] Helwan Univ, Fac Engn, Dept Mech Engn, Cairo 11732, Egypt			
95	A Heuristic Angular Clustering Framework for Secured Statistical Data Aggregation in Sensor Networks	Krishnasamy, L (Krishnasamy, Lalitha)[1] Dhanaraj, RK (Dhanaraj, Rajesh Kumar)[2] Gopal, DG (Gopal, D. Ganesh)[2] Gadekallu, TR (Gadekallu, Thippa Reddy)[3] Aboudaif, MK (Aboudaif, Mohamed K.)(4] Nasr, EA (Nasr, Emad Abouel)[5]	[1] Kongu Engn Coll, Dept IT, Erode 638060, Tamil Nadu, India [2] Galgotias Univ, Sch Comp Sci & Engn, Greater Noida 203201, Uttar Pradesh, India [3] VIT Vellore, Sch Informat Technol & Engn, Vellore 632014, Tamil Nadu, India [4] King Saud Univ, Adv Mfg Inst [5] King Saud Univ, Coll Engn, Ind Engn Dept	Sensors	2020	3.275 Q-1
96	Prediction and Analysis of Multi-Response Characteristics on Plasma Arc Cutting of Monel 400™ Alloy Using Mamdani-Fuzzy Logic System and Sensitivity Analysis	Rajamani, D (Rajamani, Devaraj)[1] Nasr, EA (Nasr, Emad Abouel)[2,3] Esakki, B (Esakki, Balasubramanian)[1] Kasi, A (Kasi, Ananthakumar)[4] Mohamed, H (Mohamed, Hussein)[3]	[1] Vel Tech Rangarajan Dr Sagunthala R&D Inst Sci &, Ctr Autonomous Syst Res, Dept Mech Engn, Chennai 600062, Tamil Nadu, India [2] King Saud Univ, Coll Engn, Dept Ind Engn [3] Helwan Univ, Fac Engn, Dept Mech Engn, Cairo 11732, Egypt [4] Karpagam Coll Engn, Dept Mech Engn, Coimbatore 641032, Tamil Nadu, India	Materials	Aug 2020	3.057 Q-2
97	Radial Versus Cartesian Control Strategies to Stabilize the Nonlinear	Saeed, NA (Saeed, Nasser	[1] Menoufia Univ, Fac Elect Engn, Dept Phys & Engn Math, Menoufia	IEEE Access	2020	3.745 Q-1

	Whirling Motion of the Six-Pole Rotor-AMBs	A.)[1] Awwad, EM (Awwad, Emad Mahrous)[2,3] El-Meligy, MA (El-Meligy, Mohammed A.)[4] Nasr, ESA (Nasr, Emad S. Abouel)[5,6]	32952, Egypt [2] King Saud Univ, Coll Engn, Dept Elect Engn [3] Menoufia Univ, Fac Elect Engn, Dept Ind Elect & Control Engn, Menoufia 32952, Egypt [4] King Saud Univ, Adv Mfg Inst [5] King Saud Univ, Coll Engn, Dept Ind Engn [6] Helwan Univ, Fac Engn, Dept Mech Engn, Cairo 11732, Egypt			
98	Driving Conditions of New Energy Logistics Vehicles Using Big Data Technology	Mao, J (Mao, Jia)[1] Hong, D (Hong, Dou)[1] Ren, RW (Ren, Runwang)[1] Li, XY (Li, Xiangyu)[2] Wang, J (Wang, Ju)[3] Nasr, ESA (Nasr, Emad S. Abouel)[4,5]	[1] Jilin Univ, Sch Transportat, Changchun 130025, Peoples R China [2] Jilin Univ, Coll Automot Engn, Changchun 130025, Peoples R China [3] Jilin Univ, Coll New Energy & Environm, Changchun 130012, Peoples R China [4] King Saud Univ, Ind Engn Dept, Coll Engn, Riyadh 12372, Saudi Arabia [5] Helwan Univ, Mech Engn Dept, Fac Engn, Cairo, Egypt	IEEE Access	2020	3.745 Q-1
99	Effective Sequestration of Phosphate and Ammonium Ions by the BentoniteZeolite Na-P Composite as a Simple Technique to Control the Eutrophication Phenomenon:	Abukhadra, MR (Abukhadra, Mostafa R.)[1,2] Ali, SM (Ali, Samar	[1] Beni Suef Univ, Fac Sci, Geol Dept, Bani Suwayf 62511, Egypt [2] Beni Suef Univ, Fac Sci, Geol Dept, Mat Technol & Their	ACS Omega	Jun 2020	2.87 Q-2

	Realistic Studies	Mohamed)[2,3] Nasr, EA (Nasr, Emad Abouel)[4,5] Mahmoud, HAA (Mahmoud, Haitham Abbas Ahmed)[4,5] Awwad, EM (Awwad, Emad Mahrous)[6]	Applicat Lab, Bani Suwayf 62511, Egypt [3] Beni Suef Univ, Fac Sci, Chem Dept, Bani Suwayf 62511, Egypt [4] King Saud Univ, Coll Engn, Ind Engn Dept [5] Helwan Univ, Fac Engn, Mech Engn Dept, Cairo 11732, Egypt [6] King Saud Univ, Coll Engn, Elect Engn Dept			
100	Economic Maintenance Planning of Complex Systems Based on Discrete Artificial Bee Colony Algorithm	Chen, ZF (Chen, Zhaofang)[1,2] Zhang, LL (Zhang, Lele)[3] Tian, GD (Tian, Guangdong)[1] Nasr, EA (Nasr, Emad Abouel)[4,5]	[1] Shandong Univ, Sch Mech Engn, Jinan 250061, Peoples R China [2] Fujian Univ Technol, Management Coll, Fuzhou 350118, Peoples R China [3] Jilin Univ, Transportat Coll, Changchun 130022, Peoples R China [4] King Saud Univ, Ind Engn Dept, Coll Engn [5] Helwan Univ, Fac Engn, Mech Engn Dept, Cairo 11732, Egypt	IEEE Access	2020	3.745 Q-1
101	Rotary Ultrasonic Machining of Alumina Ceramic: An Experimental Investigation of Tool Path and Tool Overlapping	Abdo, BMA (Abdo, Basem M. A.)[1,2] El-Tamimi, A (El-Tamimi, Abdualziz)[2] Nasr, EA (Nasr, Emad	[1] King Saud Univ, Adv Mfg Inst [2] King Saud Univ, Coll Engn, Ind Engn Dept	Applied Sciences-Basel	Mar 2020	2.474 Q-2

		Abouel)[2]				
102	Optimal scheduling of reconfigurable grids considering dynamic line rating constraint	Mohamed, MA (Mohamed, Mohamed A.)[1] Awwad, EI (Awwad, Emad Ibn Mahrous)[2] El-Sherbeeney, AM (El-Sherbeeney, Ahmed M.)[3] Nasr, EA (Nasr, Emad Abouel)[3] Ali, ZM (Ali, Ziad M.)[4,5]	[1] Menia Univ, Fac Engn, Elect Engn Dept, Al Minya 61519, Egypt [2] King Saud Univ, Coll Engn, Elect Engn Dept [3] King Saud Univ, Coll Engn, Ind Engn Dept [4] Prince Sattam Bin Abdulaziz Univ, Coll Engn Wadi Addawaser, Wadi Addawaser 11991, Saudi Arabia [5] Aswan Univ, Fac Engn, Elect Engn Dept, Aswan 81542, Egypt	IET Generation Transmission & Distribution	May 2020	2.862 Q-2
103	Adaptive Consensus of Two Coupled Heterogeneous Networked Systems With Bidirectional Actions	Li, XB (Li, Xiaobo)[1] Nasr, ESA (Nasr, Emad S. Abouel)[2,3] El-Tamimi, AM (El-Tamimi, Abdulaziz Mohammed)[2] Li, ZW (Li, Zhiwu)[1,4]	[1] Xidian Univ, Sch Mechanolect Engn, Xian 710071, Peoples R China [2] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 12372, Saudi Arabia [3] Helwan Univ, Fac Engn, Mech Engn Dept, Cairo 11795, Egypt [4] Macau Univ Sci & Technol, Inst Syst Engn, Taipa 999078, Macao, Peoples R China	IEEE Access	2020	3.745 Q-1
104	Design and Deployment of E-Health System in Perspective of Developing Countries: Machine Learning Based Approach	Mohamad Afendee Mohamed [1] Saniat Rahman Zishan [2] Rabiul Ahasan [3]	[1] Universiti Sultan Zainal Abidin [2] American International University-Bangladesh [3] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 12372, Saudi	Journal of Medical Internet Research	Aug 2020	5.043 Q-1

		Chowdhury Akram Hossain [2] Siti Maryam Sharun [1]	Arabia			
105	Implementing an integrated maintenance management system for monitoring production lines: a case study for biscuit industry	Amrani, MA (Amrani, Mokhtar Ali)[1,2,3] Alhomdi, M (Alhomdi, Mansour)[4] Aswaidy, B (Aswaidy M, Badiea)[4] Ghaleb, AM (Ghaleb, Atef M.)[5] Al-Qubati, M (Al-Qubati, Mohyeddine)[2,6] Shameeri, M (Shameeri, Mutahar)[1]	[1] Taiz Univ, Ind Engn, Taizi, Yemen [2] Al Janad Univ Sci & Technol, Taizi, Yemen [4] Taiz Univ, Taizi, Yemen [5] King Saud Univ, Ind Engn, Riyadh, Saudi Arabia [6] Taiz Univ, Dept Phys, Taizi, Yemen	Journal of Quality in Maintenance Engineering	Oct 2020	Newly added to the list of ISI Journals Q-4
106	Evaluation of Self-Propelled Rotary Tool in the Machining of Hardened Steel Using Finite Element Models	Umer, U (Umer, Usama)[1] Kishawy, H (Kishawy, Hossam)[2] Abidi, MH (Abidi, Mustufa Haider)[1] Mian, SH (Mian, Syed Hammad)[1] Moiduddin, K (Moiduddin, Khaja)[1]	[1] King Saud Univ, Adv Mfg Inst [2] Univ Ontario Inst Technol, Machining Res Lab, Oshawa, ON L1G 0C5, Canada	Materials	Nov 2020	3.057 Q-2
107	Integrative and multi-disciplinary framework for the 3D rehabilitation of large mandibular defects	Moiduddin, K (Moiduddin, Khaja)[1] Mian, SH (Mian, Syed	[1] King Saud Univ, Adv Mfg Inst	International Journal of Advanced Manufacturing Technology	Feb 2020	2.633 Q-2

		Hammad)[1] Ahmed, N (Ahmed, Naveed)[1] Ameen, W (Ameen, Wadea)[1] Al-Khalefah, H (Al-Khalefah, Hisham)[1] Mohammed, MK (Mohammed, Muneer Khan)[1] Umer, U (Umer, Usama)[1]				
108	Tribological mechanisms of nano-cutting fluid minimum quantity lubrication: a comparative performance analysis model	Hegab, H (Hegab, H.)[1,2] Umer, U (Umer, U.)[3] Esawi, A (Esawi, A.)[4] Kishawy, HA (Kishawy, H. A.)[1]	[1] Ontario Tech Univ, Machining Res Lab, Oshawa, ON L1G0C5, Canada [2] Cairo Univ, Mech Design & Prod Engn, Giza 12613, Egypt [3] King Saud Univ, Adv Mfg Inst, Riyadh 11451, Saudi Arabia [4] Amer Univ Cairo, Dept Mech Engn, New Cairo 11835, Egypt	International Journal of Advanced Manufacturing Technology	Jun 2020	2.633 Q-2
109	Tool Performance Optimization While Machining Aluminium-Based Metal Matrix Composite	Umer, U (Umer, Usama)[1] Abidi, MH (Abidi, Mustufa Haider)[1] Abu Qudeiri, J (Abu Qudeiri, Jaber)[2] Alkhalefah, H (Alkhalefah, Hisham)[1] Kishawy, H (Kishawy, Hossam)[3]	[1] King Saud Univ, Adv Mfg Inst [2] United Arab Emirates Univ, Coll Engn, Mech Engn Dept, Al Ain 15551, U Arab Emirates [3] Univ Ontario Inst Technol, Machining Res Lab, Oshawa, ON L1G 0C5, Canada	Metals	Jun 2020	2.117 Q-1

110	Automated Maintenance Data Classification Using Recurrent Neural Network: Enhancement by Spotted Hyena-Based Whale Optimization	Abidi, MH (Abidi, Mustufa Haider)[1] Umer, U (Umer, Usama)[1] Mohammed, MK (Mohammed, Muneer Khan)[1] Aboudaif, MK (Aboudaif, Mohamed K.)(1] Alkhalefah, H (Alkhalefah, Hisham)[1]	[1] King Saud Univ, Adv Mfg Inst	Mathematics	Nov 2020	1.747 Q-1
111	Prognosis and Multiobjective Optimization of the Sampling Plan for Cylindricity Evaluation	Mian, SH (Mian, Syed Hammad)[1] Umer, U (Umer, Usama)[1] Abdulhameed, O (Abdulhameed, Osama)[2] Alkhalefah, H (Alkhalefah, Hisham)[1]	[1] King Saud Univ, Adv Mfg Inst [2] King Saud Univ, Coll Engn, Dept Ind Engn	Mathematical Problems In Engineering	Nov 2020	1.009 Q-3
112	Fuzzy Multicriteria Decision Mapping to Evaluate Implant Design for Maxillofacial Reconstruction	Moiduddin, K (Moiduddin, Khaja)[1] Mian, SH (Mian, Syed Hammad)[1] Umer, U (Umer, Usama)[1] Alkhalefah, H (Alkhalefah, Hisham)[1] Sayeed, A (Sayeed, Abdul)[2]	[1] King Saud Univ, Adv Mfg Inst [2] King Saud Univ, Coll Engn, Dept Mech Engn	Mathematics	Dec 2020	1.747 Q-1
113	Blockchain-base dsecu einformation sharing for supply chain management: Optimization assisted	Abidi, MH (Abidi, Mustufa Haider)[1] Alkhalefah, H (Alkhalefah,	[1] King Saud Univ, Adv Mfg Inst	International Journal of Intelligent Systems	Online pulished 13 Oct 2020	10.312 Q-1

	data sanitization process	Hisham)[1] Umer, U (Umer, Usama)[1] Mohammed, MK (Mohammed, Muneer Khan)[1]				
114	High Aspect Ratio Thin-Walled Structures in D2 Steel through Wire Electric Discharge Machining (EDM)	Ahmed, N (Ahmed, Naveed)[1] Naeem, MA (Naeem, Muhammad Ahmad)[2] Rehman, AU (Rehman, Ateekh Ur)[3] Rafaqat, M (Rafaqat, Madiha)[2] Umer, U (Umer, Usama)[4] Ragab, AE (Ragab, Adham E.)[3]	[1] Al Yamamah Univ, Coll Engn & Architecture, Ind Engn Dept, Riyadh 11512, Saudi Arabia [2] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore 54890, Pakistan [3] King Saud Univ, Coll Engn, Dept Ind Engn [4] King Saud Univ, Coll Engn, Adv Mfg Inst	Micromachines	Online Dec 2020	2.524 Q-3
115	Incidences and severity of wrist, hand, and finger injuries in the U.S. mining industry	Faisal M.Alessaa [c] Ashish D.Nimbarte [a] Eduardo M.Sosab[b]	[a] Department of Industrial and Management Systems Engineering, West Virginia University, Morgantown, WV 26506, USA [b] Department of Mechanical and Aerospace Engineering, West Virginia University, Morgantown, WV 26506-6106, USA [c] Industrial Engineering Department, College of Engineering, King Saud University, Riyadh, Saudi Arabia	Safety Science	Sep 2020	4.105 Q-1

Petroleum & Natural Gas Engineering Department

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	Geochemical and organic petrographic characteristics of high bituminous shales from Gurha mine in Rajasthan, NW India	Singh, AK (Singh, Alok K.)[1] Hakimi, MH (Hakimi, Mohammed Hail)[2] Kumar, A (Kumar, Alok)[1] Ahmed, A (Ahmed, Adeeb)[3] Abidin, NSZ (Abidin, Nor Syazwani Zainal)[4,5] Kinawy, M (Kinawy, Mostafa)[6] El Mahdy, O (El Mahdy, Osama)[6] Lashin, A (Lashin, Aref)[6]	[1] Rajiv Gandhi Inst Petr Technol, Petr Engn & Geol Sci Div, Jais 229304, Amethi, India [2] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [3] Bahria Univ, Dept Earth & Environm Sci, Islamabad 44000, Pakistan [4] Univ Teknol PETRONAS, Fac Sci & Informat Technol, Geosci Dept, Bandar Seri Iskandar 32610, Perak, Malaysia [5] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [6] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept	Scientific Reports	Dec 2020	3.998 Q-1
2	Organic geochemistry characterization of Late Jurassic bituminous shales and their organofacies and oil generation potential in the Shabwah depression, southeast Sabatayn, Yemen	Hakimi, MH (Hakimi, Mohammed Hail)[1] Al-Matary, AM (Al-Matary, Adel M.)[2] El-Mahdy, O (El-Mahdy, Osama)[3,4] Hatem, BA (Hatem, Baleid Ali)[5] Kahal, AY (Kahal, Ali Y.)[6] Lashin, A (Lashin, Aref)[3,7]	[1] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [2] Sanaa Univ, Dept Earth & Environm Sci, Sanaa, Yemen [3] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept [4] El Menia Univ, Coll Engn, El Menia, Egypt [5] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [6] King Saud Univ, Coll Sci, Geol & Geophys Dept, Riyadh, Saudi Arabia [7] Benha Univ, Fac Sci, Geol Dept, POB	Journal of Petroleum Science and Engineering	May 2020	3.706 Q-1

			13518, Banha, Egypt			
3	Thermogenic gas generation from organic-rich shales in the southeastern Say'un-Masila Basin, Yemen as demonstrated by geochemistry, organic petrology, and basin modeling	Hakimi, MH (Hakimi, Mohammed Hail)[1,2] Ahmed, A (Ahmed, Adeeb)[3] Mogren, S (Mogren, Saad)[4] Shah, SBA (Shah, Syed Bilawal Ali)[3] Kinawy, MM (Kinawy, Mostafa M.)[5] Lashin, AA (Lashin, Aref A.)[2,5]	[1] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [2] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [3] Bahria Univ, Dept Earth & Environm Sci, Islamabad 44000, Pakistan [4] King Saud Univ, Coll Sci, Dept Geol & Geophys, Saudi Arabia [5] King Saud Univ, Coll Engr, Petr & Nat Gas Engr Dept [6] Benha Univ, Fac Sci, Geol Dept, POB 13518, Banha, Egypt	Journal of Petroleum Science and Engineering	Sep 2020	3.706 Q-1
4	Optical and electrical characteristics of p-type AlN co-doped ZnO thin films synthesized by RF sputtering	Ismail, A (Ismail, A.)[1] Abdullah, MJ (Abdullah, M. J.)[2] Qaeed, MA (Qaeed, M. A.)[3] Khamis, MA (Khamis, Mohammed A.)[4,6] AL-Asbahi, BA (AL-Asbahi, Bandar Ali)[5] Qaid, SM (Qaid, Saif M.)[5,7] Farooq, WA (Farooq, W. A.)[5]	[1] Univ Hafr Al Batin, Dept Phys, Hafar al Batin 31991, Saudi Arabia [2] Univ Sains Malaysia, Sch Phys, George Town 11800, Malaysia [3] Univ Jeddah, Dept Phys, Fac Sci, Jeddah 11800, Saudi Arabia [4] King Saud Univ, Dept Petr & Nat Gas Engr, King, Saudi Arabia [5] King Saud Univ, Dept Phys & Astron, Coll Sci, King, Saudi Arabia [6] Sanaa Univ, Dept Phys, Fac Sci, Sanaa, Yemen [7] Ibb Univ, Dept Phys, Fac Sci, Ibb, Yemen	Journal of King Saud University Science	Nov 2020 (Online)	3.819 Q-2
5	Organic geochemistry indicates source-rock characteristics and hydrocarbon potential: A case study from Early Cretaceous Sembar	Ahmed, A (Ahmed, Adeeb)[1] Khan, T (Khan, Tahseenullah)[1]	[1] Bahria Univ, Dept Earth & Environm Sci, Islamabad 44000, Pakistan [2] Hydrocarbon Dev Inst Pakistan, Islamabad	Arabian Journal of Geosciences	Dec 2020	1.327 Q-4

	Formation, southern Indus Basin, Pakistan	Jahandad, S (Jahandad, Samina)[2] Hakimi, MH (Hakimi, Mohammed Hail)[3] Lashin, AA (Lashin, Aref A.) [4] Abidin, NSZ (Abidin, Nor Syazwani Z.)[5]	44000, Pakistan [3] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [4] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept [5] Univ Teknol Petronas, Fac Sci & Informat Technol, Geosci Dept, Bandar Seri Iskandar 32610, Perak, Malaysia			
6	Impact of authigenic iron oxides, clay content and grain size on the aquifer quality properties of the Cambrian-Ordovician Wajid Sandstone, southwest Saudi Arabia	Nabawy, BS (Nabawy, Bassem S.)[1] Ibrahim, E (Ibrahim, Elkhedr)[2,3] Kahal, A (Kahal, Ali)[2] Alfaifi, HJ (Alfaifi, Hussain J.)[2] Lashin, AA (Lashin, Aref A.) [4,5]	[1] Natl Res Ctr, Dept Geophys Sci, Cairo, Egypt [2] King Saud Univ, Coll Sci, Dept Geol & Geophys, Saudi Arabia [3] Mansoura Univ, Fac Sci, Geol Dept, Mansoura 35516, Egypt [4] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept [5] Benha Univ, Fac Sci, Geol Dept, POB 13518, Banha, Egypt	Journal of African Earth Sciences	Dec 2020	1.603 Q-3
7	Basin modelling and bulk kinetics of heterogeneous organic-rich Nyalau Formation sediments of the Sarawak Basin, Malaysia	Makeen, YM (Makeen, Yousif M.)[1,2] Hakimi, MH (Hakimi, Mohammed Hail)[2,3] Abdullah, WH (Abdullah, Wan Hasiah)[2] Mustapha, KA (Mustapha, Khairul Azlan)[2] Hassan, MHA (Hassan, Meor H. Amir)[2] Shushan, IE (Shushan, Ismail	[1] Jilin Univ, Coll Earth Sci, Changchun 130061, Peoples R China [2] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [3] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [4] Univ Al Mergib, Dept Geol & Environm Sci, Khoms, Libya [5] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept [6] Benha Univ, Fac Sci, Geol Dept, POB	Journal of Petroleum Science and Engineering	Dec 2020	3.706 Q-1

		Elforjani)[2,4] Garba, TE (Garba, Terfa Elijah)[2] Abujaish, YA (Abujaish, Yaman Ahmad)[2] Lashin, AA (Lashin, Aref A.) [5,6]	13518, Banha, Egypt			
8	Petrophysical analysis of Upper Qishn Clastic Member Reservoir, Tawila Oilfield, Yemen	Al-Johi, A (Al-Johi, Adel)[1] Ibrahim, E (Ibrahim, Elkhedr)[1] Mogren, S (Mogren, Saad)[1] Lashin, A (Lashin, Aref) [2,3]	[1] King Saud Univ, Dept Geol & Geophys, Coll Sci, Saudi Arabia [2] King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engr [3] Benha Univ, Geol Dept, Fac Sci, POB 13518, Banha, Egypt	Arabian Journal of Geosciences	Oct 2020	1.327 Q-4
9	Rock typing and hydraulic flow units as a successful tool for reservoir characterization of Bentiu-Abu Gabra sequence, Muglad basin, southwest Sudan	El Sawy, MZ (El Sawy, Marwa Z.)[1] Abuhagaza, AA (Abuhagaza, Abeer A.)[1] Nabawy, BS (Nabawy, Bassem S.)[2] Lashin, A (Lashin, Aref) [3,4]	[1] Egyptian Petr Res Inst, Dept Explorat, Cairo, Egypt [2] Natl Res Ctr, Dept Geophys Sci, Cairo, Egypt [3] King Saud Univ, Coll Engr, Petr & Nat Gas Engr Dept [4] Benha Univ, Fac Sci, Geol Dept, POB 13518, Banha, Egypt	Journal of African Earth Sciences	Nov 2020	1.603 Q-3
10	Geochemistry and oil-gas generation modeling of the Late Cretaceous shales from the Chad (Bornu) Basin, Northeast Nigeria	Adegoke, AK (Adegoke, Adebangi Kayode)[1] Hakimi, MH (Hakimi, Mohammed Hail)[2,3] Abdullah, WH (Abdullah, Wan Hasiah)[3] Ibrahim, E (Ibrahim, El-Khedr) [4]	[1] Ekiti State Univ, Dept Geol, PMB 5363, Ado Ekiti, Nigeria [2] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [3] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [4] King Saud Univ, Coll Sci, Geol & Geophys Dept, Riyadh, Saudi Arabia	Journal of Natural Gas Science and Engineering	Jul 2002	3.841 Q-2

		Yandoka, BMS (Yandoka, Babangida M. Sarki)[5] Al Faifi, H (Al Faifi, Hussain)[4] Lashin, A (Lashin, Aref)[6,7]	[5] Bayero Univ, Dept Geol, Kano, Nigeria [6] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept [7] Benha Univ, Fac Sci, Geol Dept, POB 13518, Banha, Egypt			
11	Evolution of petroleum generation and expulsion of the oil-source rock in the north-western Say'un-Masilah Basin as inferred from 1D basin models of a single well (Al-Qarn-01)	Hakimi, MH (Hakimi, Mohammed Hail)[1] Alaug, AS (Alaug, Abdulwahab S.)[1] Lashin, AA (Lashin, Aref A.)[2] Yahya, MMA (Yahya, Madyan M. A.)[1] Ismail, IM (Ismail, Ismail M.)[1] Al-Maghrabi, EA (Al-Maghrabi, Ekhlas A.)[1] Mogram, SA (Mogram, Shrook A.)[1]	[1] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [2] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, Riyadh, Saudi Arabia	Arabian Journal of Geosciences	Jun 2020	1.327 Q-4
12	Oil source rock characteristics of the pelagic carbonates in the Shabwah depression, southeastern Sabatayn Basin, Yemen	Hakimi, MH (Hakimi, Mohammed Hail)[1,2] Al-Matary, AM (Al-Matary, Adel M.)[3] Abdullah, WH (Abdullah, Wan Hasiah)[1] Ahmed, A (Ahmed, Adeeb)[4] Lashin, AA (Lashin, Aref A.)[5] Shah, SBA (Shah, Syed Bilawal	[1] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [2] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [3] Sanaa Univ, Dept Earth & Environm Sci, Sanaa, Yemen [4] Bahria Univ, Dept Earth & Environm Sci, Islamabad 44000, Pakistan [5] King Saud Univ, Coll Engn, Petr & Nat	Carbonates and Evaporites	Mar 2020	1.415 Q-2

		Ali)[1] Yahya, MMA (Yahya, Madyan M. A.)[2]	Gas Engn Dept			
13	Assessment of groundwater quality in Southern Saudi Arabia: case study of Najran area	Alfaifi, HJ (Alfaifi, Hussain Jaber)[1] Kahal, AY (Kahal, Ali Yahya)[1] Abdelrahman, K (Abdelrahman, Kamal)[1,2] Zaidi, FK (Zaidi, Faisal Kamal)[1] Albassam, A (Albassam, Abdulaziz)[1] Lashin, A (Lashin, Aref)[3]	[1] King Saud Univ, Dept Geol & Geophys, Riyadh, Saudi Arabia [2] Natl Res Inst Astron & Geophys, Seismol Dept, Cairo, Egypt [3] King Saud Univ, Coll Engn, Petr & Gas Engn Dept	Arabian Journal of Geosciences	Jan 2020	1.327 Q-4
14	Source rock evaluation and hydrocarbon generation potential of Mid-Late Cretaceous sediments from Mintaq-01 well in the Wadi Hajar of Southern Sabatayn Basin, Yemen	Hakimi, MH (Hakimi, Mohammed Hail)[1,2] Abdullah, WH (Abdullah, Wan Hasiah)[1] Al Faifi, HJ (Al Faifi, Hussain J.)[3] Mustapha, KA (Mustapha, Khairul Azlan)[1] Kahal, AY (Kahal, Ali Y.)[3] Lashin, AA (Lashin, Aref A.)[4,5]	[1] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [2] Taiz Univ, Fac Sci Appl, Dept Geol, Taizi, Yemen [3] King Saud Univ, Dept Geol & Geophys, Coll Sci, Riyadh, Saudi Arabia [4] King Saud Univ, Petr & Nat Gas Engn Dept, Coll Engn, Riyadh, Saudi Arabia [5] Benha Univ, Dept Geol, Fac Sci, Banha, Egypt	Petroleum Science and Technology	Feb 2020	0.976 Q-3
15	Geothermal energy for sustainable water resources management	Chandrasekharam, D (Chandrasekharam, D.)[1,2] Lashin, A (Lashin, A.)[3]	[1] India Inst Technol Hyderabad, Dept Civil Engn, Hyderabad, India [2] King Saud Univ, Geol & Geophys Dept, Riyadh, Saudi Arabia	International Journal of Green Energy	Jan 2020	1.388 Q-4

		Al Arifi, N (Al Arifi, Nassir)[4] Al-Bassam, AM (Al-Bassam, Abdulaziz M.)[5] Chandrasekhar, V (Chandrasekhar, Varun)[6]	[3] King Saud Univ, Dept Petr & Gas Engn, Riyadh, Saudi Arabia [4] King Saudi Univ, Coll Sci, Dept Geol & Geophys, Riyadh, Saudi Arabia [5] King Saud Univ, Dept Geol, Riyadh, Saudi Arabia [6] GeoSyndicate Power Pvt Ltd, Mumbai, Maharashtra, India			
16	Organic geochemistry of oil seeps from the Abu-Jir Fault Zone in the Al-Anbar Governorate, western Iraq: Implications for early-mature sulfur-rich source rock	Al-Khafaji, AJ (Al-Khafaji, Amer Jassim)[1] Hakimi, MH (Hakimi, Mohammed Hail)[2,3] Ibrahim, EK (Ibrahim, El-Khedr)[4] Najaf, AA (Najaf, Ahmed Askar)[5] Al Faifi, H (Al Faifi, Hussain)[4] Lashin, A (Lashin, Aref)[6]	[1] Univ Babylon, Coll Sci Women, Chem Dept, Al Hillah, Iraq [2] Univ Malaya, Dept Geol, Kuala Lumpur 50603, Malaysia [3] Taiz Univ, Fac Appl Sci, Geol Dept, Taizi 6803, Yemen [4] King Saud Univ, Coll Sci, Dept Geol & Geophys, Saudi Arabia [5] Al Karkh Univ Sci, Coll Geophys & Remote Sensing, Baghdad, Iraq [6] King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept	Journal of Petroleum Science and Engineering	Jan 2020	3.706 Q-1

Sustainable Energy Technology Centre)SET(

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	Recent developments of MPPT techniques for PV systems under partial shading conditions: a critical review and performance evaluation	Mostefa Kermadi [1] Zainal Salam [2] Ali M. Eltamaly [3, 4] Jubaer Ahmed [5] Saad Mekhilef [1, 6] Cherif Larbes [7] El Madjid Berkouk [8]	[1] Power Electronics and Renewable Energy Research Laboratory (PEARL), University of Malaya , Kuala Lumpur , Malaysia ; [2] Center of Electrical Energy System (CEES), School of Electrical Engineering, Universiti Teknologi Malaysia , Johor Bahru , Malaysia ; [3] Sustainable Energy Technologies Centre, College of Engineering, King Saud University , Riyadh , Saudi Arabia ; [4] Electrical Engineering Department, College of Engineering, Mansoura University , Mansoura , Egypt ; [5] Faculty of Engineering, Computing and Science, Swinburne University of Technology Sarawak , Kuching , Malaysia ; [6] School of Software and Electrical Engineering, Swinburne University of Technology , Victoria , Australia ; [7] Laboratory of Communication Devices and Photovoltaic Conversion (LDCCP), National Polytechnic School (ENP) , Algiers , Algeria ; [8] Laboratory of Process Control (LCP), National Polytechnic School (ENP) , Algiers , Algeria	IET Renewable Power Generation	Dec 2020	3.894 Q-2
2	An insight to the energy policy of GCC countries to meet renewable	Praveen, RP (Praveen, R. P.)[1] Keloth, V (Keloth, Vishnu)[2]	[1] Majmaah Univ, Dept Elect Engn, Coll Engn, Almajmaah 11952, Saudi Arabia	Energy Policy	Dec 2020	5.042 Q-1

	energy targets of 2030	Abo-Khalil, AG (Abo-Khalil, Ahmed G.)[1,3] Alghamdi, AS (Alghamdi, Ali S.)[1] Eltamaly, AM (Eltamaly, Ali M.)[4,5] Tlili, I (Tlili, Iskander)[6,7]	[2] SiliconIndia Magazine, Bengaluru 560017, Karnataka, India [3] Assiut Univ, Elect Engn Dept, Assiut 71515, Egypt [4] King Saud Univ, Sustainable Energy Technol Ctr [5] Mansoura Univ, Elect Engn Dept, Mansoura 35516, Egypt [6] Duy Tan Univ, Inst Res & Dev, Da Nang 550000, Vietnam [7] Duy Tan Univ, Fac Civil Engn, Da Nang 550000, Vietnam			
3	A novel scanning bat algorithm strategy for maximum power point tracker of partially shaded photovoltaic energy systems	Eltamaly, AM (Eltamaly, Ali M.)[1,2] Al-Saud, MS (Al-Saud, M. S.)[3] Abokhalil, AG (Abokhalil, Ahmed G.)[4]	[1] King Saud Univ, Sustainable Energy Technol Ctr [2] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt [3] King Saud Univ, Coll Engn, Elect Engn Dept [4] Majmaah Univ, Elect Engn Dept, Almajmaah 11952, Saudi Arabia	Ain Shams Engineering Journal	Dec 2020	1.949 Q-2
4	Wireless Network Architecture for Cyber Physical Wind Energy System	Ahmed, MA (Ahmed, Mohamed A.)[1,2] Eltamaly, AM (Eltamaly, Ali M.)[3,4,5] Alotaibi, MA (Alotaibi, Majed A.)[6] Alolah, AI (Alolah, Abdulrahman, I)[6] Kim, YC (Kim, Young-Chon)[7]	[1] Univ Tecn Federico Santa Maria, Dept Elect Engn, Valparaiso 2390123, Chile [2] Higher Inst Engn & Technol, Dept Commun & Elect, Alexandria 23713, Egypt [3] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur [4] King Saud Univ, Sustainable Energy Technol Ctr [5] Mansoura Univ, Elect Engn Dept,	IEEE Access	Dec 2020	3.745 Q-1

			Mansoura 35516, Egypt [6] King Saud Univ, Coll Engr, Dept Elect Engr [7] Jeonbuk Natl Univ, Dept Comp Engr, Jeonju 54896, South Korea			
5	Dynamic control of a DFIG wind power generation system to mitigate unbalanced grid voltage	Eltamaly, AM (Eltamaly, Ali M.)[1,2,3] Al-Saud, MS (Al-Saud, M. S.)[1,4] Abo-Khalil, AG (Abo-Khalil, Ahmed G.)[5,6]	[1] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur [2] King Saud Univ, Sustainable Energy Technol Ctr [3] Mansoura Univ, Elect Engr Dept, Mansoura 35516, Egypt [4] King Saud Univ, Coll Engr, Elect Engr Dept [5] Majmaah Univ, Coll Engr, Dept Elect Engr, Almajmaah 11952, Saudi Arabia [6] Assiut Univ, Coll Engr, Dept Elect Engr, Assiut 71515, Egypt	IEEE Access	2020	3.745 Q-1
6	A novel bat algorithm strategy for maximum power point tracker of photovoltaic energy systems under dynamic partial shading	Eltamaly, AM (Eltamaly, Ali M.)[1,2,3] Al-Saud, MS (Al-Saud, M. S.)[1,4] Abokhalil, AG (Abokhalil, Ahmed G.)[5,6]	[1] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur [2] King Saud Univ, Sustainable Energy Technol Ctr [3] Mansoura Univ, Elect Engr Dept, Mansoura 35516, Egypt [4] King Saud Univ, Coll Engr, Elect Engr Dept [5] Majmaah Univ, Elect Engr Dept, Al Majmaah 11952, Saudi Arabia	IEEE Access	2020	3.745 Q-1
7	Performance of Communication Network for Monitoring Utility	Eltamaly, AM (Eltamaly, Ali M.)[1,2,3]	[1] King Saud Univ, Sustainable Energy Technol Ctr	Energies	Nov 2020	2.702 Q-3

	Scale Photovoltaic Power Plants	Ahmed, MA (Ahmed, Mohamed A.)[4,5] Alotaibi, MA (Alotaibi, Majed A.)[6] Alolah, AI (Alolah, Abdulrahman, I)[6] Kim, YC (Kim, Young-Chon)[7]	[2] Mansoura Univ, Dept Elect Engn, Mansoura 35516, Egypt [3] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur [4] Univ Tecn Federico Santa Maria, Dept Elect Engn, Valparaiso 2390123, Chile [5] Higher Inst Engn & Technol King Marriott, Dept Commun & Elect, Alexandria 23713, Egypt [6] King Saud Univ, Coll Engn, Dept Elect Engn [7] Jeonbuk Natl Univ, Dept Comp Engn, Jeonju 561756, South Korea			
8	A sensorless wind speed and rotor position control of PMSG in wind power generation systems	Abo-Khalil, AG (Abo-Khalil, Ahmed G.)[1,2] Eltamaly, AM (Eltamaly, Ali M.)[3,4,5] Praveen, RP (Praveen, R. P.)[1] Alghamdi, AS (Alghamdi, Ali S.)[1] Tlili, I (Tlili, Iskander)[6]	[1] Majmaah Univ, Dept Elect Engn, Coll Engn, Almajmaah 11952, Saudi Arabia [2] Assiut Univ, Dept Elect Engn, Coll Engn, Assiut 71515, Egypt [3] King Saud Univ, Power Syst Reliabil & Secur [4] King Saud Univ, Sustainable Energy Technol Ctr [5] Mansoura Univ, Dept Elect Engn, Mansoura 35516, Egypt [6] Duy Tan Univ, Inst Res & Dev, Da Nang 550000, Vietnam	Sustainability	Oct 2020	2.576 Q-2
9	Condition Monitoring of DC-Link Electrolytic Capacitors in PWM Power Converters Using OBL Method	Abo-Khalil, AG (Abo-Khalil, Ahmed G.)[1,2] Al-Qawasmi, AR (Al-Qawasmi, Abdel-Rahman)[1] Eltamaly, AM (Eltamaly, Ali	[1] Majmaah Univ, Coll Engn, Dept Elect Engn, Almajmaah 11952, Saudi Arabia [2] Assiut Univ, Coll Engn, Dept Elect Engn, Assiut 71515, Egypt [3] King Saud Univ, Saudi Elect Co Chair	Sustainability	May 2020	2.576 Q-2

		M.)[3,4,5] Yu, BG (Yu, B. G.)[6]	Power Syst Reliabil & Secur [4] King Saud Univ, Sustainable Energy Technol Ctr [5] Mansoura Univ, Elect Engr Dept, Mansoura 35516, Egypt [6] Kongju Natl Univ, Div Elect Elect & Control Engr, Chungcheongnam Do 31080, South Korea			
10	Sensorless Active and Reactive Control for DFIG Wind Turbines Using Opposition-Based Learning Technique	Eltamaly, AM (Eltamaly, Ali Mohamed)[1,2,3] Al-Saud, M (Al-Saud, Mamdooh)[4] Sayed, K (Sayed, Khairy)[5] Abo-Khalil, AG (Abo-Khalil, Ahmed G.)[6]	[1] Sustainable Energy Technologies Center, King Saud University [2] Electrical Engineering Department, Mansoura University, Mansoura 35516, Egypt [3] K.A. CARE Energy Research and Innovation Center, Riyadh 11451, Saudi Arabia [4] Electrical Engineering Department, College of Engineering, King Saud University [5] Electrical Engineering Department, Faculty of Engineering, Sohag University, Sohag 82524, Egypt [6] Department of Electrical Engineering, College of Engineering, Majmaah University, Almajmaah 11952, Saudi Arabia	Sustainability	May 2020	2.576 Q-2
11	Performance improvement of PV system.s maximum power point tracker based on a scanning PSO particle strategy	Ali M. Eltamaly [1,3] M. S. Al-Saud [4] A. G. Abo-Khalil [5]	[1] Sustainable Energy Technologies Center, King Saud University [3] Electrical Engineering Department, Mansoura University, Mansoura 35516, Egypt [4] Electrical Engineering Department,	Sustainability	Feb 2020	2.576 Q-2

			College of Engineering, King Saud University [5] Electrical Engineering Department, Majmaah University, Almajmaah 11952, Saudi Arabia			
12	Photovoltaic maximum power point tracking under dynamic partial shading changes by novel adaptive particle swarm optimization strategy	Eltamaly, AM (Eltamaly, Ali M.)[1,2] Al-Saud, MS (Al-Saud, Mamdooh S.)[3,4] Abokhalil, AG (Abokhalil, Ahmed G.)[5] Farh, HMH (Farh, Hassan M. H.)[3]	[1] King Saud Univ, Sustainable Energy Technol Ctr, King Abdullah St [2] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt [3] King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh, Saudi Arabia [4] King Saud Univ, Chair Power Syst Reliabil & Secur, Saudi Elect Co, Riyadh, Saudi Arabia [5] Majmaah Univ, Elect Engn Dept, Al Majmaah, Saudi Arabia	Transactions of the Institute of Measurement And Control	Jan 2020	1.649 Q-3
13	Photovoltaic Panels Temperature Regulation Using Evaporative Cooling Principle: Detailed Theoretical and Real Operating Conditions Experimental Approaches	Haidar, ZA (Haidar, Zeyad A.)[1,2,3] Orfi, J (Orfi, Jamel)[4,5] Kaneesamkandi, Z (Kaneesamkandi, Zakariya)[4]	[1] Electrical Engineering Department, College of Engineering, King Saud University [2] Sustainable Energy Technologies Center, College of Engineering, King Saud University [3] Electrical Engineering Department, College of Engineering, Aden University, Aden 6312, Yemen [4] Mechanical Engineering Department, College of Engineering, King Saud University [5] KA.CARE Energy Research and Innovation Center Riyadh, Riyadh 11451, Saudi Arabia	Energies	Online Dec 2020	

14	Effective Adsorptive Removal of Methylene Blue from Water by Didodecyldimethylammonium Bromide-Modified Brown Clay	Munir, M (Munir, Muhammad)[1] Nazar, MF (Nazar, Muhammad Faizan)[1] Zafar, MN (Zafar, Muhammad Nadeem)[1] Zubair, M (Zubair, Muhammad)[1] Ashfaq, M (Ashfaq, Muhammad)[1] Hosseini-Bandegharai, A (Hosseini-Bandegharai, Ahmad)[2,3] Khan, SUD (Khan, Salah Ud-Din)[4] Ahmad, A (Ahmad, Ashfaq)[5]	[1] Univ Gujrat, Dept Chem, Gujrat 50700, Pakistan [2] Sabzevar Univ Med Sci, Dept Environm Hlth Engn, Fac Hlth, Sabzevar, Iran [3] Islamic Azad Univ, Dept Engn, Kashmar Branch, Kashmar, Iran [4] King Saud Univ, Sustainable Energy Technol Ctr [5] King Saud Univ, Dept Chem, Riyadh 11451, Saudi Arabia	ACS Omega	Jul 2020	2.87 Q-2
15	An Intelligent Data-Driven Model to Secure Intravehicle Communications Based on Machine Learning	Al-Saud, M (Al-Saud, Mamdooh)[1,2] Eltamaly, AM (Eltamaly, Ali M.)[3,4] Mohamed, MA (Mohamed, Mohamed A.)[5] Kavousi-Fard, A (Kavousi-Fard, Abdollah)[6]	[1] King Saud Univ, Elect Engn Dept, Riyadh 12372, Saudi Arabia [2] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur, Riyadh 12372, Saudi Arabia [3] King Saud Univ, Sustainable Energy Technol Ctr [4] Mansoura Univ, Elect Engn Dept, Mansoura 35516, Egypt [5] Menia Univ, Fac Engn, Elect Engn Dept, Al Minya 61519, Egypt [6] Univ Michigan, Dept Elect & Comp Engn, Dearborn, MI 48128 USA	IEEE Transactions On Industrial Electronics	Jun 2020	7.515 Q-1

16	Performance Improvement of PV Systems' aximu Power Point Tracker Based on a Scanning PSO Particle Strategy	Eltamaly, AM (Eltamaly, Ali M.)[1,2,3] Al-Saud, MS (Al-Saud, M. S.)[1,4] Abo-Khalil, AG (Abo-Khalil, A. G.)[5]	[1] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil & Secur [2] King Saud Univ, Sustainable Energy Technol Ctr [3] Mansoura Univ, Elect Engn Dept, Mansoura 35516, Egypt [4] King Saud Univ, Coll Engn, Elect Engn Dept [5] Majmaah Univ, Elect Engn Dept, Almajmaah 11952, Saudi Arabia	Sustainability	Feb 2020	2.576 Q-2
----	--	---	--	----------------	----------	--------------

Centre of Excellence for Research in Engineering Materials (CEREM)

No.	Title of the Paper	Author Name(s)	Author Affiliation(s)	Journal Name	Publication date	IF & Quartile
1	Influence of SiO ₂ Content and Exposure Periods on the Anticorrosion Behavior of Epoxy-Nanocomposite Coatings	Alam, MA (Alam, Mohammad Asif)[1] Samad, UA (Samad, Ubair Abdus)[1] Sherif, EM (Sherif, El-Sayed M.)[1,2] Poulose, AM (Poulose, Anesh Manjaly)[3] Mohammed, JA (Mohammed, Jabair Ali)[1] Alharthi, N (Alharthi, Nabeel)[1,4] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[3]	[1] King Saud Univ, CEREM [2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [3] King Saud Univ, Chem Engn Dept, SABIC Polymer Res Ctr SPRC [4] King Saud Univ, Mech Engn Dept	Coatings	Feb 2020	2.436 Q-2
2	Enhancement in Nanomechanical, Thermal, and Abrasion Properties of SiO ₂ Nanoparticle- Modified Epoxy Coatings	Alam, MA (Alam, Mohammad Asif)[1] Samad, UA (Samad, Ubair Abdus)[1] Alam, M (Alam, Manawwer)[2] Anis, A (Anis, Arfat)[3] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[3]	[1] King Saud Univ, Ctr Excellence Res Engn Mat CEREM [2] King Saud Univ, Coll Sci, Dept Chem, Saudi Arabia [3] King Saud Univ, SABIC Polymer Res Ctr SPRC, Chem Engn Dept	Coatings	Aprl 2020	2.436 Q-2
3	Synthesis, and characterization of novel tamarind gum and rice bran oil-based emulgels for the ocular	Rawooth, M (Rawooth, Madhusmita)[1] Qureshi, D (Qureshi,	[1] Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela, India [2] Natl Inst Technol, Dept Food Proc Engn,	International Journal of Biological	Dec 2020	5.162 Q-1

	delivery of antibiotics	Dilshad)[1] Hoque, M (Hoque, Monjurul)[2] Prasad, MPJG (Prasad, M. P. J. Girija)[3] Mohanty, B (Mohanty, Biswaranjan)[3] Alam, MA (Alam, Mohammad Asif)[4] Anis, A (Anis, Arfat)[5] Sarkar, P (Sarkar, Preetam)[2] Pal, K (Pal, Kunal)[1]	Rourkela, India [3] Inst Pharm & Technol, Cuttack, India [4] King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Riyadh, Saudi Arabia [5] King Saud Univ, SABIC Polymer Res Ctr SPRC, Dept Chem Engn, Riyadh, Saudi Arabia	Macromolecules		
4	Effect of Incorporated ZnO Nanoparticles on the Corrosion Performance of SiO ₂ Nanoparticle-Based Mechanically Robust Epoxy Coatings	Ubair Abdus Samad [1] Mohammad Asif Alam [1] Arfat Anis [2] El-Sayed M. Sherif [1,3] Sulaiman I. Al-Mayman [4] Saeed M. Al-Zahrani [2]	[1] Center of Excellence for Research in Engineering Materials (CEREM), King Saud University, [2] SABIC Polymer Research Center (SPRC), Chemical Engineering Department, King Saud University, [3] Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, El- Behoth St. 33, Dokki, Cairo 12622, Egypt [4] Water and Energy Research Institute (WERI), King Abdulaziz City for Science and Technology (KACST)	Materials	Aug 2020	3.057 Q-2
5	Development of Hydrophobic, Anticorrosive, Nanocomposite Polymeric Coatings from Canola Oil: A Sustainable Resource	Alam, M (Alam, Manawwer)[1] Alandis, NM (Alandis, Naser M.)[1] Ahmad, N (Ahmad,	[1] King Saud Univ, Coll Sci, Dept Chem, Saudi Arabia [2] Jamia Millia Islamia, Dept Chem, Mat Res Lab, New Delhi 110025, India [3] King Saud Univ, King Abdullah Inst	Polymers	Dec 2020	3.426 Q-1

		Naushad)[1] Zafar, F (Zafar, Fahmina)[2] Khan, A (Khan, Aslam)[3] Alam, MA (Alam, Mohammad Asif)[4]	Nanotechnol, Saudi Arabia [4] King Saud Univ, Ctr Excellence Engn Mat			
6	Development of a poly(urethane-malonic-esteramide) coating from corn oil and carbon nanotubes for corrosion resistant applications	Alam, M (Alam, Manawwer)[1] Alandis, NM (Alandis, Naser M.)[1] Alam, J (Alam, Javed)[2] Ahmad, N (Ahmad, Naushad)[1] Alam, MA (Alam, Mohammad Asif)[2,3]	[1] King Saud Univ, Coll Sci, Dept Chem, Saudi Arabia [2] King Saud Univ, Ctr Excellence Engn Mat, Riyadh, Saudi Arabia [3] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia	International Journal of Polymer Analysis and Characterization	Dec 2020	1.716 Q-3
7	Fabrication of highly porous N-doped mesoporous carbon using waste polyethylene terephthalate bottle-based MOF-5 for high performance supercapacitor.	Ubaidullah, M (Ubaidullah, Mohd)[1] Al-Enizi, AM (Al-Enizi, Abdullah M.)[1] Ahamad, T (Ahamad, Tansir)[1] Shaikh, SF (Shaikh, Shoyebmohamad F.)[1] Al-Abdrabalnabi, MA (Al-Abdrabalnabi, Mohammed A.)[1] Samdani, MS (Samdani, Mohammad Shahzad)[1] Kumar, D (Kumar, Dinesh)[2] Alam, MA (Alam, Mohammad	[1] King Saud Univ, Coll Sci, Dept Chem, Riyadh 11451, Saudi Arabia [2] Cent Univ Gujarat, Sch Chem Sci, Inorgan & Nanochem, Gandhinagar 382030, India [3] King Saud Univ, Ctr Excellence Res Engn Mat, CEREM, Coll Engn, Riyadh 11451, Saudi Arabia [4] Aligarh Muslim Univ, Coll Engn & Technol, Dept Appl Chem, Aligarh 202002, Uttar Pradesh, India	Journal of Energy Storage	Online Dec 2020	3.726 Q-2

		Asif)[3] Khan, M (Khan, Maha)[4]				
8	Efficiency enhancement of CIGS solar cell by WS ₂ as window layer through numerical modelling tool	Sobayel, K (Sobayel, K.)[1] Shahinuzzaman, M (Shahinuzzaman, M.)[4] Amin, N (Amin, N.)[2] Karim, MR (Karim, M. R.)[5] Dar, MA (Dar, M. A.)[5] Gul, R (Gul, R.)[6,7] Alghoul, MA (Alghoul, M. A.)[8] Sopian, K (Sopian, K.)[1] Hasan, AKM (Hasan, A. K. M.)[1] Akhtaruzzaman, M (Akhtaruzzaman, Md)[1,3]	[1] Natl Univ Malaysia, Solar Energy Res Inst, Bangi 43600, Malaysia [2] Univ Tenaga Nas, Inst Sustainable Energy, Kajang 43000, Selangor, Malaysia [3] Natl Univ Malaysia, Fac Engr & Built Environm, Dept Elect Elect & Syst Engr, Bangi 43600, Selangor, Malaysia [4] Univ Kebangsaan Malaysia, Fac Sci & Technol, Bangi 43600, Selangor, Malaysia [5] King Saud Univ, Ctr Excellence Res Engr Mat [6] King Saud Univ, Coll Med, Obes Res Ctr [7] King Saud Univ, Coll Med, Dept Med [8] King Fahd Univ Petr & Minerals KFUPM, Ctr Res Excellence Renewable Energy CoRERE, Darham 31261, Saudi Arabia	Solar Energy	Sep 2020	4.608 Q-2
9	Air-stable perovskite photovoltaic cells with low temperature deposited NiOx as an efficient hole-transporting material	Hasan, AKM (Hasan, A. K. Mahmud)[1,2] Raifuku, I (Raifuku, Itaru)[2] Amin, N (Amin, N.)[3,4] ; Ishikawa, Y (Ishikawa, Yasuaki)[2] Sarkar, DK (Sarkar, D. K.)[1] Sobayel, K (Sobayel, K.)[1] ; Karim, MR (Karim, Mohammad R.)[5]	[1] Univ Kebangsaan Malaysia, Solar Energy Res Inst SERI, Bangi 436, Selangor, Malaysia [2] Nara Inst Sci & Technol, Grad Sch Mat Sci, 8916-5 Takayama, Ikoma, Nara 6300192, Japan [3] Natl Energy Univ, Inst Sustainable Energy, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia [4] Univ Kebangsaan Malaysia, Fac Engr & Built Environm, Ctr Integrated Syst Engr &	Optical Materials Express	Aug 2020	3.064 Q-1

		Ul-Hamid, A (Ul-Hamid, Anwar)[6] Abdullah, H (Abdullah, H.)[7] Shahiduzzaman, M (Shahiduzzaman, Md)[8] Uraoka, Y (Uraoka, Yukiharu)[2] Sopian, K (Sopian, Kamaruzzaman)[1] Akhtaruzzaman, M (Akhtaruzzaman, Md)[1,4,9]	Adv Technol Integra, Bangi 43600, Selangor, Malaysia [5] King Saud Univ, Coll Engn [6] King Fahd Univ Petr & Minerals, Res Inst, Ctr Engn Res, Dhahran 31261, Saudi Arabia [7] Univ Kebangsaan Malaysia, Fac Engn & Built Environm, Dept Elect Elect & Syst Engn, Bangi 43600, Selangor, Malaysia [8] Kanazawa Univ, Nanomat Res Inst, Kakuma Ku, Kanazawa, Ishikawa 9201192, Japan [9] Univ Tsukuba, Grad Sch Pure & Appl Sci, Tsukuba, Ibaraki 3058573, Japan			
10	Impact of magnetic field on boundary-layer flow of Sisko liquid comprising nanomaterials migration through radially shrinking/stretching surface with zero mass flux,	Khan, U (Khan, Umair)[1] Zaib, A (Zaib, A.)[2] Shah, Z (Shah, Zahir)[3] Baleanu, D (Baleanu, Dumitru)[4] Sherif, EM (Sherif, El-Sayed M.)[7,8]	[1] Sukkur IBA Univ, Dept Math & Social Sci, Sukkur 65200, Sindh, Pakistan [2] Fed Urdu Univ Arts Sci & Technol, Dept Math Sci, Karachi 75300, Pakistan [3] King Mongkuts Univ Technol Thonburi KMUTT, Ctr Excellence Theoret & Computat Sci TaCS CoE, SCL 802 Fixed Point Lab, Sci Lab Bldg,126 Pracha Uthit Rd, Bangkok 10140, Thailand [4] Cankaya Univ, Dept Math, Ankara, Turkey [7] King Saud Univ, Dept Phys & Astron, Coll Sci, Res Chair Tribol Surface & Interface Sci TSIS, Saudi Arabia [8] King Saud Univ, Ctr Excellence Res Engn Mat CEREM	Journal Of Materials Research And Technology-Jmr&T	May 2020	5.289 Q-1

11	The fabrication of a chemical sensor with PANI-TiO ₂ nanocomposites	Karim, MR (Karim, Mohammad R.)[1,2] Alam, M (Alam, M.)[3] Aijaz, MO (Aijaz, M. O.)[1] Asiri, AM (Asiri, Abdullah M.)[4,5] AlMubaddel, FS (AlMubaddel, F. S.)[6] Rahman, MM (Rahman, Mohammed M.)[4,5]	[1] King Saud Univ, CEREM [2] KA CARE Energy Res & Innovat Ctr, Riyadh 11451, Saudi Arabia [3] Shahjalal Univ Sci & Technol, Dept Chem Engrg & Polymer Sci, Sylhet 3100, Bangladesh [4] King Abdulaziz Univ, Fac Sci, Ctr Excellence Adv Mat Res, Jeddah 21589, Saudi Arabia [5] King Abdulaziz Univ, Fac Sci, Chem Dept, Jeddah 21589, Saudi Arabia [6] King Saud Univ, Chem Engrg Dept	Rsc Advances	Mar 2020	3.119 Q-2
12	Fabrication of Ni–Co-Based Heterometallo-Supramolecular Polymer Films and the Study of Electron Transfer Kinetics for the Nonenzymatic Electrochemical Detection of Nitrite	Islam, T (Islam, Tamanna)[1] ; Hasan, MM (Hasan, Md. Mahedi)[1] Akter, SS (Akter, Sayeda Sima)[1] Alharthi, NH (Alharthi, Nabeel H.)[2] Karim, MR (Karim, Mohammad R.)[3,4] Aziz, MA (Aziz, Md. Abdul)[5] Hossain, MD (Hossain, Md. Delwar)[1] Ahammad, AJS (Ahammad, A. J. Saleh)[1]	[1] Jagannath Univ, Dept Chem, Dhaka 1100, Bangladesh [2] King Saud Univ, Mech Engrg Dept, Coll Engrg [3] King Saud Univ, Ctr Excellence Res Engrg Mat [4] KA CARE Energy Res & Innovat Ctr, Riyadh 11451, Saudi Arabia [5] King Fahd Univ Petr & Minerals, Ctr Res Excellence Nanotechnol, Dhahran 31261, Saudi Arabia	ACS Applied Polymer Materials	Feb 2020	Newly added in the list of ISI Journals
13	Role of Vanadium Additions on the Corrosion Mitigation of Ti-6Al-xV	Sherif, ESM (Sherif, El-Sayed M.)[1,2]	[1] King Saud Univ, Ctr Excellence Res Engrg Mat CEREM	Metals	Jul 2020	2.117 Q-1

	Alloy in Simulated Body Fluid,	Ragab, SA (Ragab, Sameh A.)[1] Abdo, HS (Abdo, Hany S.)[1]	[2] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt			
14	Beneficial effects of Vanadium Additions on the Corrosion of Ti6AlxV Alloys in Chloride Solutions,	Sherif, ESM (Sherif, El-Sayed M.)[1] Abdo, HS (Abdo, Hany S.)[1] Alharthi, NH (Alharthi, Nabeel H.)[1,2]	[1] King Saud Univ, CEREM [2] King Saud Univ, Mech Engn Dept	Metals	Feb 2020	2.117 Q-1
15	Comparative Investigation on MHD Nonlinear Radiative Flow Through a Moving Thin Needle Comprising Two Hybridized AA7075 and AA7072 Alloys Nanomaterials Through Binary Chemical Reaction with Activation Energy	Khan, U (Khan, Umair)[1] Zaib, A (Zaib, A.)[2] Khan, I (Khan, Ilyas)[3] Baleanu, D (Baleanu, Dumitru)[4,5,6] Sherif, ESM (Sherif, El-Sayed M.)[7,8]	[1] Sukkur IBA Univ, Dept Math & Social Sci, Sukkur 65200, Sindh, Pakistan [2] Fed Urdu Univ Arts Sci & Technol, Dept Math Sci, Karachi 75300, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City, Vietnam [4] Cankaya Univ, Dept Math, Ankara, Turkey [5] Inst Space Sci, Magurele 077125, Romania [6] China Med Univ, China Med Univ Hosp, Dept Med Res, Taichung, Taiwan [7] King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Riyadh, Saudi Arabia [8] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt	Journal of Materials Research and Technology-Jmr&T	May 2020	5.289 Q-1
16	Computational analysis of nano-fluid due to a non-linear variable thicked stretching sheet subjected to Joule heating and thermal radiation	Abdelmalek, Z (Abdelmalek, Zahra)[1,2] Khan, I (Khan, Imad)[3] Khan, MWA (Khan, M.	[1] Duy Tan Univ, Inst Res & Dev, Da Nang 550000, Vietnam [2] Duy Tan Univ, Fac Med, Da Nang 550000, Vietnam	Journal of Materials Research and Technology-Jmr&T	Sep 2020	5.289 Q-1

		Waleed Ahmed)[3] Rehman, KU (Rehman, Khalil Ur)[4] Sherif, EM (Sherif, El-Sayed M.))[5]	[3] Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan [4] Air Univ, Dept Math, PAF Complex E-9, Islamabad 44000, Pakistan [5] King Saud Univ, Coll Engn, Mech Engn Dept			
17	Experimental and computational investigations on the anti-corrosive and adsorption behavior of 7-N,N.-dialkylaminomethyl-8-Hydroxyquinolines on C40E steel surface in acidic medium	El Faydy, M (El Faydy, Mohamed)[1] Benhiba, F (Benhiba, Fouad)[2,3] About, H (About, Hafida)[2] Kerroum, Y (Kerroum, Younes)[3] Guenbour, A (Guenbour, Abdellah)[3] Lakhrissi, B (Lakhrissi, Brahim)[1] Warad, I (Warad, Ismail)[4] Verma, C (Verma, Chandrabhan)[5,6,7] Sherif, ESM (Sherif, El-Sayed M.))[8] Ebenso, EE (Ebenso, Eno E.))[5,6,9] Zarrouk, A (Zarrouk, Abdelkader)[3]	[1] IbnTofail Univ, Fac Sci, Lab Agr Resources Polymer & Proc Engn, POB 133, Kenitra 14000, Morocco [2] IbnTofail Univ, Fac Sci, Lab Separat Proc, POB 133, Kenitra 14000, Morocco [3] Mohammed V Univ, Fac Sci, Lab Mat Nanotechnol & Environm, Av IbnBattouta, POB 1014, Rabat, Morocco [4] Qatar Univ, Dept Chem & Earth Sci, POB 2713, Doha, Qatar [7] King Fahd Univ Petr & Minerals, Ctr Res Excellence Corros, Res Inst, Dhahran 31261, Saudi Arabia [8] King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Riyadh, Saudi Arabia [9] Univ South Africa, Coll Sci Engn & Technol, Dept Chem, ZA-1710 Florida, Roodepoort, South Africa	Journal of Colloid and Interface Science	Sep 2020	7.489 Q-1
18	A Comparative Analysis of Flow Features of Newtonian and Power law Material: A New Configuration,	Mahmood, R (Mahmood, Rashid)[1] Bilal, S (Bilal, S.))[1]	[1] AIR Univ, Dept Math, PAF Complex E-9, Islamabad 44000, Pakistan [2] Ton Duc Thang Univ, Fac Math & Stat,	Journal of Materials Research and Technology-	Mar 2020	5.289 Q-1

		Majeed, AH (Majeed, Afraz Hussain)[1] Khan, I (Khan, Ilyas)[2] Sherif, EM (Sherif, El-Sayed M.)[3]	Ho Chi Minh City, Vietnam [3] King Saud Univ, Ctr Excellence Res Engn Mat	Jmr&T		
19	A comprehensive finite element examination of Carreau Yasuda fluid model in a lid driven cavity and channel with obstacle by way of kinetic energy and drag and lift coefficient measurements	Mahmood, R (Mahmood, Rashid)[1] Bilal, S (Bilal, S.)[1] Khan, I (Khan, Ilyas)[2] Kousar, N (Kousar, Nabeela)[1] Seikh, AH (Seikh, Asiful H.)[3] Sherif, EM (Sherif, El-Sayed M.)[3]	[1] Air Univ, Dept Math, PAF Complex,E-9, Islamabad 44000, Pakistan [2] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [3] King Saud Univ, Ctr Excellence Res Engn Mat	Journal of Materials Research and Technology-Jmr&T	Mar 2020	5.289 Q-1
20	Effects of ATIG Welding on Weld Shape, Mechanical Properties, and Corrosion Resistance of 430 Ferritic Stainless Steel Alloy,	Touileb, K (Touileb, Kamel)[1] Ouis, A (Ouis, Abousoufiane)[1] Djoudjou, R (Djoudjou, Rachid)[1] Hedhibi, AC (Hedhibi, Abdeljlil Chihaoui)[1,2] Alrobei, H (Alrobei, Hussein)[1] Albaijan, I (Albaijan, Ibrahim)[1] Alzahrani, B (Alzahrani, Bandar)[1] Sherif, EM (Sherif, El-Sayed	[1] Prince Sattam bin Abdulaziz Univ, Dpt Mech Engn, Coll Engn Al Kharj, Box 655, Al Karj 11942, Saudi Arabia [2] Univ Tunis El Manar, Natl Engn Sch ENIT, POB 37, Tunis 1002, Tunisia [3] King Saud Univ, Ctr Excellence Res Engn Mat CEREM	Metals	Mar 2020	2.117 Q-1

		M.)[3] Abdo, HS (Abdo, Hany S.)[3]				
21	Experimental and computational mediated illustration of effect of different substituents on adsorption tendency of phthalazinone derivatives on mild steel surface in acidic medium,	Mashuga, ME (Mashuga, Motsie E.)[1,2] Olasunkanmi, LO (Olasunkanmi, Lukman O.)[2,3] Verma, C (Verma, Chandrabhan)[2,4] Sherif, ESM (Sherif, El-Sayed M.)[5,6] Ebenso, EE (Ebenso, Eno E.)[1,2]	[1] North West Univ, Sch Phys & Chem Sci, Dept Chem, Fac Nat & Agr Sci, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [2] North West Univ, Mat Sci Innovat & Modelling MaSIM Res Focus Area, Fac Nat & Agr Sci, Mafikeng Campus, Private Bag X2046, ZA-2735 Mmabatho, South Africa [3] Obafemi Awolowo Univ, Fac Sci, Dept Chem, Ife 220005, Nigeria [4] King Fahd Univ Petr & Minerals, Ctr Res Excellence Corros, Res Inst, Dhahran 31261, Saudi Arabia [5] King Saud Univ, CEREM [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt	Journal of Molecular Liquids	May 2020	5.065 Q-1
22	Stability analysis and multiple solution of Cu–Al ₂ O ₃ /H ₂ O nanofluid contains hybrid nanomaterials over a shrinking surface in the presence of viscous dissipation,	Lund, LA (Lund, Liaquat Ali)[1] Omar, Z (Omar, Zurni)[1] Khan, I (Khan, Ilyas)[2] Seikh, AH (Seikh, Asiful H.)[3] Sherif, EM (Sherif, El-Sayed M.)[3,4] Nisar, KS (Nisar, K. S.)[5]	[1] Univ Utara Malaysia, Sch Quantitat Sci, Sintok 06010, Kedah, Malaysia [2] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City, Vietnam [3] King Saud Univ, Ctr Excellence Res Engn Mat [4] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [5] Prince Sattam Bin Abdulaziz Univ, Coll Arts & Sci, Dept Math, Wadi Al Dawaser	Journal of Materials Research and Technology- Jmr&T	Jan 2020	5.289 Q-1

			11991, Saudi Arabia			
23	Influence of Single- and Multi-Wall Carbon Nanotubes on Magnetohydrodynamic Stagnation Point Nanofluid Flow over Variable Thicker Surface with Concave and Convex Effects,	Shafiq, A (Shafiq, Anum)[1] Khan, I (Khan, Ilyas)[2] Rasool, G (Rasool, Ghulam)[3] Sherif, EM (Sherif, El-Sayed M.) [4,5] Sheikh, AH (Sheikh, Asiful H.) [4]	[1] Nanjing Univ Informat Sci & Technol, Sch Math & Stat, Nanjing 210044, Peoples R China [2] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [3] Zhejiang Univ, Sch Math Sci, Yuquan Campus, Hangzhou 310027, Peoples R China [4] King Saud Univ, CEREM [5] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt	Mathematics	Jan 2020	1.747 Q-1
24	Manufacturing of Ti-6%Al and Ti-6%Al-4%V Alloys and Their Corrosion in Sodium Chloride Solutions,	Abdo, HS (Abdo, Hany S.) [1] Sherif, EM (Sherif, El-Sayed M.) [1] El-Serehy, HA (El-Serehy, Hamed A.) [2]	[1] King Saud Univ, CEREM [2] King Saud Univ, Coll Sci, Dept Zool, Riyadh, Saudi Arabia	Crystals	Mar 2020	2.4040 Q-2
25	The Cyclic Oxidation and Hardness Characteristics of Thermally Exposed Titanium Prepared by Inductive Sintering-Assisted Powder Metallurgy	Latief, FH (Latief, Fahamsyah H.)[1] Sherif, ESM (Sherif, El-Sayed M.) [2,3] Wismogroho, AS (Wismogroho, Agus S.)[4] Widayatno, WB (Widayatno, Wahyu B.)[4] Abdo, HS (Abdo, Hany S.) [2]	[1] Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Mech Engn, POB 5701, Riyadh 11432, Saudi Arabia [2] King Saud Univ, CEREM [3] Natl Res Ctr, Electrochem & Corros Lab, Dept Phys Chem, El Behoth St 33, Cairo 12622, Egypt [4] Indonesian Inst Sci, Res Ctr Phys, Tangerang Selatan 15310, Indonesia	Crystals	Feb 2020	2.404 Q-2
26	Influence of SiO2 Content and Exposure Periods on the Anticorrosion Behavior of Epoxy	Alam, MA (Alam, Mohammad Asif) [1]	[1] King Saud Univ, CEREM [3] King Saud Univ, Chem Engn Dept,	Coatings	Feb 2020	2.436 Q-2

	Nanocomposite Coatings	Samad, UA (Samad, Ubair Abdus)[1] Sherif, EM (Sherif, El-Sayed M.)[1] Poulose, AM (Poulose, Anesh Manjaly)[3] Mohammed, JA (Mohammed, Jabair Ali)[1] Alharthi, N (Alharthi, Nabeel)[1,4] Al-Zahrani, SM (Al-Zahrani, Saeed M.)[3]	SABIC Polymer Res Ctr SPRC [4] King Saud Univ, Mech Engn Dept			
27	Analysis of peristaltic flow of Jeffrey six constant nano fluid in a vertical non-uniform tube	Imran, MA (Imran, M. A.)[1] Shaheen, A (Shaheen, A.)[2] Sherif, EM (Sherif, El-Sayed M.)[3,4] Rahimi-Gorji, M (Rahimi-Gorji, Mohammad)[5] Seikh, AH (Seikh, Asiful H.)[3]	[1] Univ Management & Technol, Dept Math, Lahore, Pakistan [2] Comsats Univ Islamabad Lahore Campus, Dept Math, Lahore, Pakistan [3] King Saud Univ, Ctr Excellence Res Engn Mat [4] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [5] Univ Ghent, Fac Med & Hlth Sci, B-9000 Ghent, Belgium	Chinese Journal of Physics	Aug 2020	2.638 Q-2
28	Entropy Generation and Dual Solutions in Mixed Convection Stagnation Point Flow of Micropolar Ti6Al4V Nanoparticle along a Riga Surface	Zaib, A (Zaib, A.)[1] Khan, U (Khan, Umair)[2] Khan, I (Khan, Ilyas)[3] Seikh, AH (Seikh, Asiful H.)[4] Sherif, ESM (Sherif, El-Sayed M.)[4]	[1] Fed Urdu Univ Arts Sci & Technol, Dept Math Sci, Gulshan E Iqbal Karachi 75300, Pakistan [2] Sukkur IBA Univ, Dept Math & Social Sci, Sukkur 65200, Sindh, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam	Processes	Jan 2020	2.753 Q-2

			[4] King Saud Univ, CEREM			
29	Heat Transfer Effect on Viscoelastic Fluid Used as a Coating Material for Wire with Variable Viscosity,	Khan, Z (Khan, Zeeshan)[1] Rasheed, HU (Rasheed, Haroon Ur)[2] Islam, S (Islam, Saeed)[2] Noor, S (Noor, Sahib)[1] Khan, I (Khan, Ilyas)[3] Abbas, T (Abbas, Tariq)[1] Khan, W (Khan, Waris)[4] Seikh, AH (Seikh, Asiful H.)[5] Sherif, EM (Sherif, El-Sayed M.)[5,6] Nisar, KS (Nisar, Kottakkaran Sooppy)[7]	[1] Sarhad Univ Sci & Informat Technol, Peshawar 25000, Kpk, Pakistan [2] Abdul Wali Khan Univ Mardan, Dept Math, Kpk 25000, Pakistan [3] Al Zulfi Majmaah Univ, Dept Math, Coll Sci, Al Majmaah 11952, Saudi Arabia [4] Kohat Univ Sci & Technol, Inst Numer Sci, Kohat, Pakistan [5] King Saud Univ, CEREM [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [7] Prince Sattam Bin Abdulaziz Univ, Dept Math, Coll Arts & Sci, Wadi Al Dawaser 11991, Saudi Arabia	Coatings	Feb 2020	2.436 Q-2
30	Dual Solutions and Stability Analysis of a Hybrid Nanofluid over a Stretching/Shrinking Sheet Executing MHD Flow	Lund, LA (Lund, Liaquat Ali)[1,2] Omar, Z (Omar, Zurni)[1] Khan, I (Khan, Ilyas)[3] Sherif, EM (Sherif, El-Sayed M.)[4,5]	[1] Univ Utara Malaysia, Sch Quantitat Sci, Sintok 06010, Kedah, Malaysia [2] KCAET Khairpur Mirs Sindh Agr Univ, Tandojam Sindh 70060, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [4] King Saud Univ, CEREM [5] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt	Symmetry-Basel	Feb 2020	2.645 Q-2
31	Studies on the Antibacterial Influence of Two Ionic Liquids and their Corrosion Inhibition Performance,	Shehata, MF (Shehata, Mohamed F.)[1] El-Shamy, AM (El-Shamy,	[1] Natl Res Ctr, Electrochem & Corros Lab, Phys Chem Dept, El Bohouth St 33, Giza 12622, Egypt [2] Higher Technol Inst, 10th Of Ramadan	Applied Sciences-Basel	Feb 2020	2.474 Q-2

		Ashraf M.)[1] Zohdy, KM (Zohdy, Khaled M.))[2] Sherif, EM (Sherif, El-Sayed M.))[1,3] El Abedin, SZ (El Abedin, Sherif Zein)[1]	City 44629, Egypt [3] King Saud Univ, Ctr Excellence Res Engn Mat			
32	Dual Solutions and Stability Analysis of Magnetized Hybrid Nanofluid with Joule Heating and Multiple Slip Conditions,	Yan, L (Yan, Liang)[1] Dero, S (Dero, Sumera)[2] Khan, I (Khan, Ilyas)[3] Mari, IA (Mari, Irshad Ali)[4] Baleanu, D (Baleanu, Dumitru)[5,6,7] Nisar, KS (Nisar, Kottakkaran Sooppy)[8] Sherif, EM (Sherif, El-Sayed M.))[9] Abdo, HS (Abdo, Hany S.))[9]	[1] Guangdong Univ Petrochem Technol, Sch Sci, Guangzhou 525000, Guangdong, Peoples R China [2] Univ Sindh Jamshoro, Inst Informat & Commun Technol, Jamshoro 76090, Sindh, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [4] Sindh Agr Univ, FAE, Tandojam 70060, Pakistan [5] Cankaya Univ, Dept Math, TR-06790 Ankara, Turkey [8] Prince Sattam Bin Abdulaziz Univ, Coll Arts & Sci, Dept Math, Wadi Aldawaser 11991, Saudi Arabia [9] King Saud Univ, CEREM	Processes	Mar 200	2.753 Q-2
33	A Novel Investigation and Hidden Effects of MHD and Thermal Radiations in Viscous Dissipative Nanofluid Flow Models,	Ahmed, N (Ahmed, Naveed)[1] Adnan (Adnan)[2] Khan, U (Khan, Umar)[3] Mohyud-Din, ST (Mohyud-Din, Syed Tauseef)[4] Khan, I (Khan, Ilyas)[5]	[1] HITEC Univ, Fac Sci, Dept Math, Taxila, Pakistan [2] Mohi Ud Din Islamic Univ, Dept Math, Nerian Sherif, Pakistan [3] Hazara Univ, Dept Math & Stat, Mansehra, Pakistan [4] Univ Multan, Dept Math, Multan,	Frontiers in Physics	May 2020	2.638 Q-2

		Murtaza, R (Murtaza, Rashid)[2] Hussain, I (Hussain, Iftikhar)[2] Sherif, ESM (Sherif, El-Sayed M.)[6]	Pakistan [5] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City, Vietnam [6] King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Riyadh, Saudi Arabia			
34	Stability analysis on the magnetized Casson nanofluid propagating through an exponentially shrinking/stretching plate: Dual Solutions	Lund, LA (Lund, Liaquat Ali)[1,2] Omar, Z (Omar, Zurni)[1] Khan, I (Khan, Ilyas)[3] Sherif, EM (Sherif, El-Sayed M.)[4] Abdo, HS (Abdo, Hany S.)[4]	[1] Univ Utara Malaysia, Sch Quantitat Sci, Sintok 06010, Kedah, Malaysia [2] Sindh Agr Univ, KCAET Khairpur Mirs, Tandojam Sindh 70060, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [4] King Saud Univ, Ctr Excellence Res Engn Mat CEREM	Symmetry-Basel	Jul 2020	2.645 Q-2
35	Electrochemical Corrosion Behaviour of Different Cu-Base Alloys in Concentrated LiBr Solutions: Part I - Cu/10Ni and Al-Bronze Alloys	El Melleigy, AE (El Melleigy, A. E.)[1] El Warraky, AA (El Warraky, A. A.)[1] Hamid, SEA (Abd El Hamid, Sh E.)[1] Sherif, ESM (Sherif, El-Sayed M.)[1]	[1] King Saud Univ, CEREM	International Journal of Electrochemical Science	Ma 2020	1.573 Q-4
36	Characterization of the structure and properties of processed alumina-graphene and alumina-zirconia composites	Duntu, SH (Duntu, Solomon Hanson)[1] Tetteh, F (Tetteh, Francis)[1] Ahmad, I (Ahmad, Iftikhar)[2] Islam, M (Islam, Mohammad)[2] Boakye-Yiadom, S (Boakye-	[1] York Univ, Lassonde Sch Engr, Dept Mech Engr, Toronto, ON, Canada [2] King Saud Univ, Sci Res, Ctr Excellence Res Engr Mat	Ceramics International	Online Aug 2020	3.83 Q-1

		Yiadam, Solomon)[1]				
37	Magnetohydrodynamic (MHD) Flow of Micropolar Fluid with Effects of Viscous Dissipation and Joule Heating Over an Exponential Shrinking Sheet: Triple Solutions and Stability Analysis	Lund, LA (Lund, Liaquat Ali)[1,2] Omar, Z (Omar, Zurni)[1] Khan, I (Khan, Ilyas)[3] Raza, J (Raza, Jawad)[4] Sherif, EM (Sherif, El-Sayed M.)[5,6] Seikh, AH (Seikh, Asiful H.)[5]	[1] Univ Utara Malaysia, Sch Quantitat Sci, Sintok 06010, Kedah, Malaysia [2] Sindh Agr Univ, KCAET Khairpur Mirs, Tandojam Sindh 70060, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [4] Inst Southern Punjab ISP, Dept Math & Stat, Multan 60700, Pakistan [5] King Saud Univ, Ctr Excellence Res Engn Mat [6] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt	Symmetry-Basel	Jan 2020	2.645 Q-2
38	Impact of Nonlinear Thermal Radiation on the Time-Dependent Flow of Non-Newtonian Nanoliquid over a Permeable Shrinking Surface,	Zaib, A (Zaib, A.)[1] Khan, U (Khan, Umair)[2] Khan, I (Khan, Ilyas)[3] Sherif, EM (Sherif, El-Sayed M.)[4,5] Nisar, KS (Nisar, Kottakkaran Sooppy)[6] Seikh, AH (Seikh, Asiful H.)[4]	[1] Fed Urdu Univ Arts Sci & Technol, Dept Math Sci, Karachi 75300, Pakistan [2] Sukkur IBA Univ, Dept Math & Social Sci, Sukkur 65200, Sindh, Pakistan [3] Ton Duc Thang Univ, Fac Math & Stat, Ho Chi Minh City 72915, Vietnam [4] King Saud Univ, CEREM [5] Natl Res Ctr, Dept Phys Chem, Electrochem & Corros Lab, El Behoth St 33, Cairo 12622, Egypt [6] Prince Sattam bin Abdulaziz Univ, Coll Arts & Sci, Dept Math, Wadi 11991, Al Dawaser, Saudi Arabia	Symmetry-Basel	Feb 2020	2.645 Q-2
39	Effect of Incorporated ZnO Nanoparticles on the Corrosion Performance of SiO ₂ Nanoparticle-	Ubair Abdus Samad [1] Mohammad Asif Alam [1]	[1] Center of Excellence for Research in Engineering Materials (CEREM), King Saud University,	Materials	Aug 2020	3.057 Q-2

	Based Mechanically Robust Epoxy Coatings	Arfat Anis [2] El-Sayed M. Sherif [1,3] Sulaiman I. Al-Mayman [4] Saeed M. Al-Zahrani [2]	[2] SABIC Polymer Research Center (SPRC), Chemical Engineering Department, King Saud University, [3] Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, El-Behoth St. 33, Dokki, Cairo 12622, Egypt [4] Water and Energy Research Institute (WERI), King Abdulaziz City for Science and Technology (KACST)			
--	--	---	---	--	--	--

Granted Patents 2020(

No	Title of Patent	Inventor Name	Affiliation (Assignee)	Patent Number	Date of Publication	Patent office (Country)
1	Method of Storing Exfoliated Nanoclay Particles	Refat Ahmed Ibrahim Elsheikhy Mosleh Ali Alshamrani	CoE King Saud University	7335	Dec 08, 2020	SPO
2	Method of producing eggshell-derived nanoparticles	Khalid Mustafa Osman Ortashi Manal Ahmed Gasmelseed Awad Awatif Ahmed Hendi	CoE King Saud University	US10856559B1	Dec 08, 2020	USPTO
3	Particle-to-working fluid heat exchanger and solar power generator using the same	Abdullah-Alaqel Shaker Saeed Saleh Nader Shaif Esmail Saeed Rageh Saadallah Ali Djajadiwinata Eldwin Alswaiyd Abdulelah Ibrahim Abdulaziz Al-Ansary Hany Abdulrahman JeterS heldon Moseley Elleathy Abdelrahman Mahmoud Zeitoun Obida Mohamed Alsuhaibani Zeyad Abdurhman Danish Syed Noman Abdel-Khalik Said Ibrahim Al-Zahrani	CoE King Saud University	10,788,021	Sep 29, 2020	USPTO

		Saeed Mohammed				
4	Multi-leg fiber reinforced concrete	Tarek H. Almusallam, Husain Abbas Yousef A. Al-Salloum Aref Abadel	CoE King Saud University	US 10,563,403 B1	Feb 18, 2020	USPTO
5	Method of connecting a circular concrete-filled steel tubular column to a reinforced concrete footing	Husain Abbas Yousef A. Al-Salloum Tarek H. Almusallam Nadeem A.Siddiqui Baha M.A. Khateeb	CoE King Saud University	US 10,563,402 B1	Feb 18, 2020	USPTO
6	An integral tile/foam building block and method for making same	Mohamed S. Morsy Tarek H. Almusallam Husain Abbas Yousef A. Al-Salloum	CoE King Saud University	US 10,738,469 B2	Aug 11, 2020	USPTO
7	Interlocking and insulated construction blocks	Yousef A. Al-Salloum Mohamed S. Morsy Tarek H. Almusallam Husain Abbas	CoE King Saud University	7246	Nov 04, 2020	SPA
8	Method of Synthesis of Bio Graphene Film	Ali Aldalbah, Manal Ahmed Awad Khalid Mustafa Osman Ortashi Shaykha Alzahly	CoE King Saud University	US 10,793,689	Oct 06, 2020	USPTO

9	Bio Buckypaper Synthesized with Fish Scales	Ali Aldalbahi Manal Ahmed Awad Khalid Mustafa Osman Ortashi Shaykha Alzahly	CoE King Saud University	US 10,689,257 B1	June 23, 2020	USPTO
10	Method of Producing Silver Nanoparticles Using Red Sand.	Manal Ahmed Awad Moudi Abdullah Rashed Alwehaibi Manal Mohammed Alkhulaifi Noura Saleem Aldosari Khalid Mustafa Osman Ortashi Awatif Ahmed Hendi	CoE King Saud University	US 10,751,802 B1	Aug 25, 2020	USPTO
11	Method of synthesizing watermelon seed particles.	Khalid Mustafa Osman Ortashi Manal Ahmed Awad	CoE King Saud University	US 10,588,929 B1.	Mar 17, 2020	USPTO
12	Multi-piston bladeless wind turbine	Ziad Abdulwahid Ghaleb Haider	CoE King Saud University	10,815,965	Oct 27, 2020	USPTO
13	Bed with retractable side Extension	Hany Hassan Aly Sayed Thamer Ali Albahkali Mohamed Elsayed Mohamed Bassuni	CoE King Saud University	US 10,617,583 B1	Apr 14,2020	USPTO
14	Curtain rod wall mount	Hany Hassan Aly Sayed Thamer Ali Albahkali	CoE King Saud University	US 10,743,700 B1	Ag 18,2020	USPTO

15	Plasmonic infrared optical Antenna	Ehab Awad	CoE King Saud University	US 10,768,363 B1	Sep 08, 2020	USPTO
16	Three-dimensional space-division y-splitter for multi core optical fibers	Ehab Awad	CoE King Saud University	7029	Aug 25, 2020	SPO
17	Device for Measuring Expansive Soil Shrinkage	Refat Ahmed Ibrahim Elsheikhy Mosleh Ali Alshamrani	CoE King Saud University	7051	Sep 01, 2020	USPTO
18	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	Hasan Bilani Abdullah M. Alqarni	CoE King Saud University	2612302	Aug 19, 2020	ARABIAN
19	Omnidirectional multiband antenna	Waleed Tariq Sethi Khaled Issa Muhammad Ahmed Ashraf Habib Fathallah Saleh Alshebeili	CoE King Saud University	D889,445	July 07, 2020	USPTO
20	System for forming at-shaped Tubular fitting	Atef Mohammed Abdo Ghaleb Mohamed Ali Eissa Adham Mohamed Azzat Ragab	CoE King Saud University	GC00 11359	July 05, 2020	GCC

21	Bladeless Wind Turbine	Ziad Abdulwahid Ghaleb Haider	CoE King Saud University	10,690,14	June 23, 2020	USPTO
22	Thermal sensing layer for microbolometer and method of making the same	M. Rami Abdulrahman Mohammad abdulaziz alduraibi	CoE King Saud University	10,648,865	Dec 15, 2020	USPTO

- **SPO**, Saudi Patent Office
- **USPTO**, United State Patent & Trademark Office
- **GCC/ARABIAN**, Gulf Patent Office