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Dean's Message

I am delighted to meet you through this report. It is an immense honor and privilege to be the Dean of the College of Engineering, a College that stands for excellence and continuously sets the highest standards in teaching and research.



Research is a priority to our College and the University. In addition to research efforts of individuals and groups, the College has research institutes, centers and chairs that connect the efforts of several groups of various disciplines. Cooperation and joint work in scientific research is an important factor in improving the quality of scientific research and benefiting from it, which is the current trend among researchers at the College of Engineering.

It is encouraging and delightful to know that a good percentage of the College faculty members are actively involved in quality research works, and I am pleased to report the impressive scientific accomplishment of the College faculty members in the year of 2017: 19 International and 4 National patents, and 310 research papers in ISI journals of high repute. These figures reflect a continuous improvement in the field of research and innovation by the College of Engineering. I congratulate the faculty members for their sound achievement.

Looking forward, the College of Engineering will make every effort to continue to be known for its high-quality research, innovation, and relevance to industry and society.

Dr. Waleed M. Zahid

Dean, College of Engineering

1- Summary

The data presented in this report, reflect the contribution of faculty members and research entities of the College of Engineering (CoE) towards publication of high quality ISI research papers in renowned journals, and acquiring international patents for their innovative research works in the year of 2017. It also provides comparison of the college research performance with international benchmarks. Details related to the papers and Patents mentioned in this report have been searched and thoroughly verified through SCOPUS, Google Scholar, ISI Web of Knowledge and Journal Citation Report.

Three hundred ten (310) research papers were published by the faculty members in peer-reviewed ISI journals of high repute. The average ISI research paper published per faculty member was in the range from 0.89 to 3.10 for the different College departments.

Thirty two percent (29%) of the college ISI papers were published by faculty members of the Chemical Engineering department. Members of the Electrical, Civil, Mechanical and Industrial Engineering departments published 21%, 13%, 12% & 10% of the total, respectively. The college research entities contributed about 12% of the total ISI publication

Achievements of faculty members of the Chemical, Electrical & Industrial Engineering department are higher than the US benchmark by 44%, 21% and 52%, respectively.

A total of 23 Patents were granted to faculty members of the CoE, which is the highest number of patents granted in a single calendar year. Twelve patents were granted to faculty members of the Civil Engineering department (Four KSA patents & Eight US patents). Five, three, and one US Patents were granted to faculty members from the Chemical, Industrial and Electrical Engineering departments, respectively. Also, one US Patent was granted to a joint team of the Mechanical & Chemical Engineering departments. This achievement enables us to compete with the international scientific community in the respective fields of Engineering

2- ISI Publication

2-1 CoE-ISI Publication for the Year 2017

310 ISI papers were published by the entire college in 2017. Figure-1 below shows the percent contribution of various academic departments and research entities in the publication of ISI journals. 29% of the college ISI papers were published by faculty members of the Chemical Engineering department. Members of the Electrical, Civil, and Mechanical Engineering departments published 21%, 13%, and 12% of the total, respectively, while the share of the Industrial Engineering was 10%, and that of the Petroleum Engineering was 3%. The College research entities contributed about 12% of the total publication.

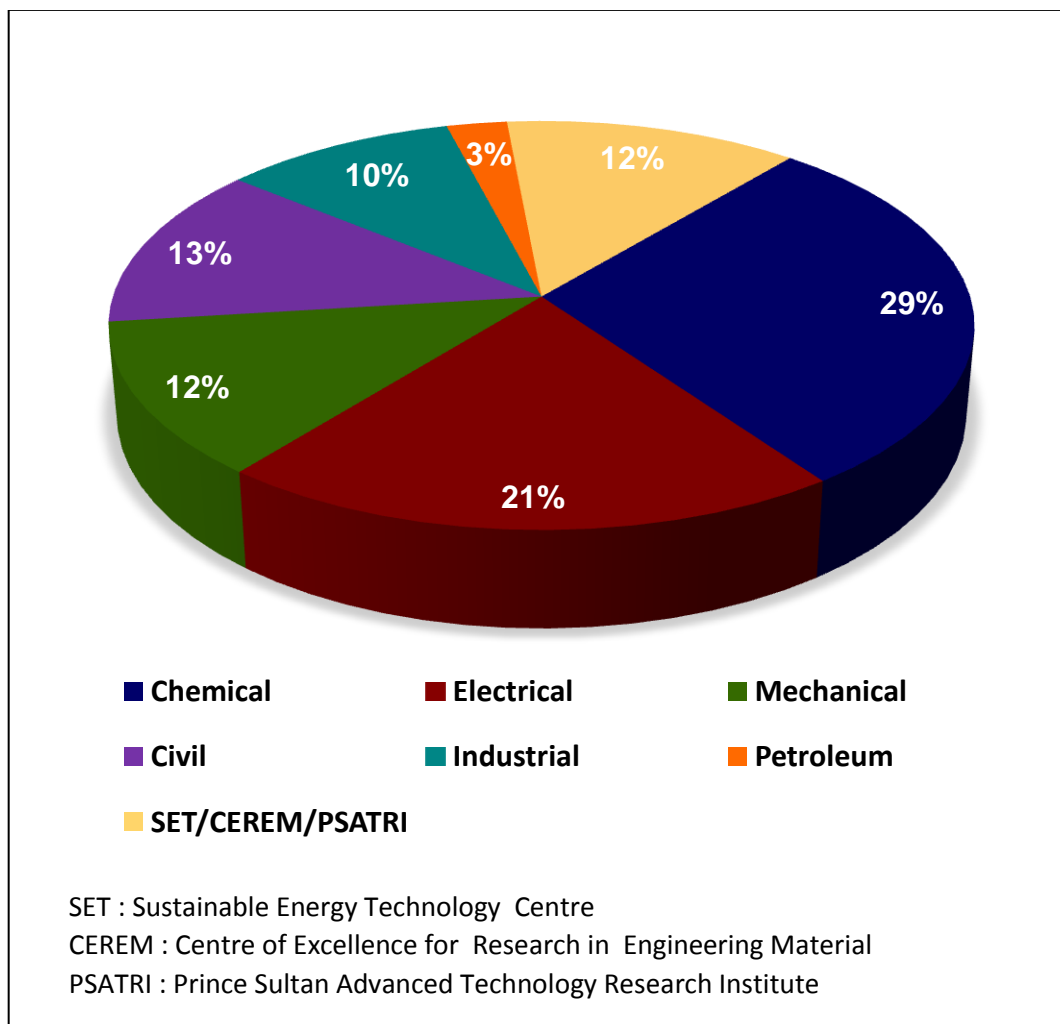


Figure-1: Contribution of the College Academic Departments and Research Entities in ISI Journals (2017)

2-2 ISI Papers of CoE versus US Benchmark for the Year 2017

Table-1 below presents the average values of ISI research papers published per faculty member for various departments in the year 2017, and compares them with US Benchmark (average for top 30 US Universities). It can be seen that in some of our Engineering departments, the achievements of faculty members are more than the US Benchmark of publication in ISI journals in respective disciplines. In comparison with the US Benchmark, achievements by faculty members of the Chemical, Electrical & Industrial Engineering department are higher by 44%, 21% and 52%, respectively. However, achievements of other departments of College are behind the US Benchmark. Figures 2-A & 2-B depict the previous results pictorially.

Figure-3 presents the quality of ISI papers published in 2017 as per JCR quartile rankings (JCR: Journal Citation Ranking).

**Table-1: ISI Papers per Faculty Member of CoE-KSU
Versus US Benchmark for the Year 2017**

Engineering Department	ISI Papers	Number of Faculty	CoE-KSU Achievement (ISI Paper/Faculty-year)	U.S. Benchmark* (ISI Paper/Faculty-year)	KSU/US	Difference with US Benchmark
Chemical	90	29	3.10	2.16	1.44	+44%
Electrical	64	49	1.31	1.08	1.21	+21%
Mechanical	38	40	0.95	1.3	0.73	-27%
Civil	40	55	0.73	1.0	0.73	-27%
Industrial	31	28	1.11	0.73	1.52	+52%
Petroleum	8	9	0.89	2.16	0.41	-59%

*U.S. Benchmark: Average for top 30 US Universities

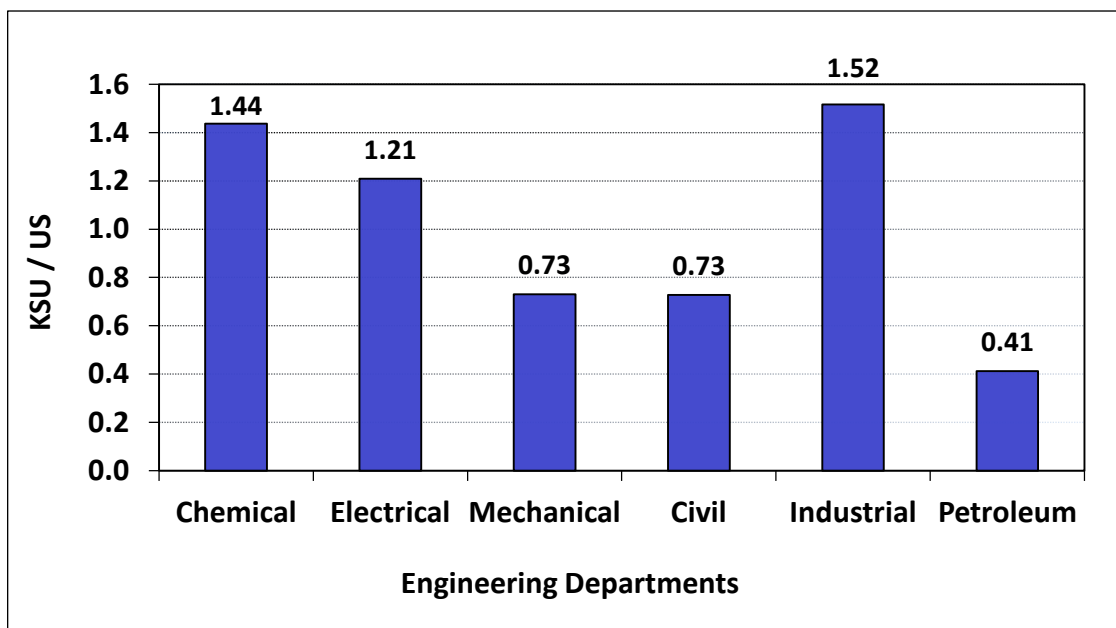


Figure-2-A: Ratio of “CoE ISI Papers per Faculty Member” to “US Benchmark ISI Papers per Faculty Member” for the Year 2017

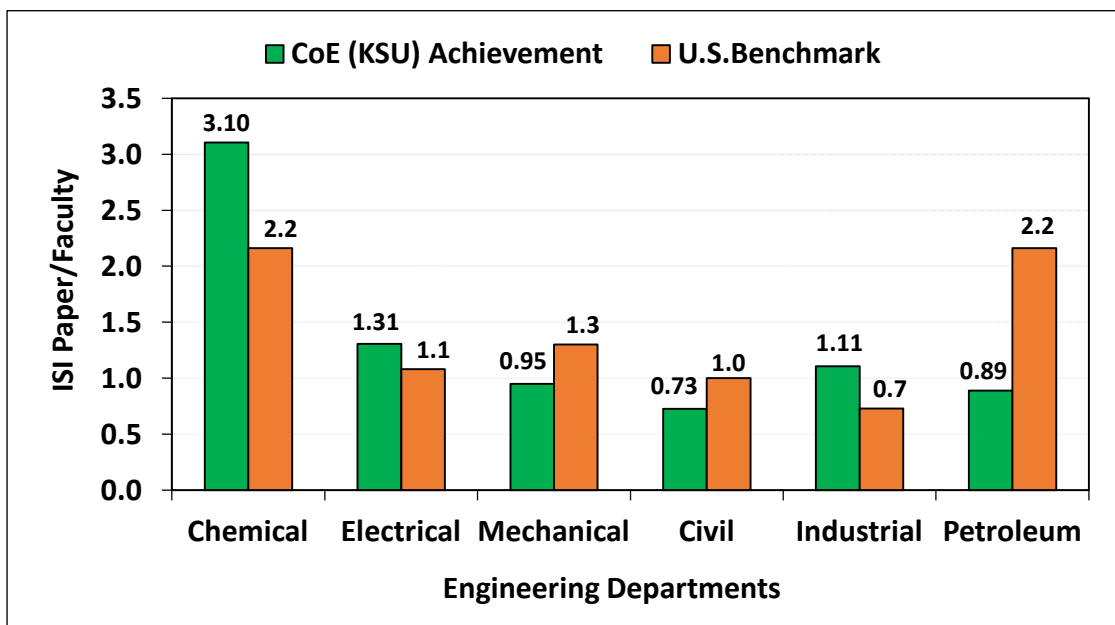


Figure-2-B: Comparison of ISI Papers per Faculty Member of CoE-KSU Versus US Benchmark for the Year 2017

US Benchmark: Average of 30 top US Universities

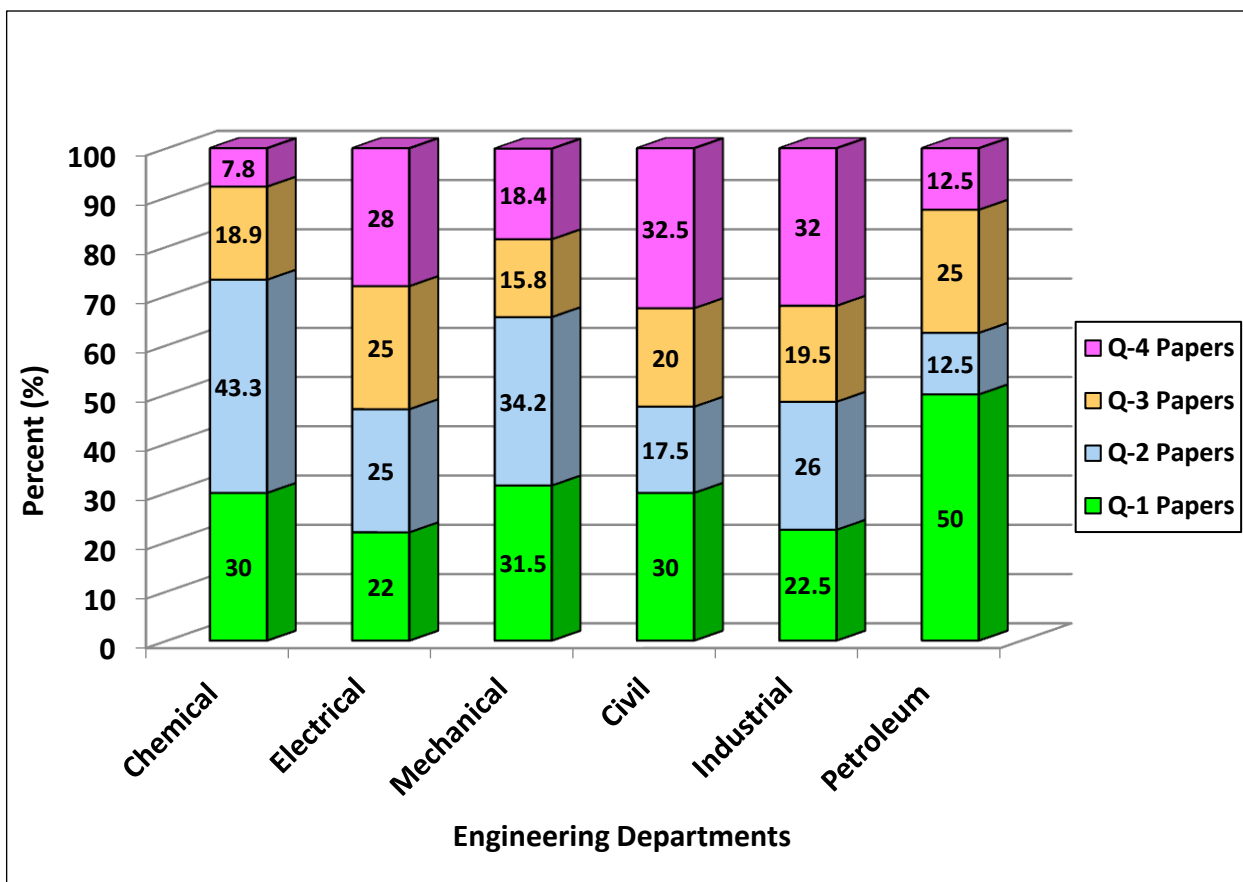


Figure-3: Quality of ISI Papers (Q-percentage) of various CoE Departments in 2017 as per JCR Quartile Rankings

2-3 CoE-ISI Publication for the Years 2014-2017

Table-2 below shows the numbers of ISI research papers published by faculty members of various departments and research entities of CoE in the years 2014, 2015, 2016 and 2017. Three hundred and ten papers were published in 2017.

It is evident from the table that there is a continuous improvement in number of ISI papers per faculty member in the last three years lead by the Chemical Engineering department and followed by the Electrical, Mechanical, Civil, Industrial and Petroleum Engineering department. Figure-4 below depicts these results.

Table-2: Summary of Published ISI Papers of CoE Departments and Research Entities during the Years 2014-2017

Department	Number of ISI Research Papers Published 2014	Number of ISI Research Papers Published 2015	Number of ISI Research Papers Published 2016	Number of ISI Research Papers Published 2017	Difference In Comparison With Last Year (2017 versus 2016) (%)
Chemical Engineering	98	100	125	90	- 28 %
Electrical Engineering	73	75	62	64	+ 3.2 %
Mechanical Engineering	55	73	70	38	- 45.7 %
Civil Engineering	47	48	63	40	- 36.5 %
Industrial Engineering	15	29	38	31	- 18.5 %
Petroleum & Nat. Gas Engineering	08	09	18	8	- 55.5 %
SET Sustainable Energy Technology Centre	50	60	23	33	+ 43.5 %
CEREM Centre of Excellence for Research in Engineering Material	20	23	30	04	- 86.5 %
PSATRI Prince Sultan Advanced Technology Research Institute	04	06	03	02	- 33 %
TOTAL	370	423	432	310	- 28 %

As shown in Figure-5, the total number of ISI papers published by the entire college increased from 370 in 2014 to 423 in 2015 & 432 in 2016, but there is a drop in 2017 in comparison with 2016 by almost 28%. However, the qualities of papers have increased in 2017.

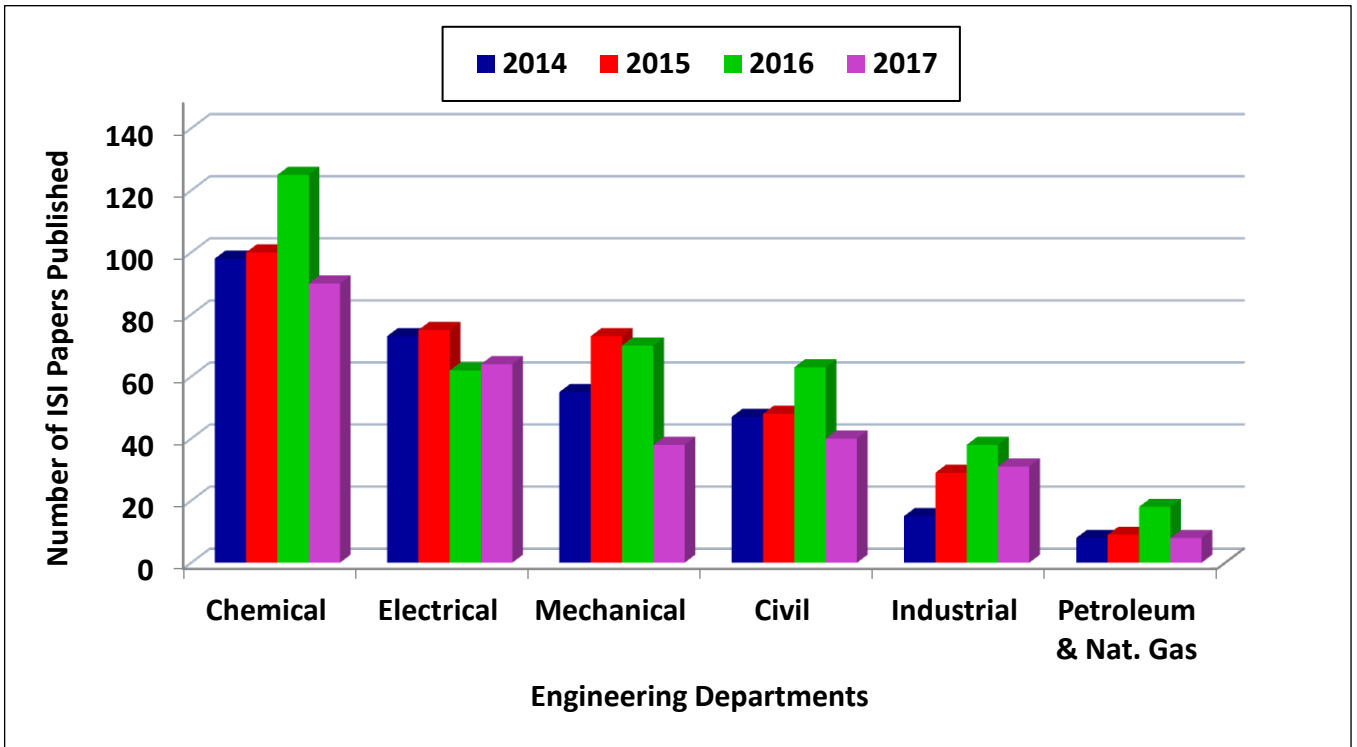


Figure-4: Published ISI Papers by CoE Departments during the Years 2014-2017

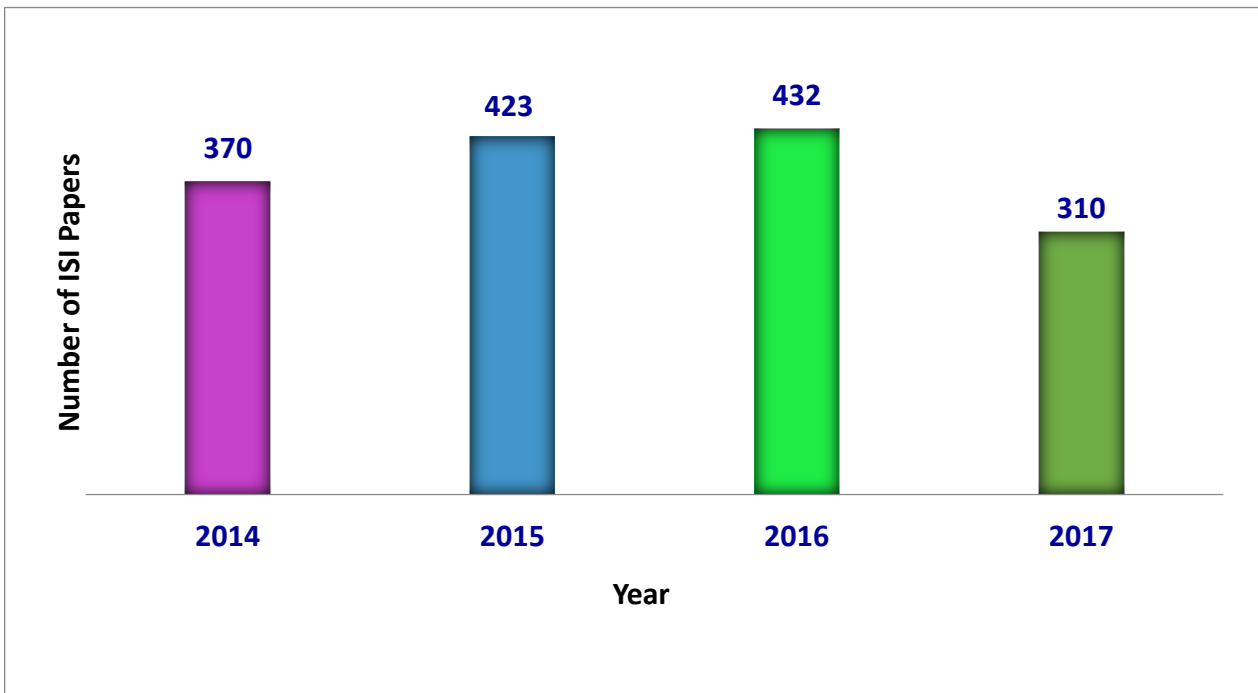


Figure-5: Total Number of ISI Papers Published by the College Departments and Research Entities during the Years 2014-2017

3- Patents

Figure-6 below shows the number of Patents granted to various CoE departments in the years 2016 & 2017.

A total of 23 Patents were obtained by the faculty members in 2017, which is the highest number of patents granted to CoE in a single calendar year. Four KSA & eight US patents were granted to faculty members of the Civil Engineering department.

Five US Patents and three US Patents were granted to faculty members from the Chemical and Industrial Engineering departments, respectively.

Two US Patents were granted to Electrical Engineering faculty members. Also, one US Patent was granted to a joint team of the the Mechanical & Chemical Engineering departments.

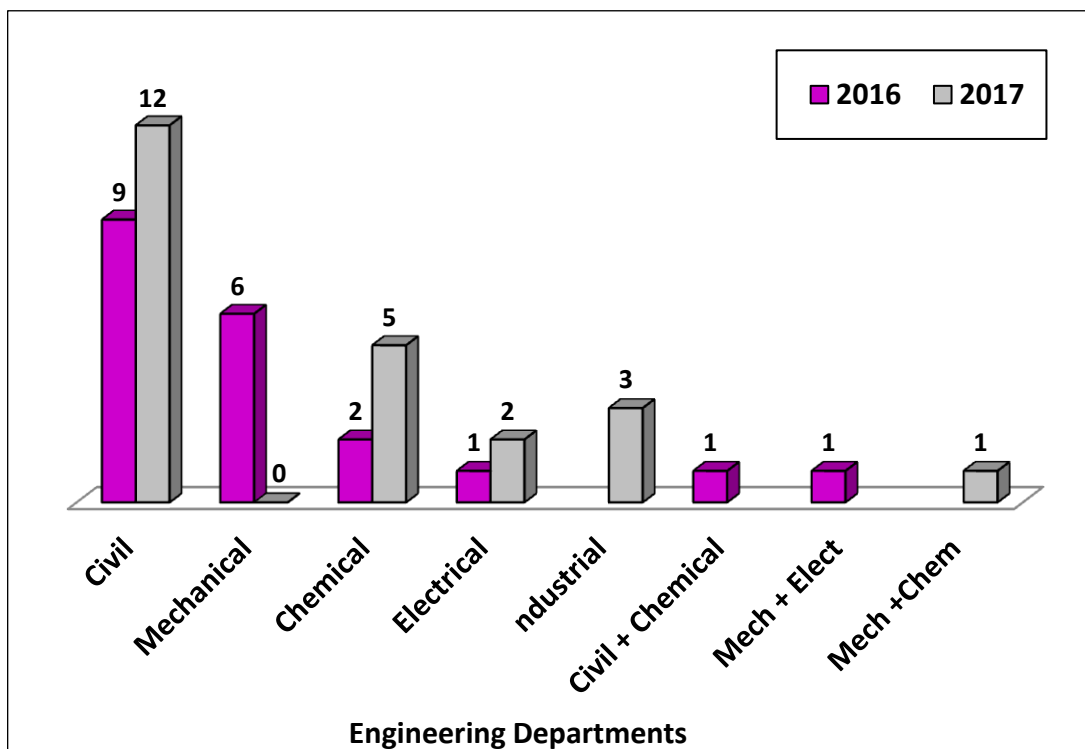


Figure-6: Granted Patents to CoE Departments for the Years 2016 & 2017

Appendix-A: Details of Published ISI Papers (2017)

Authors in blue color: From College of Engineering of KSU

Authors in black color: From other Colleges of KSU

Authors in red color: External, non KSU Members

Chemical Engineering Department
&
Related Research Unit (SABIC Polymer Research Center)

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Physical, structural and thermo mechanical properties of nano oil palm empty fruit bunch filler based epoxy nanocomposites	Saba, N Jawaid, M Paridah, MT Alothman, O	Univ Putra Malaysia King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh, Saudi Arabia Saudi Elect Univ, Grad Studies, Riyadh 11673, Saudi Arabia	Industrial Crops and Products	Dec 2017	3.181 Q-1	International Scientific Partnership Program ISPP at King Saud University ISPP0011
2	Dimethyl ether synthesis in a multi-stage fluidized bed reactor	Abashar, MEE	King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia.	Chemical Engineering and Processing	Dec 2017	2.234 Q-2	King Saud University, College of Engineering Research Center
3	Efficient solid state dye sensitized solar cell based on tricationic ionic crystal pyridinium-imidazolium electrolytes	Vekariya, RL Dhar, A Kumar, NS	Ton Duc Thang Univ, Ho Chi Minh City, Vietnam King Saud	Organic Electronics	Dec 2017	3.399 Q-1	N/A

		<p>Pal, R Roy, S</p>	<p>Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Bremen, Inst Inorgan Chem .Bremen, Germany</p> <p>Univ Calcutta, Dept Chem Engn, Rajabazar Sci Coll, India</p>				
4	Structural and magnetic properties of praseodymium substituted strontium-based spinel ferrites	<p>Ramay, SM Mahmood, A Farid, MT Ali, I Alzayed, NS Qaid, SAS</p>	<p>King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</p> <p>Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan</p>	Journal of Materials Science- Materials In Electronics	Dec 2017	2.019 Q-2	KSU RG1435-004

5	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption	Islam, MA Ahmed, MJ Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engr, Malaysia Khulna Univ, Forestry & Wood Bangladesh Baghdad Univ, Dept Chem Engr, Engr Coll, POB 47024, Baghdad, Iraq Govt Degree Coll, Dept Chem, Anantnag 192102, Jammu & Kashmir, India King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Environmental Management	Dec 2017	4.010 Q-1	KSU RGP-1437-31
6	Application of Amine and Copper Doped Magnesium Oxide Nanoparticles in Electrochemical Immunosensors for Detecting Brucella abortus	Khan, S Ansari, ZA Alothman, OY Fouad, H	Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, Ind	Nanoscience and Nanotechnology Letters	Nov 2017	1.889 Q-3	KSU RGP(-1435-052)

		<p>Ansari, SG</p> <p>King Saud Univ, Dept Chem Engn, Fac Engn, Riyadh 11421, Saudi Arabia</p> <p>Saudi Elect Univ, Deanship Grad Studies, Riyadh 13316, Saudi Arabia</p> <p>King Saud Univ, Appl Med Sci Dept, Community Coll, Riyadh 11437, Saudi Arabia</p> <p>Helwan Univ, Dept Biomed Engn, Fac Engn, Helwan 11792, Egypt</p>					
7	Thin layer chitosan-coated cellulose filter paper as substrate for immobilization of catalytic cobalt nanoparticles	<p>Kamal, T</p> <p>Khan, SB</p> <p>Haider, S</p> <p>Alghamdi, YG</p> <p>Asiri, AM</p>	<p>King Abdulaziz Univ, Dept Chem, Fac Sci, POB 80203, Jeddah 21589, Saudi Arabia</p> <p>King Abdulaziz Univ, Ctr Excellence Adv</p>	International Journal of Biological Macromolecules	Nov 2017	3.671 Q-2	KSU RG-1437-029

			<p>Mat Res, POB 80203, Jeddah 21589, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh, Saudi Arabia</p>				
8	Characterization of nanorosemary and encapsulated rosemary nanoparticles and their effect on lead induced toxicity in Wistar rats	<p>Virk, P Elobeid, M Awad, MA Hendi, AA Ortashi, KMO Siddiqui, MI</p>	<p>King Saud Univ, Dept Zool, Riyadh 11495, Saudi Arabia</p> <p>King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11495, Saudi Arabia</p> <p>King Saud Univ, Dept Phys, Riyadh 11495, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, Riyadh 11495, Saudi Arabia</p>	Journal of Environmental Biology	Nov 2017	0.697 Q-4	"Research Center of the Female Scientific and Medical Colleges", Deanship of Scientific Research, King Saud University, Riyadh. Saudi Arabia

9	Reinforcing the inner phase of the filled hydrogels with CNTs alters drug release properties and human keratinocyte morphology: A study on the gelatin-tamarind gum filled hydrogels	<p>Maharana, V Gaur, D Nayak, SK Singh, VK Chakraborty, S Banerjee, I Ray, SS Anis, Arfat Pal, K</p>	<p>Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela, India</p> <p>King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p>	Journal of The Mechanical Behavior of Biomedical Materials	Nov 2017	3.110 Q-2	N/A
10	Theoretical Investigation of Cubic BaVO ₃ and LaVO ₃ Perovskites via Tran-Blaha-Modified Becke-Johnson Exchange Potential Approach	<p>Rashid, M Abbas, Z Yaseen, M Mahmood, A Ramay, SM</p>	<p>COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan</p> <p>Univ Punjab, Ctr High Energy Phys, Pakistan</p> <p>Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</p> <p>King Saud Univ,</p>	Journal of Superconductivity and Novel Magnetism	Nov 2017	1.180 Q-3	KSU RG 1435-004

			Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia				
11	Polypropylene/multiwall carbon nanotubes nanocomposites: Nanoindentation, dynamic mechanical, and electrical properties	Chafidz, A Rengga, WDP Khan, R Kaavessina, M Almutlaq, AM Almasry, WA Ajbar, A	Univ Islam Indonesia, Dept Chem Engn, Yogyakarta 55584, Indonesia Univ Negeri Semarang, Dept Chem Engn, Semarang 50229, Indonesia King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia Univ Sebelas Maret, Dept Chem Engn, Surakarta 57126, Indonesia	Journal of Applied Polymer Science	Oct 2017	1.860 Q-2	KSU RGP-VPP-188
12	Isolation and characterization of microcrystalline cellulose from roselle fibers	Kian, LK Jawaid, Mohammad Ariffin, H	Univ Putra Malaysia, Inst Trop Forestry & Forest Prod Selangor,	International Journal of Biological Macromolecules	Oct 2017	3.671 Q-2	International Scientific Partnership Program ISPP at King

		Alothman, OY	<p>Malaysia</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</p> <p>Univ Putra Malaysia, Fac Biotechnol & Biomol Sci, Malaysia</p> <p>Saudi Elect Univ, Grad Studies, Riyadh 11673, Saudi Arabia</p>				<p>Saud University through ISPP-0011 & Universiti Putra Malaysia through Putra grant</p>
13	Liquid-liquid separation of azeotropic mixtures of ethanol/alkanes using deep eutectic solvents: COSMO-RS prediction and experimental validation	<p>Hadj-Kali, MK</p> <p>Hizaddin, HF</p> <p>Wazeer, Irfan</p> <p>El Blidi, L</p> <p>Mulyono, S</p> <p>Hashim, MA</p>	<p>King Saud Univ, Chem Engn Dept, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Malaya, Dept Chem Engn, Fac Engn, Kuala Lumpur 50603, Malaysia</p> <p>Univ Malaya, UMCiL, Kuala</p>	Fluid Phase Equilibria	Sep 2017	2.473 Q-2	<p>KSU RGP-VPP-108 & University of Malaya under the HIR Grant</p>

			Lumpur 50603, Malaysia				
14	Separation of aromatic and aliphatic hydrocarbons using deep eutectic solvents: A critical review	Hadj-Kali, MK Salleh, Z Ali, Emad Khan, Rawaiz Hashim, MA	King Saud Univ, Chem Engr Dept, Coll Engr, POB 800, Riyadh 11427, Saudi Arabia Univ Malaya, Dept Chem Engr, Fac Engr, Kuala Lumpur 50603, Malaysia Univ Malaya, UMCiL, Kuala Lumpur 50603, Malaysia	Fluid Phase Equilibria	Sep 2017	2.473 Q-2	KSU RG-1438- 073 & University of Malaya under the HIR Grant
15	A green process for simultaneous production of fructose and ethanol via selective fermentation	Putra, MD Sulieman, AK Abasaeed, Ahmed Gaily, Mohamed Al-Zahrani, SM Zeinelabdeen, MA Atiyeh, HK	King Saud Univ, Dept Chem Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia Lambung Mangkurat Univ, Chem Engr Dept, Indonesia Oklahoma State Univ, Biosyst &	Journal of Cleaner Production	Sep 2017	5.715 Q-1	King Saud University, Deanship of Scientific Research, College of Engineering Research Center

			Agr Engn, 74078 USA				
16	Micellization behaviour of surface active N-alkyl pyridinium dodecylsulphate task-specific ionic liquids in aqueous solutions	Vekariya, Rohit Kumar, NS	Ton Duc Thang Univ, Ho Chi Minh City, Vietnam Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City, Vietnam King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Colloids and Surfaces A-Physicochemical and Engineering Aspects	Sep 2017	2.714 Q-2	Ton Duc Thang University
17	Effectiveness factor of two-dimensional ring-shaped catalyst pellets	Asif, Mohammad Ibrahim, AA Mohammed, YA Al-Ghurabi, EH	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Polish Journal of Chemical Technology	Sep 2017	0.725 Q-4	KSU RGP-1437-003
18	Polysulfone-Poly(Orthotoluidine) Nanocomposite Membrane With an Improved Separation Performance	Alhoshan, M Alam, Javed Khan, Aslam Al Shabouna, FS Sasivarnam, S	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ,	Polymer Composites	Sep 2017	2.324 Q-2	National Science, Technology and Innovation Plan (NSTIP)

		Dass, LA Shukla, AK	King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia King Abdulaziz City Sci & Technol, Natl Ctr Water Technol, POB 6086, Riyadh 11442, Saudi Arabia				
19	Effective and high performance graphene electrode for acidic electrolyte supercapacitors prepared from commercial sugar by one-pot procedure	Yassin, MA Mohamed, IMA Al-Mubaddel, FS Barakat, NAM	Chonbuk Natl Univ, Bionanosyst Engn Dept, Jeonju 561756, South Korea King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia Menia Univ, Fac Engn, Chem Engn Dept, Al Minya, Egypt	Materials Letters	Aug 2017	2.572 Q-2	International Scientific Collaboratio n Program ISCP at King Saud University ISCP-002
20	Anti-corrosive performance of epoxy coatings containing	Alam, Mohammad	King Saud Univ, Adv Mfg Inst	Korean Journal of Chemical	Aug 2017	2.007 Q-2	Center of Excellence in

	various nano-particles for splash zone applications	Asif Samad, UA Khan, Rawaiz Alam, M Al-Zahrani, SM	AMI, Ctr Excellence Res Engr Mat CEREM, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Res Ctr, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia	Engineering			Engineering Materials (CEREM)
21	Cassava/sugar palm fiber reinforced cassava starch hybrid composites: Physical, thermal and structural properties	Edhirej, A Sapuan, SM Jawaid, Mohammad Zahari, NI	Univ Putra Malaysia, Dept Mech & Mfg Engr, , Malaysia Sabha Univ, Dept Chem & Mat Engr, Sabha, Libya Univ Putra Malaysia, Inst Trop Forestry & Forest Prod, Malaysia	International Journal of Biological Macromolecul es	Aug 2017		Exploratory Research Grant Scheme

			King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia				
22	Structural, Electrical and Dielectric Properties of Li-Ni Ferrite-Polystyrene Thin Film Nano-Composites	Ali, H Islam, MU Ali, I Ashiq, MN Ramay, SM Mahmood, Asif	Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan Bahauddin Zakariya Univ, Inst Chem Sci, Multan 60800, Pakistan King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia	Journal of Electronic Materials	Aug 2017	1.579 Q-3	KSU RG 1435-004
23	Synthesis of novel copper nanoparticles/ternary polymer blend nanocomposites and their structural, thermal and rheological properties and AC	Khalil, U Haider, S Khan, MS	Univ Peshawar, Jinnah Coll Pakistan Univ Peshawar,	Polymer International	Aug 2017	2.070 Q-2	KSU RG-1437-029

	impedance	Haider, A Khan, Rawaiz Alghyamah, AA Almasry, WA Bououdina, M	Natl Ctr Excellence Phys Chem, Peshawar, Pakistan King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia Yeungnam Univ, Dept Nano Med & Polymer Mat, Gyongsan, South Korea Univ Bahrain, Dept Phys, Zallaq, Bahrain				
24	Optimization of toxic biological compound adsorption from aqueous solution onto Silicon and Silicon carbide nanoparticles through response surface methodology	Gupta, VK Fakhri, A Rashidi, S Ibrahim, AA Asif, Mohammad Agarwal, S	Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa Islamic Azad Univ, Sci & Res Branch, , Tehran, Iran Islamic Azad Univ, Tehran, Iran	Materials Science & Engineering C- Materials for Biological Applications	Aug 2017	4.164 Q-2	KSU RGP-1437- 003

			King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia				
25	Microencapsulation of fish oil using supercritical antisolvent process	<p>Karim, FT Ghafoor, K Ferdosh, S Al-Juhaimi, F Ali, E Bin Yunus, K Hamed, MH Islam, A Asif, Mohammad Sarker, MZI</p>	<p>Int Islamic Univ Malaysia, Fac Pharm, Pahang, Malaysia King Saud Univ, Dept Food Sci & Nutr, Riyadh 11451, Saudi Arabia IIUM, Fac Sci, Kuantan Campus, Malaysia Univ Malaya, Nanotechnol & Kuala Lumpur 50603, Malaysia Univ Putra Malaysia, Fac Food Sci Malaysia Univ Asia Pacific, Dept Pharm, Dhaka, Bangladesh</p>	Journal of Food and Drug Analysis	July 2017	3.048 Q-1	International Scientific Partnership Program ISPP at King Saud University, Riyadh, Saudi Arabia ISPP 0026

			King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia				
26	Stearic Acid Modified Stearyl Alcohol Oleogel: Analysis of the Thermal, Mechanical and Drug Release Properties	Yadav, I Kasiviswathan, U Soni, C Paul, SR Nayak, SK Sagiri, SS Anis, Arfat Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela, India Amity Univ, Amity Inst Biotechnol, Noida, India CUNY City Coll, Ctr Discovery & Innovat, New York, NY, USA King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Surfactants and Detergents	July 2017	1.450 Q-3	N/A
27	Separation and Pre-Concentration of Pb and Cd in Water Samples Using 3-(2-hydroxyphenyl)-1H-1,2,4-triazole-5(4H)-thione (HTT) and Their Determination by Inductively Coupled Plasma Atomic Emission Spectrometry	Kumar, NS Dharmendra, V Sreenivasulu, V Asif, Mohammad Ibrahim, AA	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia Agilent Technol,	Metals	July 2017	1.984 Q-2	KSU RGP-1437-003

	(ICP-AES)	Balaram, V	CP-11, Sect 8, Manesar 122051, Gurgaon, India Jinan Univ, Inst Mass Spectrometer & Atmospher Environm, China Natl Geophys Res Inst, Council Sci & Ind Res, Hyderabad, AP, India				
28	Dependency of Anion and Chain Length of Imidazolium Based Ionic Liquid on Micellization of the Block Copolymer F127 in Aqueous Solution: An Experimental Deep Insight	Lunagariya, J Kumar, NS Asif, Mohammad Dhar, A Vekariya, RL	Jinan Univ, Dept Chem, Coll Chem & Mat Sci, Guangzhou 510632, Guangdong, Peoples R China King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia Govt West Bengal, Dept Sci & Technol, India Ton Duc Thang Univ, Dept	Polymers	July 2017	3.364 Q-1	KSU RGP-1437- 31

			Management Sci & Technol Dev, Vietnam Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City, Vietnam				
29	Techno-economic and environmental analysis of an integrated solar vacuum membrane distillation system for the treatment of reverse osmosis desalination brine	Triki, Z Bouaziz, MN Boumaza, M	Univ Medea, Dept Proc & Environm Engn, Lab Biomat & Transport Phenomena, Medea 26000, Algeria King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 12372, Saudi Arabia	Desalination and Water Treatment	July 2017	1.631 Q-2	N/A
30	Active removal of waste dye pollutants using Ta ₃ N ₅ /W ₁₈ O ₄₉ nanocomposite fibres	Jones, DR Gomez, V Bear, JC Rome, B Mazzali, F McGettrick, JD Lewis, AR	Swansea Univ, Energy Safety Res Inst, Bay Campus, Swansea SA1 8EN, W Glam, Wales UCL, Dept Chem, Mat Chem Ctr, 20	Scientific Reports	June 2017	4.259 Q-1	N/A

		Margadonna, S Al-Masry, WA Dunnill, CW	Gordon St, London WC1H 0AJ, England King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia				
31	Synthesis and characterization of polyvinyl alcohol-carboxymethyl tamarind gum based composite films	Yadav, I Rathnam, VSS Yogalakshmi, Y Chakraborty, S Banerjee, I Anis, Arfat Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 76900 Natl Inst Technol, Dept Ceram Engr, Rourkela 769008, India8, India King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Carbohydrate Polymers	June 2017	4.811 Q-1	N/A
32	Thermal decomposition of metal complex precursor as route to the synthesis of Co ₃ O ₄ nanoparticles: Antibacterial activity and mechanism	Kavitha, T Haider, Sajjad Kamal, T Ul-Islam, M	Profess Grp Inst, Dept Chem, Coimbatore 641662, Tamil Nadu, India King Saud Univ,	Journal of Alloys and Compounds	May 2017	3.133 Q-2	KSU RG-1437- 029

			<p>Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Abdulaziz Univ, CEAMR, Jeddah 21589, Saudi Arabia</p> <p>King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah 21589, Saudi Arabia</p> <p>Dhofar Univ, Coll Engn, Dept Chem Engn, Salalah, Oman</p>				
33	Nanoporous activated carbon prepared from karanj (Pongamia pinnata) fruit hulls for methylene blue adsorption	<p>Islam, MA</p> <p>Sabar, S</p> <p>Benhouria, A</p> <p>Khanday, WA</p> <p>Asif, M</p> <p>Hameed, BH</p>	<p>Univ Sains Malaysia, Sch Chem Engn, Penang, Malaysia</p> <p>Khulna Univ, Forestry & Wood Technol Bangladesh</p> <p>Univ Sains Malaysia, Penang,</p>	Journal of the Taiwan Institute of Chemical Engineers	May 2017	4.217 Q-1	KSU PRG-1437- 31

			<p>Malaysia</p> <p>Univ Ferhat Abbas Setif 1, Fac Technol, LGPC, Setif 19000, Algeria</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
34	Preparation of the chitosan/polyacrylonitrile semi-IPN hydrogel via glutaraldehyde vapors for the removal of Rhodamine B dye	<p>Al-Mubaddel, FS</p> <p>Haider, Sajjad</p> <p>Aijaz, MO</p> <p>Haider, A</p> <p>Kamal, T</p> <p>Almasry, WA</p> <p>Javid, M</p> <p>Khan, SUD</p>	<p>King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Yeungnam Univ, Dept Nano Med & Polymer Mat, South Korea</p> <p>King Abdulaziz Univ, Dept Chem, Fac Sci, POB 80203, Jeddah 21589, Saudi Arabia</p> <p>PAEC, Chem Div, POB 1331, Islamabad,</p>	Polymer Bulletin	May 2017	1.430 Q-3	KSU RG-1437-029

			Pakistan King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia				
35	Mesoporous-activated carbon prepared from chitosan flakes via single-step sodium hydroxide activation for the adsorption of methylene blue	Marrakchi, F Ahmed, MJ Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engn, Malaysia Univ Baghdad, Engn Coll, Dept Chem Engn, POB 47024, Baghdad, Iraq King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Biological Macromolecul es	May 2017	3.671 Q-2	International Scientific Partnership Program ISPP at King Saud University, Saudi Arabia -0042
36	Investigation of structural and magnetic properties of Zr-Co doped nickel ferrite nanomaterials	Ali, R Khan, MA Manzoor, A Shahid, M Haider, Sajjad Malik, AS	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan Govt Coll Univ, Dept Phys, Faisalabad	Journal of Magnetism and Magnetic Materials	May 2017	2.630 Q-2	KSU RG-1437- 029

		<p>Sher, M</p> <p>Shakir, I</p> <p>Farooq Warsi, M</p>	<p>38000, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>Bahauddin Zakariya Univ, Univ Coll Engn & Technol, , Pakistan</p> <p>Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol, Riyadh 11421, Saudi Arabia</p>				
37	Upgrading of glycerol from biodiesel synthesis with dimethyl carbonate on reusable Sr-Al mixed oxide catalysts	<p>Algoufi, YT</p> <p>Akpan, UG</p> <p>Kabir, G</p> <p>Asif, M</p> <p>Hameed, BH</p>	<p>Univ Sains Malaysia, Sch Chem Engn, Engn Campus, Nibong Tebal 14300, Penang, Malaysia</p> <p>Fed Univ Technol, Dept Chem Engn,</p>	Energy Conversion and Management	May 2017	5.589 Q-1	KSU PRG-1437- 31

			PMB 65, Minna, Nigeria King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia				
38	Silver nano-particles deposited on bamboo-based activated carbon for removal of formaldehyde	Rengga, WDP Chafidz, A Sudibandriyo, M Nasikin, M Abasaheed, AE	Univ Negeri Semarang, Dept Chem Engn, Semarang 50229, Indonesia Univ Indonesia, Dept Chem Engn, Depok 16424, Indonesia King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Environmental Chemical Engineering	April 2017	Newly Listed, NA	N/A
39	Development of a mathematical model for the prediction of concentration polarization in reverse osmosis desalination processes	Al-Mutaz, IS Alsubaie, FM	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Desalination And Water Treatment	April 2017	1.631 Q-2	KSU RGP-224

40	Performance and cost evaluation of an autonomous solar vacuum membrane distillation desalination plant	Triki, Z Bouaziz, MN Boumaza, M	Univ Medea, Dept Proc & Environm Engn, Medea 26000, Algeria King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 12372, Saudi Arabia	Desalination and Water Treatment	April 2017	1.631 Q-2	N/A
41	Thermal, Swelling and Stability Kinetics of Chitosan Based Semi-Interpenetrating Network Hydrogels	Aijaz, MO Haider, Sajjad Al-Mubaddel, FS Khan, Rawaiz Haider, A Alghyamah, AA Almasry, WA Khan, MSJ Javids, M Rehman, WU	King Saud Univ, Ctr Excellence Res Engn Mat, Adv Mfg Inst, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Yeungnam Univ, Coll Engn, Dept Nano Med & Polymer Mat, Gyongsan 38541, South Korea Kyungpook Natl Univ, Dept Chem, Daegu 41566, South	Fibers and Polymers	April 2017	1.113 Q-1	KSU RG-1437- 029

			<p>Korea</p> <p>PAEC, Div Chem, Islamabad 44000, Pakistan</p> <p>UET, Dept Chem Engn, Peshawar 25000, Pakistan</p>				
42	Batch and Fed-Batch Degradation of Enrofloxacin by the Fenton Process	<p>Frade, VMF</p> <p>Converti, A</p> <p>Al Arni, S</p> <p>Silva, MF</p> <p>Palma, MSA</p>	<p>Univ Sao Paulo, Dept Biochem & Pharmaceut Technol, Brazil</p> <p>Univ Genoa, Dept Civil Chem & Environm Engn, Genoa, Italy</p> <p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Fed Pernambuco, Biosci Ctr, Ave Prof Moraes Rego, Brazil</p>	Chemical Engineering & Technology	April 2017	2.051 Q-2	KSU IRG14-24
43	A review on potential development of flame retardant kenaf fibers reinforced polymer	<p>Saba, N</p> <p>Jawaid, M</p>	<p>Univ Putra Malaysia, Inst Trop Forestry &</p>	Polymers for Advanced Technologies	April 2017	1.907 Q-2	International Scientific Partnership

	composites	Alothman, OY Inuwa, IM Hassan, A	Forest Prod INTROP, Malaysia King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia Univ Teknol, Fac Chem & Energy Engn, Johor Baharu 81310, Johor, Malaysia				Program ISPP at King Saud University- 0011
44	Mesoporous activated carbon prepared from NaOH activation of rattan (<i>Lacosperma secundiflorum</i>) hydrochar for methylene blue removal	Islam, MA Ahmed, MJ Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, , Malaysia Khulna Univ, Forestry & Wood Technol Bangladesh Univ Baghdad, Dept Chem Engn, POB 47024, Baghdad, Iraq King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421,	Ecotoxicology and Environmental Safety	April 2017	3.743 Q-1	International Scientific Partnership Program ISPP at King Saud University through ISPP-0042

			Saudi Arabia				
45	Effect of particle mixing on the hydrodynamics of fluidized bed of nanoparticles	Ali, SS Asif, Mohammad	King Faisal Univ, Dept Chem Engr, POB 380, Al Hasa 31982, Saudi Arabia King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Powder Technology	April 2017	2.942 Q-2	KSU PRG-1437-31
46	Mechanical, morphological and structural properties of cellulose nanofibers reinforced epoxy composites	Saba, N Mohammad, F Pervaiz, M Jawaid, M. Alothman, OY Sain, M	Univ Putra Malaysia, Malaysia King Saud Univ, Dept Chem, Coll Sci, Surfactant Res Chair, POB 2455, Riyadh 11451, Saudi Arabia Univ Toronto, Ctr Biocomposites & Biomat Proc, Canada King Saud Univ, Dept	International Journal of Biological Macromolecules	April 2017	3.671 Q-2	International Scientific Partnership Program ISPP at King Saud University through ISPP -0011

			Chem Engn, Coll Engn, POB 2455, Riyadh 11451, Saudi Arabia				
47	Dual ion selective fluorescence sensor with potential applications in sample monitoring and membrane sensing	Kumawat, LK Asif, M Gupta, VK	Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa King Saud Univ Riyadh, De pt Chem Engn, Riyadh, Saudi Arabia	Sensors and Actuators B- Chemical	March 2017	5.401 Q-1	KSU PRG-1437- 31
48	Development and techno-economic analysis of small modular nuclear reactor and desalination system across Middle East and North Africa region	Khan, Salah Ud- Din Khan, SUD Haider, Sajjad El-Leathy, A Rana, UA Danish, SN Ullah, R	King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia Chinese Acad Sci, Inst Plasma Phys, Hefei, Anhui, Peoples R China King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421,	Desalination	March 2017	5.527 Q-1	KSU RGP-255

			<p>Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Helwan Univ, Fac Engn, Dept Power Mech Engn, Egypt</p> <p>Fudan Univ, Dept Opt Sci & Engn, R China</p> <p>COMSATS Inst Informat Technol, Dept Phys, Islamabad 45550, Pakistan</p>				
49	Surface passivation of silicon nanowires based metal nano-particle assisted chemical etching for photovoltaic applications	<p>Ben Rabha, M</p> <p>Khezami, L</p> <p>Jemai, AB</p> <p>Alhathloul, R</p> <p>Ajbar, A</p>	<p>Res & Technol Ctr Energy, Lab Photovolta, 2050, Tunisia</p> <p>IMSIU, Coll Sci, Dept Chem, Po Box 5701, Riyadh 11432, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Dept</p>	Journal of Crystal Growth	March 2017	1.751 Q-3	KSU RGP-VPP- 188

			<p>Chem Engn, P Box 800, Riyadh 11421, Saudi Arabia</p> <p>IMSIU, Coll Sci, Dept Phys, P Box 5701, Riyadh 11432, Saudi Arabia</p> <p>Riyadh Coll Technol, Tech & Vocat Training Corp, P Box 42826, Riyadh 11551, Saudi Arabia</p>				
50	Synthesis of nanocomposites from polyacrylamide and graphene oxide: Application as flocculants for water purification	<p>Manafi, MR</p> <p>Manafi, P</p> <p>Agarwal, S</p> <p>Bharti, AK</p> <p>Asif, M</p> <p>Gupta, VK</p>	<p>Islamic Azad Univ, South Tehran Branch, Dept Appl Chem, Tehran, Iran</p> <p>Amirkabir Univ Technol, Tehran Polytech, Mahshahr, Iran</p> <p>Univ Johannesburg, Dept Appl Chem, South Africa</p>	Journal of Colloid and Interface Science	March 2017	4.233 Q-1	<p>KSU PRG-1437- 31 & Islamic Azad University, South Tehran Branch</p>

			King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia				
51	Synthesis and characterization of MnS ₂ /reduced graphene oxide nanohybrid: an efficient adsorbent for pharmaceutical compound removal	Fakhri, A Rashidi, S Asif, Mohammad Ibrahim, AA	Islamic Azad Univ, Sci & Res Branch, Tehran, Iran Islamic Azad Univ, Dept Chem Engr, Tehran, Iran King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia	Desalination and Water Treatment	March 2017	1.631 Q-2	KSU RGP-1437-003
52	Dynamic modeling of the isoamyl acetate reactive distillation process	Ali, SS Hossain, SKS Asif, Mohammad	King Faisal Univ, Dept Chem Engr, POB 380, Al Hasa 31982, Saudi Arabia King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Polish Journal of Chemical Technology	March 2017	0.725 Q-4	KSU PRG-1437-31

53	Determination of Boron, Phosphorus, and Molybdenum Content in Biosludge Samples by Microwave Plasma Atomic Emission Spectrometry (MP-AES)	<p>Sreenivasulu, V Kumar, NS Dharmendra, V Asif, Mohammad Balaram, V Zhengxu, H Zhen, Z</p>	<p>Jinan Univ, Inst Mass Spectrometry & Atmospher Environm, Peoples R China King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia Agilent Technol, IMT, CP-11, Sect-8, Manesar 122051, Gurgaon, India Natl Geophys Res Inst, Council Sci & Ind Res, India</p>	Applied Sciences-Basel	March 2017	1.679 Q-3	KSU PRG-1437-31
54	Development of QSAR model to predict the ecotoxicity of <i>Vibrio fischeri</i> using COSMO-RS descriptors	<p>Ben Ghanem, O Mutalib, MIA Leveque, JM El-Harbawi, M</p>	<p>Univ Teknol Petronas, , Malaysia Univ Teknol Petronas, Fundamental & Appl Sci Dept, Tronoh 31750, Perak, Malaysia</p>	Chemosphere	March 2017	4.208 Q-1	KSU RGP-303 & Centre of Research in Ionic Liquid (CORIL), Universiti Teknologi PETRONAS

			King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia				
55	An easily accessible optical chemosensor for Cu ²⁺ based on novel imidazoazine framework, its performance characteristics and potential applications	Kumawat, LK Kumar, M Bhatt, P Sharma, A Asif, M Gupta, VK	Univ Johannesburg, Dept Appl Chem, South Africa Indian Inst Technol Roorkee, India GITAM Univ, GITAM Inst Sci, Dept Chem, India King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia	Sensors And Actuators B-Chemical	March 2017	5.401 Q-1	KSU PRG-1437-31 & CSIR-New Delhi (India)
56	Separation of proteins and antifouling properties of polyphenylsulfone based mixed matrix hollow fiber membranes	Dass, LA Alhoshan, M Alam, Javed Muthumareeswaran, MR Figoli, A	King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia King Saud	Separation and Purification Technology	March 2017	3.359 Q-1	NPST 12-ADV2611-02

		Shukla, AK	Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Univ Calabria, Inst Membrane Technol CNR ITM, Arcavacata Di Rende, CS, Italy				
57	Copper doped manganese ferrites nanoparticles anchored on graphene nano-sheets for high performance energy storage applications	Bashir, B Shaheen, W Asghar, M Warsi, MF Khan, MA Haider, Sajjad Shakir, Imran Shahid, M	Islamia Univ, Dept Chem, Baghdad ul Jadeed Campus, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, SET Ctr, POB 800, Riyadh 11421, Saudi Arabia	Journal Of Alloys And Compounds	Feb 2017	3.133 Q-2	KSU RG-1437- 029 & Higher Education Commission of Pakistan
58	Structural, magnetic and dielectric properties of Yb ³⁺ doped BaCo-X hexagonal nanoferrites	Khan, MA Ullah, H Junaid, M	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur	Journal of Alloys and Compounds	Feb 2017	3.133 Q-2	N/A

		<p>Sharif, MK</p> <p>Alboud, MF</p> <p>Warsi, MF</p> <p>Haider, Sajjad</p>	<p>63100, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Al Azhar Univ, Min Met & Petr Engn Dept, Fac Engn, Cairo 11371, Egypt</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p>				
59	Development of a nanocomposite ultrafiltration membrane based on polyphenylsulfone blended with graphene oxide	<p>Shukla, AK</p> <p>Alam, Javed</p> <p>Alhoshan, M</p> <p>Dass, LA</p> <p>Muthumareeswaran, MR</p>	<p>King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421,</p>	Scientific Reports	Feb 2017	4.259 Q-1	King Abdullah Institute for Nanotechnology, Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia

			Saudi Arabia				
60	Engineered nanostructures: A review of their synthesis, characterization and toxic hazard considerations	Al-Mubaddel, FS Haider, Sajjad Al-Masry, WA Al-Zeghayer, Y Imran, Muhammad Haider, A Ullah, Zahoor	King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia Kyungpook Natl Univ, Dept Polymer Sci, 1370, South Korea	Arabian Journal of Chemistry	Feb 2017	4.553 Q-1	KSU RGP-VPP-107
61	Fabrication and characterization of zinc oxide nanofibers for renewable energy applications	Imran, Muhammad Haider, Sajjad Ahmad, Kaleem Mahmood, Asif Al-Masry, WA	King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia	Arabian Journal of Chemistry	Feb 2017	4.553 Q-1	KSU RGP-VPP-107
62	RKKY magnetic interactions in chemically synthesized Zn _{0.95-x} Fe _{0.05} Al _x O (x=0, 0.03, 0.05, 0.07) nanocrystallites	Ramay, SM Saleem, M Atiq, S Siddiqi, SA Imran,	King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia Supervisor Ind	Arabian Journal of Chemistry	Feb 2017	4.553 Q-1	KSU RGP-VPP-106

		<p>Muhammad Al-Zeghayer, YS Al-Awadi, AS Haider, S Mahmood, Asif</p>	<p>Catalysts Res Chair KSU, Riyadh, Saudi Arabia</p> <p>Univ Punjab, Ctr Solid State Phys, Pakistan</p> <p>COMSATS Inst Informat Technol, Lahore, Pakistan</p>				
63	Preparation, characterization and antibacterial effects of eco-friendly gold nanorods	<p>Awad, MA Hendi, AA Virk, P Ortashi, KM Elobeid, MA Merghani, NM Siddiqui, MI Ibrahim, EM</p>	<p>King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Fac Sci, Dept Phys, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Dept Zool, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</p>	Tropical Journal of Pharmaceutical Research	Feb 2017	0.569 Q-4	KSU RGP- 278

			King Saud Univ, Cent Lab, Riyadh, Saudi Arabia King Saud Univ, Prince Naif Ctr Heath Sci Res, Riyadh, Saudi Arabia				
64	Microwave-Assisted Synthesis of SiC Nanoparticles for the Efficient Adsorptive Removal of Nitroimidazole Antibiotics from Aqueous Solution	Fakhri, A Rashidi, S Asif, Mohammad Ibrahim, AA	Islamic Azad Univ, Sci & Res Branch, Tehran, Iran Islamic Azad Univ, South Tehran ,Iran King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Applied Sciences-Basel	Feb 2017	1.679 Q-3	KSU RGP-1437-003
65	Mesoporous carbonaceous material from fish scales as low-cost adsorbent for reactive orange 16 adsorption	Marrakchi, F Ahmed, MJ Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engn, , Malaysia Univ Baghdad, Dept Chem Engn, POB 47024,	Journal of the Taiwan Institute of Chemical Engineers	Feb 2017	4.217 Q-1	International Scientific Partnership Program ISPP at King Saud University - 0042

			<p>Baghdad, Iraq</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
66	Ni nanoparticles prepared by simple chemical method for the synthesis of Ni/NiO-multi-layered graphene by chemical vapor deposition	<p>Ali, M</p> <p>Remalli, N</p> <p>Gedela, V</p> <p>Padya, B</p> <p>Jain, PK</p> <p>Al-Fatesh, A</p> <p>Rana, UA</p> <p>Srikanth, VVSS</p>	<p>Univ Hyderabad, SEST, Hyderabad 500046, Andhra Prades, India</p> <p>Int Adv Res Ctr Powder Met & New Mat ARCI, Ctr Carbon Mat, Hyderabad ,India</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi</p>	Solid State Sciences	Feb 2017	1.811 Q-2	N/A

			Arabia				
67	Cross-linked beads of activated oil palm ash zeolite/chitosan composite as a bio-adsorbent for the removal of methylene blue and acid blue 29 dyes	Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engr, Malaysia King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	International Journal Of Biological Macromolecul es	Feb 2017	3.671 Q-2	International Scientific Partnership Program ISPP at King Saud University- 0042
68	Ultrafiltration membrane for effective removal of chromium ions from potable water	Muthumareeswaran, MR Alhoshan, M Agarwal, GP	King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia Indian Inst Technol Delhi, New Delhi 110016, India King Saud Univ, Dept Chem Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Scientific Reports	Feb 2017	4.259 Q-1	King Abdullah Institute for Nanotechnol ogy, Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia
69	Synthesis and Assessment of Novel Gelatin-Chitosan Lactate	Shaw, GS	Natl Inst Technol Rourkela, Dept	Polymer- Plastics	Feb 2017	1.232 Q-3	KSU RG 1435-

	Cohydrogels for Controlled Delivery and Tissue Engineering Applications	Pandey, PM Yogalakshmi, Y Banerjee, I Al-Zahrani, SM Anis, Arfat Pal, K	Biotechnol & Med Engr, Odisha 769008, India King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia	Technology and Engineering			015
70	Fly ash as an adsorbent for the removal of reactive blue 25 dye from aqueous solutions: optimization, kinetic and isotherm investigations	Deshannavar, UB Katageri, BG El-Harbawi, M Parab, A Acharya, K	KLE Dr MS Sheshgiri Coll Engr & Technol, Dept Chem Engr, Belgaum 590008, Karnataka, India KLE Dr MS Sheshgiri Coll Engr & Technol, Karnataka, India King Saud Univ, Coll Engr, Chem Engr Dept, Riyadh 11421, Saudi Arabia	Proceedings of The Estonian Academy of Sciences	Feb 2017	0.737 Q-3	KSU RGP-303
71	Preparation and Spectroscopic, Microscopic, Thermogravimetric, and Electrochemical	Ansari, AA Labis, JP	King Saud Univ, King Abdullah Inst Nanotechnol,	Analytical Letters	Feb 2017	1.150 Q-3	KSU RG 1435-004

	Characterization of Silver-Doped Cerium(IV) Oxide Nanoparticles	Alam, M Ramay, SM Ahmed, N Mahmood, A Mahmood, Asif	Riyadh 11451, Saudi Arabia King Saud Univ, Coll Sci, Res Ctr, Riyadh, Saudi Arabia King Saud Univ, Dept Phys, Riyadh, Saudi Arabia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia				
72	Variation of distillate flux in direct contact membrane distillation for water desalination	Al-Mutaz, IS Al-Motek, AS Wazeer, Irfan	King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Desalination And Water Treatment	Feb 2017	1.631 Q-2	KSU RGP-224
73	Novel agar-stearyl alcohol oleogel-based bigels as structured delivery vehicles	Kodela, SP Pandey, PM Nayak, SK Uvanesh, K Anis, Arfat Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela, India King Saud Univ, Dept Chem Engn,	International Journal Of Polymeric Materials And Polymeric Biomaterials	Feb 2017	1.515 Q-4	Science and Engineering Research Board (SERB), Govt. of India

			SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia				
74	Effects of Minor Additions of Polypyrrole on the Thermal, Mechanical and Electrochemical Properties of Epoxy-2Pack Coatings	Alam, Mohd Asif Samad, UA Sherif, ESM Alothman, O Seikh, AH Al-Zahrani, SM	King Saud Univ, Ctr Excellence Res Engn Mat CEREM, Adv Mfg Inst AMI, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Chem Engn, Coll Engn, SABIC Polymer Res Ctr SPRC, POB 800, Riyadh 11421, Saudi Arabia	International Journal Of Electrochemical Science	Jan 2017	1.469 Q-3	KSU CoE (CEREM)
75	An Overview on Polylactic Acid, its Cellulosic Composites and Applications	Saba, N Jawaid, Mohd	Univ Putra Malaysia, Inst Trop Forestry & Forest Prod	Current Organic Synthesis	Jan 2017	1.917 Q-3	Universiti Putra Malaysia, Malaysia

		Al-Othman, O	INTROP, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia				
76	An in-Depth Analysis of the Swelling, Mechanical, Electrical, and Drug Release Properties of Agar-Gelatin Co-Hydrogels	Pandey, PM Nayak, SK Shaw, GS Uvanesh, K Banerjee, I Al-Zahrani, SM Anis, Arfat Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Polymer- Plastics Technology And Engineering	Jan 2017	1.232 Q-3	KSU RGP-095
77	Comparison of Response Surface Methodology and Artificial Neural Network for Modeling Xylose-to-Xylitol Bioconversion	Sampaio, FC De Faria, JT Silva, GDD Goncalves, RM Pitangui, CG Casazza, AA Al Arni, S Converti, A	Fed Univ Vales Jequitinhonha & Mucuri, Dept Pharm, MG, Brazil Univ Fed Minas Gerais, Inst Agr Sci, Av Univ, Brazil Univ Fed Sao Joao del Rei, Dept Technol &	Chemical Engineering & Technology	Jan 2017	2.051 Q-2	KSU IRG14-24

			<p>Civil Engn, Brazil</p> <p>Univ Genoa, Dept Civil Chem & Environm Engn, Via Opera Pia 15, I-16145 Genoa, Italy</p> <p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
78	Modeling of CO2 Solubility in Selected Imidazolium-Based Ionic Liquids	<p>Ali, Emad</p> <p>Hadj-Kali, MK</p> <p>Alnashef, Inas</p>	<p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Masdar Inst Sci & Technol, Dept Chem & Environm Engn, Abu Dhabi, U Arab Emirates</p>	Chemical Engineering Communicatio ns	Jan 2017	1.297 Q-3	KSU RGP-VPP- 108
79	Preparation and Characterization of Cassava Bagasse Reinforced Thermoplastic Cassava Starch	<p>Edhirej, A</p> <p>Sapuan, SM</p> <p>Jawaid, Mohd</p>	<p>Univ Putra Malaysia, Dept Mech & Mfg Engn, Selangor,</p>	Fibers And Polymers	Jan 2017	2.562 Q-1	University Putra Malaysia through Exploratory

		Zahari, NI	Malaysia Sabha Univ, Dept Chem & Mat Engr, Sabha, Libya Univ Putra Malaysia, Biocomposites Technol, , Malaysia King Saud Univ, Dept Chem Engr, Coll Engr, Riyadh 12372, Saudi Arabia				Research Grant Scheme
80	Mesoporous zeolite-activated carbon composite from oil palm ash as an effective adsorbent for methylene blue	Khanday, WA Marrakchi, E Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engr, Engr Campus, India Univ Sfax, Ecole Natl Ingenieurs Sfax, Tunisia King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal of The Taiwan Institute of Chemical Engineers	Jan 2017	4.217 Q-1	International Scientific Partnership Program ISPP at King Saud University - 0042

81	Recent advances in the synthesis, functionalization and biomedical applications of hydroxyapatite: a review	Haider, A Haider, Sajjad Han, SS Kang, IK	Kyungpook Natl Univ, Sch Appl Chem Engr, Daegu 702701, South Korea Yeungnam Univ, Coll Engr, Biomat Lab, , South Korea King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	RSC Advances	Jan 2017	3.108 Q-2	National Research Foundation of Korea (NRF)
82	Effect of various plasticizers and concentration on the physical, thermal, mechanical, and structural properties of cassava-starch-based films	Edhirej, A Sapuan, SM Jawaid, Mohd Zahari, NI	Univ Putra Malaysia, Dept Mech & Mfg Engr, Malaysia Sabha Univ, Dept Chem & Mat Engr, Sabha, Libya Univ Putra Malaysia, Inst Trop , Malaysia King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh, Saudi	Starch-Starke	Jan 2017	1.837 Q-2	University Putra Malaysia

			Arabia				
83	First principles study of the structural and optoelectronic properties of the A(2)InSbO(6) (A = Ca, Sr, Ba) compounds	Wong, KM Irfan, M Mahmood, Asif Murtaza, G	Amer Phys Soc, College Pk, MD 20740 USA Allama Iqbal Open Univ, Dept Phys, Islamabad, Pakistan King Saud Univ, Dept Chem Engn, Coll Engn, POB 2455, Riyadh 11451, Saudi Arabia Islamia Coll Peshawar, Dept Phys, Kpk, Pakistan	OPTIK	Jan 2017	0.835 Q-4	KSU RGP-VPP- 311
84	Preparation, Characterization and Assessment of the Novel Gelatin-tamarind Gum/Carboxymethyl Tamarind Gum-Based Phase-Separated Films for Skin Tissue Engineering Applications	Shaw, GS Biswal, D Anupriya, B Banerjee, I Pramanik, K Anis, Arfat Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India King Saud Univ, Dept Chem Engn, SABIC Polymer Res Ctr, Riyadh, Saudi Arabia	Polymer- Plastics Technology and Engineering	Jan 2017	1.232 Q-3	National Institute of Technology Rourkela , India

85	Effects of Piper cubeba L. essential oil on methicillin-resistant Staphylococcus aureus: an AFM and TEM study	Alharbi, NS Khaled, JM Alzaharni, KE Mothana, RA Alsaid, MS Alhoshan, M Dass, LA Kadaikunnan, S Alobaidi, AS	King Saud Univ, Dept Bot & Microbiol, Coll Sci, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Phys & Astron, Riyadh 11451, Saudi Arabia King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Pharmacognosy, Coll Pharm, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Chem Engr, Riyadh 11451, Saudi Arabia	Journal Of Molecular Recognition	Jan 2017	2.175 Q-3	Deanship of Scientific Research at King Saud Universit
86	Efficient removal of benzene from cyclohexane-benzene mixtures using deep eutectic	Salleh, Z Wazeer, Irfan	Univ Malaya Ctr Ion Liquids, Dept	Journal of Chemical Thermodynami	Jan 2017	2.726 Q-1	KSU IRG14-13

	solvents - COSMO-RS screening and experimental validation	Mulyono, S El-blidi, L Hashim, MA Hadj-Kali, MK	Chem Engn, Fac Engn, Malaysia King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	cs			
87	Specific features investigation of the AE(2)ZnN(2) (AE=Ca, Sr, Ba) compounds from indirect to direct band gap: DFT study	Basit, A Murtaza, G Mahmood, Asif Khan, SA Aneel, M Yar, A Wong, KM	Huazhaong Univ Sci & Technol, Peoples R China Islamia Coll Univ, Dept Phys, Peshawar 25000, Pakistan King Saud Univ, Dept Chem Engn, Coll Engn, POB 2455, Riyadh 11451, Saudi Arabia Univ West Bohemia, New Technol Res Ctr, Czech Republic Kohat Univ Sci & Technol, Dept Phys, Kohat Pakistan Amer Phys Soc,	Materials Science in Semiconductor Processing	Jan 2017	2.359 Q-2	KSU RGP-VPP-311

			College Pk, MD 20740 USA				
88	Self-assembled dopamine nanolayers wrapped carbon nanotubes as carbon-carbon bi-functional nanocatalyst for highly efficient oxygen reduction reaction and antiviral drug monitoring	Khalafallah, D Akhtar, N Alothman, OY Fouad, H Khalil, KA	Aswan Univ, Fac Energy Engn, Mech Design & Mat Dept, POB 81521, Aswan, Egypt Bhauddin Zakriya Univ, Inst Chem Sci, Multan, Pakistan King Saud Univ, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Riyadh Community Coll, Dept Appl Med Sci, Riyadh 11437, Saudi Arabia	Solid State Sciences	Sep 2017	1.811 Q-2	KSU RGP-133
89	Effect of Plasticizer on the Electrical, Thermal, and Morphological Properties of Carbon Black Filled Poly(propylene)	Poulose, AM Anis, Arfat Shaikh, Hamid George, J	King Saud Univ, Chem Engn Dept, Riyadh, Saudi Arabia King Saud Univ, Dept Civil	Polymer Composites	Nov 2017	2.324 Q-2	KSU RG 1435- 015

		Al-Zahrani, SM	Engn, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia				
90	Template-free synthesis of nitrogen doped carbon materials from an organic ionic dye (murexide) for supercapacitor application	Serwar, M Rana, UA Siddiqi, HM Khan, Salah Ud-Din Ali, FAA Al-Fatesh, A Adomkevicius, A Coca-Clemente, Cabo-Fernandez, Braga, F Hardwick, LJ	Quaid I Azam Univ, Islamabad, Pakistan Univ Liverpool, Dept Chem, Merseyside, England King Saud Univ, Coll Engn, SET Ctr, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia	RSC Advances	2017	3.108 Q-2	KSU RGP-255 & Higher Education Commission of Pakistan

Electrical Engineering Department
&
Related Research Unit (Technology Innovation Center (RFTONICS))

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Physical-Layer Security Against Known/Chosen Plaintext Attacks for OFDM-Based VLC System	Al-Moliki, YM Alresheedi, MT Al-Harhi, Y	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEEE Communications Letters	Dec 2017	1.988 Q-2	Deanship of scientific research at KSU, Riyadh
2	Effects of Solar Radio Emissions on Outdoor Propagation Path Loss Models at 60 GHz Bands for Access/Backhaul Links and D2D Communications	Sulyman, AI Seleem, H Alwarafy, A Humadi, KM Alsanie, A	Embry Riddle Aeronaut Univ, Dept Comp Elect & Software Engn, Prescott, AZ 86301 USA Tanta Univ, Dept Elect Commun & Elect, Tanta 31527, Egypt King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	IEEE Transactions on Antennas and Propagation	Dec 2017	2.957 Q-2	N/A
3	Submodularity in Input Node Selection For Networked Linear Systems Efficient Algorithms for Performance and Controllability	Clark, A Alomair, B Bushnell, L	Worcester Polytech Inst, Dept Elect & Comp Engn, 100 Inst Rd, Worcester, MA	IEEE Control Systems Magazine	Dec 2017	5.196 Q-1	CNS-1446866 CNS-1644173

		Poovendran, R	01609 USA King Saud Univ, Riyadh, Saudi Arabia Amer Automat Control Council, Dayton, OH USA Washington Univ, Elect Engn Dept, St Louis, MO USA				
4	New LiNi _{0.5} PrxFe _{2-x} O ₄ nanocrystallites: Synthesis via low cost route for fabrication of smart advanced technological devices	Warsi, MF Gilani, ZA Al-Khalli, NF Sarfranz, M Khan, MA Anjum, MN Shakir, Imran	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Balochistan Univ Dept Phys, Quetta 87300, Pakistan King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Ceramics International	Dec 2017	2.986 Q-1	KSU RGP-VPP- 312
5	Randomness evaluation of key generation based on optical OFDM system in visible light communication networks	Al-Moliki, YM Alresheedi, MT Al-Harathi, Y	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	Electronics Letters	Dec 2017	1.155 Q-3	Deanship of Scientific Research at KSU Riyadh, Saudi Arabia

6	Analytical multi-parametric stability boundaries of DC-DC buck converters under V-1 control concept	El Aroudi, A Garcia, G Al Hosani, K Al Sayari, N Al-Numay, M	Univ Rovira & Virgili, GAEI Res Grp, Tarragona, Spain Univ Toulouse, INSA, CNRS, LAAS, Toulouse, France Petr Inst, Dept Elect Engr, Abu Dhabi, U Arab Emirates King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia	International Journal of Circuit Theory and Applications	Dec 2017	1.571 Q-3	International Scientific Partnership Program ISPP at King Saud University through ISPP
7	Hexa-band printed monopole antenna for wireless applications	Sethi, WT Vettikalladi, H Fathallah, H Himdi, M	Univ Rennes 1, Inst Elect & Telecommun Rennes Univ IETR, F- 35700 Rennes, France King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia King Saud Univ, KACST Technol Innovat Ctr Radio Frequency & Photo, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	Nov 2017	0.731 Q-4	N/A
8	Ferrocene Weight Optimization for Cvd Growth	Khan, Y	King Saud Univ, Dept Elect Engr, Riyadh,	Digest Journal of	Oct 2017	0.836 Q-4	KSU RG1438-

	of Carbon Nanotubes Over Si/Sio2/Al2o3	Shukrullah, S Naz, MY Ghaffar, A Ahmad, I Alsuhaihani, S	Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan	Nanomaterials and Biostructures			012
9	Electrical and Infrared Optical Properties of Vanadium Oxide Semiconducting Thin-Film Thermometers	Zia, MF Abdel-Rahman, M Alduraibi, M Ilahi, B Awad, E Majzoub, S	King Saud Univ, PSATRI, Riyadh, Saudi Arabia King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh, Saudi Arabia King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia Univ Sharjah, Elect & Comp Engn Dept, Coll Engn, Sharjah, U Arab Emirates	Journal of Electronic Materials	Oct 2017	1.579 Q-3	NPST 12- ELE2936-02
10	L-Band Quantum-dash Self-Injection Locked Multiwavelength Laser Source for Future WDM Access Networks	Shemis, MA Ragheb, AM Khan, MTA Fathallah, HA Alshebeili, S Qureshi, KK	King Fahd Univ Petr & Minerals, Dept Elect Engn, Optoelect Res Lab, Dhahran 31261, Saudi Arabia[KACST TIC Radio Frequency & Photon e Soc, Riyadh 11421,	IEEE Photonics Journal	Oct 2017	2.291 Q-2	KSU RG-1438- 092 & King Fahd University of Petroleum and

		Khan, MZM	Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia				Minerals
11	Networked microgrids for service restoration in resilient distribution systems	Arif, A Wang, ZY	Iowa State Univ, Dept Elect & Comp Engn, Ames, IA 50011 USA King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	IET Generation Transmission & Distribution	Sep 2017	2.213 Q-2	N/A
12	Probabilistic Modeling of Electric Vehicle Charging Pattern Associated with Residential Load for Voltage Unbalance Assessment	Ul-Haq, A Azhar, M Mahmoud, Y Perwaiz, A Al-Ammar, EA	Natl Univ Sci & Technol, Islamabad 44000, Pakistan Lahore Coll Women Univ, Dept Elect Engn, Lahore 54000, Pakistan Worcester Polytech Inst, Worcester, MA 01609 USA King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia	Energies	Sep 2017	2.262 Q-2	N/A
13	Towards Wideband Hyperthermia Treatment System	Nizam-Uddin, N Alkadri, W Malik, WA Elshafiey, I	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Applied Computational Electromagnetics Society Journal	Sep 2017	0.444 Q-4	KACST AT 35-210

		Sheta, AF					
14	Wide bandwidth and flat multiwavelength Brillouin-erbium fiber laser	Al-Alimi, AW Cholan, NA Yaacob, MH Abas, AF Alresheedi, MT Mahdi, MA	Univ Putra Malaysia, Upm Serdang 43400, Selangor, Malaysia Univ Tun Hussein Onn Malaysia, Batu Pahat 86400, Malaysia King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Optics Express	Sep 2017	3.307 Q-1	King Saud University, Saudi Arabia (International Scientific Partnership Program, ISPP)
15	Optimal Power Flow Using Particle Swarm Optimization of Renewable Hybrid Distributed Generation	Khaled, U Eltamaly, AM Beroual, A	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, SET Ctr, Riyadh 11421, Saudi Arabia Univ Lyon, Ecole Cent Lyon, Ampere CNRS, France	Energies	Jul 2017	2.262 Q-2	International Scientific Partnership Program (ISPP) at King Saud University
16	PEMC backed chiral nihility Gregorian system	Illahi, A Ghaffar, A Alkanhal, MAS Khan, Y Aziz, A Naqvi, QA	COMSATS Inst Informat Technol, Islamabad, Pakistan Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept	Optoelectronics and Advanced Materials-Rapid Communications	Jul 2017	0.470 Q-4	KSU RG-1436-001

		Sharif, M	Elect Engn, Riyadh, Saudi Arabia Allama Iqbal Open Univ, Dept Phys, Islamabad, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan				
17	Improving the Dimming Performance of Low-Power Single-Stage AC-DC HBLED Drivers	Bodetto, M El Aroudi, A Cid-Pastor, A Al-Numay, MS	Univ Rovira & Virgili, Grp Automat Control & Ind Elect, Tarragona, Spain King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia	IEEE Transactions on Industrial Electronics	Jul 2017	7.168 Q-1	King Saud University, Riyadh, Saudi Arabia
18	Scattering from isotropic plasma coated nihility sphere	Hussan, MM Ghaffar, A Alkanhal, MAS Naz, MY Rehman, SU Khan, Y	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Physics of Plasmas	Jul 2017	2.115 Q-2	KSU RG-1436- 001
19	Tracking control of a piezoelectric actuator with hysteresis compensation using RST digital controller	Ahmad, I Abdurraqueeb, AM	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh, Saudi Arabia.	Microsystem Technologies -Micro-and Nanosystems -Information Storage And	Jul 2017	1.195 Q-3	KSU RGP-1436- 012

				Processing Systems			
20	Compact Dual Polarized Aperture Coupled Microstrip Patch Antenna for Uwb Rfid Applications	Sethi, WT AlShareef, MR Ashraf, M Behairy, HM Alshebeili, S	King Saud Univ, KACST TIC, Dept Elect Engn, RFTONICS, Riyadh, Saudi Arabia KACST, Natl Ctr Elect & Photon Technol, Riyadh, Saudi Arabia	Microwave and Optical Technology Letters	Jul 2017	0.731 Q-4	Photonics for the e-Society (RFTONICS) hosted at King Saud University (KSU) & KACST
21	FPGA-based Real Time Implementation for Direction-of-Arrival Estimation	Alhamed, A Tayem, N Alshawi, T Alshebeili, S Alsuwailem, A Hussain, A	King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia Prince Mohammad bin Fahd Univ, Dept Elect Engn, Al Khobar 31952, Saudi Arabia King Saud Univ, KACST Technol Innovat Ctr, Riyadh 12372, Saudi Arabia	Journal of Engineering-Joe	May 2017	Newly Listed, NA	N/A
22	Compressive sensing based high-resolution passive bistatic radar	Hadi, MA Tabassum, MN Alshebeili, S	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia King Saud Univ, PSATRI, Riyadh, Saudi Arabia Aalto Univ, Dept Signal Proc & Acoust,	Signal Image and Video Processing	May 2017	1.102 Q-3	KACST-TIC in RF and Photonics for the e-Society (RFTONICS), Riyadh, Saudi Arabia

			POB 13000, FI-00076 Aalto, Finland				
23	Enhanced Energy Localization with Wideband Hyperthermia Treatment System	Nizam-Uddin, N Elshafiey, I	King Saud Univ Riyadh, Dept Elect Engn, Riyadh, Saudi Arabia	Applied Computational Electromagnetics Society Journal	May 2017	0.444 Q-4	King Abdul-Aziz City for Science and Technology (KACST)
24	Characterization Of Multiband Antennas Using the Singularity Expansion Method	Rehman, SU Alkanhal, MAS	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Microwave and Optical Technology Letters	May 2017	0.731 Q-4	N/A
25	A novel nanoscaled Schottky barrier based transmission gate and its digital circuit applications	Kumar, S Loan, SA Alamoud, AM	Jamia Millia Islamia, Dept Elect & Commun Engn, New Delhi, India King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Superlattices and Microstructures	May	2.123 Q-2	VPP program of King Saud University, Saudi Arabia
26	Secret Key Generation Protocol for Optical OFDM Systems in Indoor VLC Networks	Al-Moliki, YM Alresheedi, MT Al-Harhi, Y	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEEE Photonics Journal	April 2017	2.291 Q-2	DSR, King Saud University, Riyadh
27	Complexity reduction of equalization/pre-emphasis using set membership filtering for NG LR-PON	Ragheb, A Fathallah, H Bentrcia, A Shoaib, M Alshebeili, S	KACST TIC Radio Frequency & Photon E Soc RFTON, Riyadh, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh,	Photonic Network Communications	April 2017	1.210 Q-3	N/A

			<p>Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Muzahmia Branch, Riyadh, Saudi Arabia</p> <p>PSATRI, Riyadh, Saudi Arabia</p>				
28	SYNTHESIS OF NICKEL-COPPER NANOCRYSTALLINE FERRITE ADSORBENTS FOR TREATMENT OF TEXTILE EFFLUENTS	<p>Khan, AS</p> <p>Ghaffar, A</p> <p>Naz, MY</p> <p>Azam, M</p> <p>Khan, Y</p> <p>Ahmad, I</p>	<p>Shandong Univ, Dept Mat Sci & Engr, Jinan 250061, Peoples R China</p> <p>Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan</p> <p>King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia</p>	Digest Journal of Nanomaterials and Biostructures	April 2017	0.836 Q-4	KSU RG1438-012
29	A Single-Stage Stand-Alone Photovoltaic Energy System With High Tracking Efficiency	<p>Sher, HA</p> <p>Rizvi, AA</p> <p>Addoweesh, KE</p> <p>Al-Haddad, K</p>	<p>King Saud Univ, Dept Elect Engr, Riyadh 11567, Saudi Arabia</p> <p>Ecole Technol Super, Dept Elect Engr, Montreal, PQ H3C 1K3, Canada</p>	IEEE Transactions on Sustainable Energy	April 2017	4.909 Q-1	N/A

30	Outage Probability Analysis of FSO Links Over Foggy Channel	Esmail, MA Fathallah, H Alouini, MS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Comp Elect & Math Sci & Engn, Saudi Arabia	IEEE Photonics Journal	April 2017	2.291 Q-2	College of Engineering Research Center at King Saud University, KSA
31	4 m/100 Gb/s Optical Wireless Communication Based on Far L-Band Injection Locked Quantum-Dash Laser	Khan, MTA Shemis, MA Ragheb, AM Esmail, MA Fathallah, HA Alshebeili, S Khan, MZM	King Fahd Univ Petr & Minerals, Dept Elect Engn, Optoelect Res Lab, Dhahran 34463, Saudi Arabia KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	IEEE Photonics Journal	April 2017	2.291 Q-2	College of Engineering Research Center at King Saud University, KSA
32	Scattering from metamaterial coated nihility sphere	Ghaffar, A Hussan, MM Alkanhal, MAS Rehman, SU	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of The European Optical Society- Rapid Publications	March 2017	0.975 Q-4	KSU RG-1436-001
33	100 Gb/s Single Channel Transmission Using Injection-Locked 1621 nm Quantum-	Khan, MTA Alkhazraji, E	King Fahd Univ Petr & Minerals, Dept Elect Engn, Optoelect	IEEE Photonics Technology	March 2017	2.375 Q-2	King Fahd University of Petroleum

	Dash Laser	Ragheb, AM Fathallah, H Qureshi, KK Alshebeili, S Khan, MZM	Res Lab, Dhahran 31261, Saudi Arabia King Saud Univ, KACST TIC RFTONICS, Dept Elect Engn, Riyadh 12372, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia	Letters			and Minerals
34	Millimeter wave antenna with frequency selective surface (FSS) for 79 GHz automotive radar applications	Aqlan, B Vettikalladi, H Alkanhal, MAS	King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia	International Journal of Microwave and Wireless Technologies	March 2017	0.976 Q-4	King Abdulaziz City for Science and Technology (KACST)
35	An intelligent system architecture in home energy management systems (HEMS) for efficient demand response in smart grid	Shakeri, M Shayestegan, M Abunima, H Reza, SMS Akhtaruzzaman, M Alamoud, ARM Sopian, K Amin, N	Natl Univ Malaysia, Fac Engn & Built Environm, Dept Elect Elect & Syst Engn, Bangi 43600, Selangor, Malaysia King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Energy and Buildings	March 2017	4.067 Q-1	N/A
36	Trapped modes and resonances in gyrotropic graphene stacks	Razzaz, F Alkanhal, MAS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Applied Physics B- Lasers and	March 2017	1.696 Q-3	KSU RG1436001

				Optics			
37	Nano-plasmonic chirped metal-stripes polarimeter for dual-band infrared detection	Awad, E Abdel-Rahman, M	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Electronics Letters	Feb 2017	1.155 Q-3	Innovation Funding Program at (KACST)
38	Uplink design in VLC systems with IR sources and beam steering	Alresheedi, MT Hussein, AT Elmirghani, JMH	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia Univ Leeds, Sch Elect & Elect Engn, Leeds LS2 9JT, W Yorkshire, England	IET Communications	Feb 2017	1.061 Q-3	N/A
39	High-performance engineered gate transistor-based compact digital circuits	Kumar, S Loan, SA Alamoud, AM	Cent Univ New Delhi, Dept Elect & Commun Engn, JMI, New Delhi, India King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Electronics Letters	Feb 2017	1.155 Q-3	King Saud University (KSU)
40	Investigation and Demonstration of High Speed Full-Optical Hybrid FSO/Fiber Communication System Under Light Sand Storm Condition	Esmail, MA Ragheb, A Fathallah, H Alouini, MS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Comp Elect & Math Sci, Thuwal 23955, Saudi Arabia	IEEE Photonics Journal	Feb 2017	2.291 Q-2	KACST APR 34-145
41	MIMO H-infinity Integral Control Design for 2D Tunneling Current	Ahmad, I	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh, Saudi	Journal of Control Automation	Feb 2017	Newly Listed, N/A	N/A

	Measurement System: STM Application		Arabia	and Electrical Systems			
42	CGH for Indoor Visible Light Communication System	Younus, SH Hussein, AT Thameralresheedi, M Elmirghani, JM	Univ Leeds, Sch Elect & Elect Engn, Leeds LS2 9JT, W Yorkshire, England King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEEE Access	Jan 2017	3.244 Q-1	KSU ISPP 0093
43	Epileptic MEG Spike Detection Using Statistical Features and Genetic Programming with KNN	Alotaiby, TN Alrshoud, SR Alshebeili, SA Alhumaid, MH Alsabhan, WM	KACST, Riyadh, Saudi Arabia King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh, Saudi Arabia King Fahad Med City, Riyadh, Saudi Arabia	Journal of Healthcare Engineering	Jan 2017	0.965 Q-4	King Fahad Medical City (KFMC), Kingdom of Saudi Arabia
44	Effect of Gas Flowrate on Nucleation Mechanism of MWCNTs for a Compound Catalyst	Shukrullah, S Mohamed, NM Khan, Y Naz, MY Ghaffar, A Ahmad, I	Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan Univ Teknol PETRONAS, Ctr Innovat Nanostruct & Nanodevices, Tronoh 31750, Perak, Malaysia King Saud Univ, Dept	Journal Of Nanomaterials	Jan 2017	1.871 Q-3	KSU RG1438-012

			Elect Engn, Riyadh, Saudi Arabia				
45	Anomaly Detection Based on LRD Behavior Analysis of Decomposed Control and Data Planes Network Traffic Using SOSS and FARIMA Models	AsSadhan, B Zeb, K Al-Muhtadi, J Alshebeili, S	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, CoEIA, Riyadh 11653, Saudi Arabia	IEEE Access	Jan 2017	3.244 Q-1	KACST 10-INF1279- 02
46	Evaluation of a single-input multiple-output antenna array for ultra-wide band applications	Ashraf, MA Jamil, K Sebak, AR Alshebeili, S Shoaib, M Alkanhal, M Alhekail, Z	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Prince Sultan Adv Technol Res Inst, Riyadh 11421, Saudi Arabia King Saud Univ, Innovat Ctr RF & Photon RFTONICS, Riyadh 11421, Saudi Arabia	Aeu- International Journal Of Electronics And Communicati ons	Jan 2017	1.147 Q-3	King Saud University, Deanship of Scientific Research, College of Engineering Cente
47	Effects of ferrite coating layer on PEMC sphere radar cross section	Hussan, MM Ghaffar, A Shakir, I Naz, MY Naqvi, QA	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia Quaid I Azam, Dept	Optik	Jan 2017	0.835 Q-4	KSU PRG-1436- 25

			Elect, Islamabad, Pakistan				
48	Epileptic MEG Spikes Detection Using Amplitude Thresholding and Dynamic Time Warping	Khalid, MI Alotaiby, TN Aldosari, SA Alshebeili, SA Alhameed, MH Poghosyan, V	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11362, Saudi Arabia King Abdulaziz City Sci & Technol, Riyadh 11442, Saudi Arabia King Fahad Med City, Natl Inst Neurosci, Dept Neurol, Riyadh 11525, Saudi Arabia	IEEE Access	Jan 2017	3.244 Q-1	Deanship of Scientific Research, College of Engineering Center, King Saud University
49	Hybrid Precoding- Beamforming Design With Hadamard RF Codebook for mmWave Large-Scale MIMO Systems	Seleem, H Sulyman, AI Alsanie, A	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia.	IEEE Access	Jan 2017	3.244 Q-1	DSR, College of Engineering Center, KSU
50	Design prospects of cadmium telluride/silicon (CdTe/Si) tandem solar cells from numerical simulation	Enam, FMT Rahman, KS Kamaruzzaman, MI Sobayel, K Chelvanathan, P Bais, B Akhtaruzzaman, M	Natl Univ Malaysia, Fac Engn & Built Environm, Dept Elect Elect & Syst Engn, Bangi 43600, Selangor, Malaysia Natl Univ Malaysia, Solar Energy Res Inst, Bangi 43600, Selangor, Malaysia	Optik	Jan 2017	0.835 Q-4	National University of Malaysia

		Alamoud, ARM Amin, N	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia				
51	Time to Frequency Domain Analysis of Narrow Band Antennas	Rehman, SU Alkanhal, MAS	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas And Propagation	Jan 2017	1.164 Q-3	N/A
52	EEG-Based Computer Aided Diagnosis of Autism Spectrum Disorder Using Wavelet, Entropy, and ANN	Djemal, R AlSharabi, K Ibrahim, S Alsuwailem, A	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Biomed Research International	Jan 2017	2.476 Q-2	KACST AT-34-147
53	Path-Loss Channel Models for Receiver Spatial Diversity Systems at 2.4 GHz	Alwarafy, A Sulyman, AI Alsanie, A Alshebeili, SA Behairy, HM	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Abdulaziz City Sci & Technol, Natl Ctr Elect & Photon Technol, Riyadh, Saudi Arabia	International Journal of Antennas and Propagation	Jan 2017	1.164 Q-3	King Saud University, Deanship of Scientific Research, College of Engineering Research Center
54	Environmentally Friendly Power Dispatch at Sugar Plant With Optimum Bagasse Utilization	Pazheri, F Othman, M Kaneesamkandi, Z Malik, N	King Saud Univ, Saudi Aramco Chair Elect Power, Dept Elect Engn, Coll Engn, POB 800, Riyadh, Saudi Arabia Univ Teknol	Environment al Engineering and Management Journal	Jan 2017	1.096 Q-4	Deanship of Scientific Research at King Saud University in Riyadh

			Malaysia, Kuala Lumpur 54100, Malaysia King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh, Saudi Arabia				
55	On the Performance of Optical Wireless Links Over Random Foggy Channels	Esmail, MA Fathallah, H Alouini, MS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Comp Elect & Math Sci & Engn Div, Thuwal 23955, Saudi Arabia	IEEE Access	Jan 2017	3.244 Q-1	Deanship of Scientific Research, College of Engineering Center, King Saud University
56	Electromagnetic Coupling and Tunneling Through Chiral Layers	Razzaz, F Alkanhal, MAS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	IEEE Access	Jan 2017	3.244 Q-1	DSR at KSU, Riyadh, KSA
57	Design of Multilayered K-Band and Ka-Band Slot-Coupled Microstrip 90 degrees Hybrid Couplers Employing Circular Ring Patch Shapes	Alaqeel, A Almorqi, S Haraz, OM Alshebeili, SA Sebak, AR	King Saud Univ, Adv Sensors & Elect Def Ctr ASED, King Abdul Aziz City Sci & Technol KACST, Riyadh, Saudi Arabia King Saud Univ, KACST Technol Innovat Ctr Radiofrequency & Photon, Riyadh 11451, Saudi Arabia	Wireless Personal Communications	Jan 2017	0.951 Q-4	(KACST) (RFTONICS)

			Concordia Univ, Elect & Comp Engn Dept, Montreal, PQ, Canada				
58	Modeling of a Photovoltaic-Powered Electric Vehicle Charging Station with Vehicle-to-Grid Implementation	Ul-Haq, A Cecati, C Al-Ammar, EA	Univ Aquila, DSIM, I-67100 Laquila, Italy King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia	Energies	Jan 2017	2.262 Q-2	University of L'Aquila
59	Integrated lens antenna array with full azimuth plane beam scanning capability at 60 GHz	Saleem, MK Alkanhal, MAS Sheta, AF Abdel-Rahman, M Himdi, M	King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia Univ Rennes 1, Inst Elect & Telecommun Rennes, F-35042 Rennes, France	Microwave and Optical Technology Letters	Jan 2017	0.731 Q-4	NPST 13-ELE1184-02-R
60	PIV investigations on particle velocity distribution in uniform swirling regime of fluidization	Naz, MY Sulaiman, SA Shukrullah, S Ghaffar, A Khan, Y Ahmad, I	Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan Univ Teknol Petronas, Dept Mech Engn, Bandar Seri Iskandar 32610, Perak, Malaysia King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh 11451, Saudi Arabia	Granular Matter	May 2017	1.762 Q-3	KSU RG1438-012
61	A Novel Self-Power SSHI	Eltamaly, AM	King Saud	IEEE	Oct 2017	7.151	Deanship of

	Circuit for Piezoelectric Energy Harvester	Addoweesh, KE	Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia King Saud Univ, Elect Engn Dept, Coll Engn, Riyadh 12372, Saudi Arabia	Transactions on Power Electronics		Q-1	Scientific Research at King Saud University in Riyadh, Saudi Arabia
62	Swarm intelligence-based optimization of grid-dependent hybrid renewable energy systems	Mohamed, MA Eltamaly, AM Alolah, AI	King Saud Univ, Elect Engn Dept, Riyadh 11421, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Renewable & Sustainable Energy Reviews	Sep 2017	8.050 Q-1	College of Engineering Research Center
63	Load management as a smart grid concept for sizing and designing of hybrid renewable energy systems	Eltamaly, AM Mohamed, MA Al-Saud, MS Alolah, AI	King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia	Engineering Optimization	Jan 2017	1.728 Q-2	College of Engineering Research Center
64	Photothermal deflection technique investigation of annealing temperature and time effects on optical and thermal conductivity of V/V2O5 alternating layers structure	Khalfaoui, A Ilahi, S Abdel-Rahman, M Zia, MF Alduraibi, M Ilahi, B	Univ Carthage, Lab Rech Characterisat Phototherm, IPEIN, Nabeul 8000, Tunisia King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh, Saudi	Physica B-Condensed Matter	Oct 2017	1.406 Q-3	NA

		Yacoubi, N	Arabia King Saud Univ, PSATRI, Riyadh, Saudi Arabia King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia				
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Mechanical Engineering Department

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	A review on bio-based lubricants and their applications	Syahir, AZ Zulkifli, NWM Masjuki, HH Kalam, MA Alabdulkarem, A Gulzar, M Khuong, LS Harith, MH	Univ Malaya, Dept Mech Engn, Fac Engn, Kuala Lumpur 50603, Malaysia King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh 11421, Saudi Arabia Natl Univ Sci & Technol, Sch Mech & Mfg Engn, Sect H-12, Islamabad ,Pakistan	Journal of Cleaner Production	Dec 2017	0.585 Q-4	University of Malaya, Malaysia & KSU
2	Numerical analysis of the influences of thermal stresses on the efficiency of bonded composite repair of cracked metallic panels	Mhamdia, Rachid Serier, B Albedah, Abdulmohsen Bouiadjra, BB Kaddouri, K	Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, Sidi Bel Abbes, Algeria King Saud Univ, Mech Engn Dept, Coll Engn, Riyadh, Saudi Arabia	Journal of Composite Materials	Dec 2017	1.494 Q-2	KSU RGP-VPP-035
3	Minimization of turning time for high-strength steel with a given surface roughness using	Abbas, AT Pimenov, DY	King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421,	International Journal of Advanced	Nov 2017	2.209 Q-2	King Saud University, Deanship of

	the Edgeworth-Pareto optimization method	Erdakov, IN Mikolajczyk, T El Danaf, EA Taha, MA	Saudi Arabia South Ural State Univ, Dept Automated Mech Engr, Chelyabinsk, Russia UTP Univ Sci & Technol, Dept Prod Engr, Al Prof S Kaliskiego 7, PL- 85796 Bydgoszcz, Poland Zagazig Univ, Dept Mech Design & Prod, Fac Engr, Zagazig 44519, Egypt	Manufacturing Technology			Scientific Research, College of Engineering Research Center
4	Superhydrophilic Functionalization of Microfiltration Ceramic Membranes Enables Separation of Hydrocarbons from Frac and Produced Water	Maguire-Boyle, SJ Huseman, JE Ainscough, TJ Oatley-Radcliffe, DL Alabdulkarem, AA Al-Mojil, Sattam. F Barron, AR	Rice Univ, Dept Chem, Houston, TX 77007 USA Swansea Univ, Energy Safety Res Inst, Bay Campus, Swansea SA1 8EN, Wales King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Civil Engr, Coll Engr, Riyadh 11421, Saudi	Scientific Reports	Sep 2017	4.259 Q-1	Robert A. Welch Foundation

			Arabia				
5	Numerical simulation simulation of MHD mixed convection in a nanofluid filled non-darcy porous enclosure	Begum, AS Nithyadevi, N Oztop, HF Al-Salem, K	Bharathiar Univ, Dept Math, Coimbatore, Tamil Nadu, India Firat Univ, Dept Mech Engn, Fac Technol, TR-23119 Elazig, Turkey King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia	International Journal of Mechanical Sciences	Sep 2017	2.884 Q-1	ISPP at King Saud University through ISPP 0030
6	Convective heat transfer in a lid-driven cavity with a heat-conducting solid backward step under the effect of buoyancy force	Gibanov, NS Sheremet, MA Oztop, HF Al-Salem, K	Tomsk State Univ, Lab Convect Heat & Mass Transfer, Tomsk 634050, Russia Firat Univ, Technol Fac, Dept Mech Engn, Elazig, Turkey King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Heat and Mass Transfer	Sep 2017	3.458 Q-1	ISPP at King Saud University through ISPP 0030
7	Investigation of laser texture density and diameter on the tribological behavior of hydrogenated DLC coating with line contact configuration	Arslan, A Masjuki, HH Kalam, MA Varman, M	Univ Malaya, Dept Mech Engn, Kuala Lumpur 50603, Malaysia Univ Malaya, Dept Elect Engn, Kuala	Surface & Coatings Technology	Aug 2017	2.589 Q-1	King Saud University (KSU) 0092 & Ministry of

		Mosarof, MH Mufti, RA Quazi, MM Khuong, LS Liaqat, M Jamshaid, M Alabdulkarem, A Khurram, M	Lumpur 50603, Malaysia Natl Univ Sci & Technol, Islamabad, Pakistan King Saud Univ, Coll Engr, Mech Engr Dept, Riyadh 11421, Saudi Arabia				Higher Education (MOHE) of Malaysia
8	Mixed convection of MHD flow in nanofluid filled and partially heated wavy walled lid-driven enclosure	Oztop, HF Sakhrieh, A Abu-Nadad, E Al-Salem, K	Firat Univ, Dept Mech Engr, Technol Fac, Elazig, Turkey Univ Jordan, Mech Engr Dept, Amman 11942, Jordan King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh, Saudi Arabia	International Communicati ons In Heat and Mass Transfer	Aug 2017	3.458 Q-1	ISPP at King Saud University through ISPP 0030
9	Control of natural convection via inclined plate of CNT-water nanofluid in an open sided cubical enclosure under magnetic field	Kolsi, L Alrashed, AAAA Al-Salem, K Oztop, HF Borjini, MN	Univ Monastir, Ecole Natl Ingenieurs Monastir, Unite Metrol & Syst Energet, Monastir, Tunisia Publ Author Appl Educ & Training, Coll Technol Studies, Dept	International Communicati ons In Heat and Mass Transfer	Aug 2017	3.458 Q-1	ISPP at King Saud University through ISPP 0030

			<p>Automot & Marine Engn Technol, Adiliya, Kuwait</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia</p> <p>Firat Univ, Technol Fac, Dept Mech Engn, TR-23119 Elazig, Turkey</p>				
10	Ligand field effect for Dysprosium(III) and Lutetium(III) adsorption and EXAFS coordination with novel composite nanomaterials	<p>Awual, MR</p> <p>Alharthi, NH</p> <p>Okamoto, Y</p> <p>Karim, MR</p> <p>Halim, ME</p> <p>Hasan, MM</p> <p>Rahman, MM</p> <p>Islam, MM</p> <p>Khaleque, MA</p> <p>Sheikh, MC</p>	<p>Japan Atom Energy Agcy SPring 8, 1-1-1 Kouto, Sayo, Hyogo 6795148, Japan</p> <p>King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Ctr Excellence Res Engn Mat, Adv Mfg Inst, Riyadh 11421, Saudi Arabia</p> <p>Univ Dhaka, Dept Chem, Fac Sci, Dhaka 1000, Bangladesh</p> <p>King Abdulaziz Univ, Fac Sci, Dept Chem,</p>	Chemical Engineering Journal	Jul 2017	6.216 Q-1	ISPP at King Saud University through ISPP 87

			POB 80203, Jeddah 21589, Saudi Arabia Univ Toyama, Fac Engr, Dept Appl Chem, 3190 Gofuku, Toyama, Japan				
11	On modeling the deformations and tool-workpiece interactions during machining metal matrix composites	Ghandehariun, A Nazzal, M Kishawy, HA Umer, U	UOIT, MRL, Fac Engr & Appl Sci, Oshawa, ON, Canada Amer Univ Sharjah, Dept Mech Engr, Coll Engr, Sharjah, UAE King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Jul 2017	2.209 Q-2	International Scientific Partnership Program ISPP at KSU 0059
12	Analysis of defects in clean fabrication process of friction stir welding	Khan, NZ Khan, ZA Siddiquee, AN Al-Ahmari, AM Abidi, MH	Jamia Millia Islamia, Dept Mech Engr, New Delhi 110025, India King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijris Res Chair Adv Mfg Techno, Riyadh 11421, Saudi Arabia	Transactions of Nonferrous Metals Society of China	Jul 2017	1.342 Q-2	KSU, Vice Deanship of Research Chairs & (UGC) under its SAP (DRS- I) India
13	Natural convection and entropy generation in a nanofluid filled cavity with	Bouchoucha, A Bessaih, R	Univ Freres Mentouri Constantine, Algeria Firat Univ, Technol	International Journal of Mechanical	June 2017	0.727 Q-2	ISPP at King Saud University

	thick bottom wall: Effects of non-isothermal heating	Oztop, HF Al-Salem, K Bayrak, F	Fac, Dept Mech Engn, Elazig, Turkey King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia Firat Univ, Tech Educ Fac, Dept Mech Educ, Elazig, Turkey	Sciences			0030
14	Energetic and exergetic analysis of solar-powered lithium bromide-water absorption cooling system	Kerme, ED Chafidz, A Agboola, OP Orfi, J Fakeeha, AH Al-Fatesh, AS	King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh ,Saudi Arabia Univ Negeri Semarang, Dept Chem Engn, Semarang 50229, Indonesia King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Cleaner Production	June 2017	0.585 Q-4	KSU RG-1435-078
15	Mixed magnetohydrodynamic convection in a Cu-water-nanofluid-filled ventilated square cavity using the Taguchi method: A numerical investigation and optimization	Shirvan, KM Oztop, HF Al-Salem, K	Ferdowsi Univ Mashhad, Dept Mech Engn, Mashhad, Iran Firat Univ, Technol Fac, Dept Mech Engn, Elazig, Turkey King Saud Univ, Dept	European Physical Journal Plus	May 2017	1.753 Q-2	ISPP at King Saud University 0030

			Mech Engn, Coll Engn, Riyadh, Saudi Arabia				
16	On thermal characteristics and microstructure of a new insulation material extracted from date palm trees surface fibers	Ali, ME Alabdulkarem, A	King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	May 2017	3.169 Q-1	KSU RGP-080
17	Chemically active oil filter to develop detergent free bio-based lubrication for diesel engine	Gulzar, M Masjuki, HH Alabdulkarem, A Kalam, MA Varman, M Zulkifli, NWM Zahid, R Yunus, R	Univ Malaya, Dept Mech Engn, Ctr Energy Sci, Kuala Lumpur ,Malaysia King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia Univ Putra Malaysia, Inst Adv Technol, Serdang 43400, Malaysia	Energy	Apr 2017	4.520 Q-1	UMRG RP016- 2012B
18	Analysis of Cross Ply Laminated Beams Under Partial Heating	Khdeir, AA Aldraihem, OJ	King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Journal of Mechanics	Apr 2017	0.819 Q-4	DSR, CoE,KSU, Riyadh
19	Facile synthesis of GO@SnO ₂ /TiO ₂ nanofibers and their behavior in photovoltaics	Mohamed, IMA Dao, VD Yasin, AS Choi, HS	Chonbuk Natl Univ, Bionanosyst Engn Dept, Jeonju 561756, South Korea Chungnam Natl Univ, Dept Chem Engn &	Journal of Colloid and Interface Science	Mar 2017	4.233 Q-1	KSU ISPP-002

		Khalil, K Barakat, NAM	Appl Chem, Daejeon 305764, South Korea King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia				
20	Evaluation of residual stresses present in spirally welded API grade pipeline steel using the hole drilling method	Baig, M Khan, SMA El Rayes, MM Seikh, AH	King Saud Univ, AMI, Dept Mech Engn, Riyadh, Saudi Arabia King Saud Univ, AMI, Riyadh, Saudi Arabia	Materials Testing	Mar 2017	0.418 Q-4	KSU CEREM- IR022
21	Experimental Evaluation of the Critical Flutter Speed on Wings of Different Aspect Ratio	Bertrand, J Fellouah, H Alsaif, K	Univ Sherbrooke, Dept Mech Engn, Sherbrooke, Canada King Saud Univ, Dept Mech Engn, King Abdul Aziz City Sci & Technol, Riyadh, Saudi Arabia	Journal of Applied Fluid Mechanics	Mar 2017	N/A Newly ISI Listed	(NPST- KSU) at King Saud University 08-SPA332- 02
22	NUMERICAL STUDY OF HEAT AND MASS TRANSFER OPTIMIZATION IN A 3-D INCLINED SOLAR DISTILLER	Ghachem, K Maatki, C Kolsi, L Alshammari, N Oztop, HF Borjini, MN	Univ Monastir, Energy Engn Dept, Natl Sch Engn Monastir, Tunisia Hail Univ, Coll Engn, Dept Mech Engn, Hail City, Saudi Arabia King Saud Univ, Dept	Thermal Science	2017	1.093 Q-3	ISPP at King Saud University 0030

		Ben Aissia, H Al-Salem, K	Mech Engn, Coll Engn, Riyadh, Saudi Arabia				
23	MHD heat transfer and entropy generation in inclined trapezoidal cavity filled with nanofluid Numerical investigation and sensitivity analysis	Shirvan, KM Mirzakhanlari, S Oztop, HF Mamourian, M Al-Salem, K	Ferdowsi Univ Mashhad, Dept Mech Engn, Mashhad, Iran Islamic Azad Univ, Young Researchers & Elite Club, Qazvin, Iran Firat Univ, Dept Mech Engn, Technol Fac, Elazig, Turkey King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia	International Journal of Numerical Methods for Heat & Fluid Flow	2017	1.713 Q-2	ISPP at King Saud University 0030
24	Effect of uniform inclined magnetic field on natural convection and entropy generation in an open cavity having a horizontal porous layer saturated with a ferrofluid	Gibanov, NS Sheremet, MA Oztop, HF Al-Salem, K	Tomsk State Univ, Lab Convect Heat & Mass Transfer, Tomsk, Russia Firat Univ, Dept Mech Engn, Technol Fac, Elazig, Turkey King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia	Numerical Heat Transfer Part A- Applications	2017	2.59 Q-2	ISPP at King Saud University 0030

25	Optimizing Cutting Conditions and Prediction of Surface Roughness in Face Milling of AZ61 Using Regression Analysis and Artificial Neural Network	Alharthi, NH Bingol, S Abbas, AT Ragab, AE El-Danaf, EA Alharbi, HF	King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh, Saudi Arabia Dicle Univ, Dept Mech Engr, TR-21280 Diyarbakir, Turkey King Saud Univ, Dept Ind Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Advances in Materials Science and Engineering	2017	1.299 Q-3	King Saud University, College of Engineering Research Center
26	Numerical Investigation of Pulse Wave Propagation in Arteries Using Fluid Structure Interaction Capabilities	Elkenani, H Al-Bahkali, E Souli, M	King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia CNRS, UMR 8107, Lab Mecan Lille, Villeneuve Dascq, France	Computational and Mathematical Methods in Medicine	2017	0.950 Q-4	College of Engineering Research Center at King Saud University
27	Performance analysis of power, desalination and cooling poly-generation system using parabolic trough solar collectors	Kerme, ED Orfi, J Davies, P	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia Aston Univ, Sch Engr & Appl Sci, Sustainable Environm Res Grp, Birmingham, W Midlands, England	Desalination and Water Treatment	2017	1.631 Q-2	KSU RGP-VPP-091

28	Effect of Equal Channel Angular Pressing on the Surface Roughness of Solid State Recycled Aluminum Alloy 6061 Chips	Abbas, AT Taha, MA Ragab, AE El-Danaf, EA Abd El Aal, MI	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia Zagazig Univ, Coll Engn, Dept Mech Design & Prod, Sharkia, Egypt King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Advances in Materials Science and Engineering	2017	1.299 Q-3	Twasol Research Excellence Program (TRE Program), King Saud University, Riyadh, Saudi Arabia
29	Impact of Ambient Conditions of Arab Gulf Countries on the Performance of Gas Turbines Using Energy and Exergy Analysis	Baakeem, SS Orfi, J Alaqel, S Al-Ansary, H	King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	Entropy	Jan 2017	1.821 Q-2	KSU RGP-VPP-091
30	Investigation of the tribochemical interactions of a tungsten-doped diamond-like carbon coating (W-DLC) with formulated palm trimethylolpropane ester (TMP) and polyalphaolefin (PAO)	Zahid, R Hassan, MB Alabdulkarem, A Varman, M Mufti, RA Kalam, MA Zulkifli, NWBM Gulzar, M	Univ Malaya, Dept Mech Engn, Ctr Energy Sci, Kuala Lumpur 50603, Malaysia Natl Univ Sci & Technol, Sch Mech & Mfg Engn, Islamabad 44000, Pakistan King Saud Univ, Mech Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia	RSC Advances	2017	3.108 Q-2	International Scientific Partnership Program at King Saud University (KSU), Saudi Arabia 0092

31	Effect of Annealing Temperature on the Corrosion Protection of Hot Swaged Ti-54M Alloy in 2 M HCl Pickling Solutions	<p>Sherif, ESM El Danaf, EA Abdo, HS El Abedin, SZ Al-Khazraji, H</p>	<p>King Saud Univ, Adv Mfg Inst AMI, Deanship Sci Res, Riyadh 11421, Saudi Arabia</p> <p>Natl Res Ctr, Dept Phys Chem, Elect & Corros Lab, El Behoth St 33, Cairo, Egypt</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia</p> <p>Tech Univ Clausthal, Inst Mat Sci & Engn, D-38678 Clausthal Zellerfeld, Germany</p>	Metals	Jan 2017	1.984 Q-2	Twasol Research Excellence Program (TRE Program), King Saud University, Riyadh, Saudi Arabia
32	Effect of gasoline-bioethanol blends on the properties and lubrication characteristics of commercial engine oil	<p>Khuong, LS Masjuki, HH Zulkifli, NWM Mohamad, EN Kalam, MA Alabdulkarem, A Arslan, A Mosarof, MH Syahir, AZ Jamshaid, M</p>	<p>Univ Malaya, Fac Engn, Dept Mech Engn, Kuala Lumpur 50603, Malaysia</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia</p>	RSC Advances	2017	3.108 Q-2	KSU ISPP#0092

33	Effects of inclination angle and non-uniform heating on mixed convection of a nanofluid filled porous enclosure with active mid-horizontal moving	Nithyadevi, N Begum, AS Oztop, HF Al-Salem, K	Bharathiar Univ, Dept Math, Coimbatore, Tamil Nadu, India Firat Univ, Dept Mech Engr, Elazig, Turkey King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia	International Journal of Heat and Mass Transfer	2017	N/A Newly ISI Included Journal	UGC-BSR (Basic Scientific Research Fellowship) INDIA
34	Ni/Pd-Decorated Carbon NFs as an Efficient Electrocatalyst for Methanol Oxidation in Alkaline Medium	Mohamed, IMA Khalil, KA Mousa, HM Barakat, NAM	Chonbuk Natl Univ, Bionanosyst Engr Dept, South Korea King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia Menia Univ, Fac Engr, Chem Engr Dept, El Minia, Egypt	Journal of Electronic Materials	Jan 2017	1.579 Q-3	KSU ISPP-002
35	Size-Dependent Effect of Nanoceria on Their Antibacterial Activity Towards Escherichia coli	Dar, MA Gul, R Alfadda, AA Karim, MR Kim, DW Cheung, CL Almajid, AA Alharthi, NH	King Saud Univ, Ctr Excellence Res Engr Mat CEREM, Adv Mfg Inst, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Med, Coll Med, POB 2925 98, Riyadh 11461, Saudi Arabia Korea Univ, Sch Civil	Science of Advanced Materials	July 2017	1.671 Q-3	KSU DSR & National Science Foundation 1437-006

		Pulakat, L	<p>Environm & Architectural Engn, South Korea</p> <p>Univ Nebraska, Dept Chem, Lincoln, NE 68588 USA</p> <p>King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Harry S Truman Mem Vet Hosp, Columbia, MO 65201 USA</p>				
36	Effect of Nickel Content on the Corrosion Resistance of Iron-Nickel Alloys in Concentrated Hydrochloric Acid Pickling Solutions	<p>Alharthi, N</p> <p>Sherif, EM</p> <p>Abdo, HS</p> <p>El Abedin, SZ</p>	<p>King Saud Univ, CEREM, AMI, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Natl Res Ctr, Electrochem & Corros Lab, Dept Phys Chem, Cairo 12622, Egypt</p>	Advances in Materials Science and Engineering	Jan 2017	1.299 Q-3	KSU RGP-160
37	Evaluating combustion, performance and emission characteristics of Millettia pinnata and Croton megalocarpus biodiesel blends	<p>Ruhul, AM</p> <p>Kalam, MA</p> <p>Masjuki, HH</p>	<p>Univ Malaya, Ctr Energy Sci, Fac Engn, Kuala Lumpur 50603, Malaysia</p>	View ResearcherID and ORCID	Dec 2017	5.420 Q-1	KSU ISPP#0092 & University

	in a diesel engine	<p>Shahir, SA</p> <p>Alabdulkarem, A</p> <p>Teoh, YH</p> <p>How, HG</p> <p>Reham, SS</p>	<p>King Saud Univ, Mech Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia</p> <p>Univ Sains Malaysia, Sch Mech Engn, Nibong Tebal 14300, Penang, Malaysia</p> <p>KDU Penang Univ Coll, Dept Engn, George Town, Malaysia</p> <p>Petronax Refinery Ltd, Dept Maintenance & Util, Mongla Ind Area, Khulna, Bangladesh</p>				of Malaya through High Impact Research (HIR)
38	Inorganic-organic based novel nano-conjugate material for effective cobalt(II) ions capturing from wastewater	<p>Awual, MR</p> <p>Alharthi, NH</p> <p>Hasan, MM</p> <p>Karim, MR</p> <p>Islam, A ;</p> <p>Znad, H</p> <p>Hossain, MA</p> <p>Halim, ME</p> <p>Rahman, MM</p> <p>Khaleque, MA</p>	<p>King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</p>	Chemical Engineering Journal	Sep 2017	6.216 Q-1	King Saud University through ISPP-87

Civil Engineering Department & Related Research Units*

*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's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Reliability assessment of RC shear wall-frame buildings subjected to seismic loading	Tuken, Ahmet Dahesh, MA Siddiqui, Nadeem	King Saud Univ, Dept Civil Engr, Riyadh 11421, Saudi Arabia	Computers and Concrete	Dec 2017	4.520 Q-1	KSU,CoE 3/437 , Riyadh
2	Curing optimization for strength and durability of silica fume and fuel ash concretes under hot weather conditions	Khan, MI Abbas, YM	King Saud Univ, Dept Civil Engr, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Dec 2017	3.169 Q-1	KSU RGP-VPP-105
3	A Systematic Method to Analyze Force Majeure in Construction Claims	Alshammari, S Al-Gahtani, K Alhammad, I Braumah, N	King Saud Univ, Coll Engr, Dept Civil Engr, Struct Engr, POB 800, Riyadh 11421, Saudi Arabia Brunel Univ, Dept Mech Aerosp & Civil Engr, Coll Engr Design & Phys Sci, Uxbridge UB8 3PH, Middx, England	Buildings	Dec 2017	Newly Listed ISI	(KACST) Kingdom of Saudi Arabia IT-36-241
4	Bio-induction and bioremediation of cementitious composites using microbial	Al-Salloum, Y Hadi, S	King Saud Univ, Dept Civil Engr, Coll Engr, POB 800, Riyadh	Construction and Building Materials	Nov 2017	3.169 Q-1	NPST ADV-208

	mineral precipitation - A review	Abbas, H Almusallam, T Moslem, MA	11421, Saudi Arabia King Saud Univ, Dept Bot & Microbiol, Riyadh 11421, Saudi Arabia				
5	Effect of Moisture Hysteresis on the Resilient Modulus of Lime-Treated Expansive Clay	Elkady, TY Al-Mahbashi, AM Al-Shamrani, MA	Cairo Univ, Fac Engr, Soil Mech & Fdn Res Lab, Giza, Egypt King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh, Saudi Arabia	Journal of Testing And Evaluation	Nov 2017	0.547 Q-4	National Plan for Science, Technology and Innovation (MAARIFAH),
6	Evaporation reduction from open water tanks using palm-frond covers: Effects of tank shape and coverage pattern	Elsebaie, IH Fouli, H Amin, M	King Saud Univ, Dept Civil Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Ksce Journal of Civil Engineering	Nov 2017	0.812 Q-3	Research Center at the College of Engineering at King Saud University
7	Crack Width Prediction for Concrete Beams Strengthened with Carbon FRP Composites	Al-Saawani, MA El-Sayed, AK Al-Negheimish, AI	King Saud Univ, Dept Civil Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Civil Engr, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia	Journal of Composites For Construction	Oct 2017	2.648 Q-1	Center of Excellence for Concrete Research and Testing (CoE-CRT)

8	Expansive Soil Foundation Practice in a Semiarid Region	Dafalla, M Al-Shamrani, M Al-Mahbashi, A	King Saud Univ, Coll Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia	Journal of Performance of Constructed Facilities	Oct 2017	1.192 Q-2	Engineer Abdullah Bugshan Research Chair in Expansive Soils, King Saud University
9	Prediction of unsaturated shear strength of expansive clays	Al-Mahbashi, AM Elkady, TY	King Saud Univ, Coll Engn, Dept Civil Engn, Expans Soils, Riyadh, Saudi Arabia	Proceedings of The Institution of Civil Engineers-Geotechnical Engineering	Oct 2017	0.544 Q-4	Deanship of Scientific Research, King Saud University, through Vice Deanship of Scientific Research Chairs
10	Editorial	Hussain, RR	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	Proceedings of The Institution of Civil Engineers-Structures And Buildings	Oct 2017	0.424 Q-4	N/A
11	Optimized Fresh and Hardened Properties of Strain Hardening Cementitious Composites:	Khan, MI Fares, G	King Saud Univ, Coll Engn, Dept Civil Engn, Struct Engn,	Journal of Materials In Civil	Oct 2017	1.644 Q-2	National Plan for Science,

	Effect of Mineral Admixtures, Cementitious Composition, Size, and Type of Aggregates	Mourad, S	POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Ctr Excellence Concrete Res & Testing, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia	Engineering			Technology, and Innovation MAARIFA H 12-ADV2591-02
12	Novel lightweight concrete containing manufactured plastic aggregate	Alqahtani, FK Ghataora, G Khan, MI Dirar, S	Univ Birmingham, Dept Civil Engn, Birmingham, W Midlands, England King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Construction And Building Materials	Sep 2017	3.169 Q-1	KSU & University of Birmingham (UOB)
13	Extraction of halogenated hydrocarbons using hydrophobic ionic liquids	AlSaleem, SS Zahid, Waleed. M Alnashef, IM Haider, H	Qassim Univ, Coll Engn, Dept Civil Engn, POB 6677, Buraydah 51452, Saudi Arabia King Saud Univ, Coll Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia Khalifa Univ Sci & Technol, Masdar Inst, Dept Chem Engn,	Separation and Purification Technology	Aug 2017	3.359 Q-1	King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia T-T-12-0002

			POB 54224, Abu Dhabi, U Arab Emirates				
14	High temperature and residual properties of reactive powder concrete - A review	Abid, M Hou, XM Zheng, WZ Hussain, RR	Harbin Inst Technol, Minist Educ, Key Lab Struct Dynam Behav & Control, Harbin 150090, Peoples R China King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Aug 2017	3.169 Q-1	National Natural Science Foundation of China
15	Evaluation of Piled Raft Performance Using a Verified 3D Nonlinear Numerical Model	Alnuaim, Ahmed M. El Naggar, H El Naggar, MH	King Saud Univ, Dept Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia Dalhousie Univ, Dept Civil & Resource Engn, 1360 Barrington St, Halifax, NS B3H 4R2, Canada Univ Western Ontario, Dept Civil & Environm Engn, 1151 Richmond St, London, ON N6A 5B9, Canada	Geotechnical and Geological Engineering	Aug 2017	Newly ISI Listed	King Saud University (through the Saudi Cultural Bureau in Canada)
16	State-of-the-Art Review on the Role of Fly Ashes in	Moghal, AAB	King Saud Univ, Coll Engn, Dept Civil	Journal of Materials in	Aug 2017	1.644 Q-2	King Saud University,

	Geotechnical and Geoenvironmental Applications		Engn, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia	Civil Engineering			Vice Deanship of Research Chairs
17	Investigation of precast RC beam-column assemblies under column-loss scenario	Elsanadedy, HM Almusallam, TH Al-Salloum, YA Abbas, H	King Saud Univ, Dept Civil Engr, Coll Engr, Chair Res & Studies Strengthening & Rehabil Struc, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Jul 2017	3.169 Q-1	NPST-12-BUI2620-02
18	Enhanced sulfur removal by a tuned composite structure of Cu, Zn, Fe, and Al elements	Zahid, Waleed. M Othman, MA Abasaeed, AE	King Saud Univ, Dept Civil Engr, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal Of Hazardous Materials	June 2017	6.065 Q-1	KSU, DSR, College of Engineering Research Center
19	Target Reliability Approach to Study the Effect of Fiber Reinforcement on UCS Behavior of Lime Treated Semiarid Soil	Moghal, AAB Chittoori, BCS Basha, BM Al-Shamrani, MA	King Saud Univ, Coll Engr, Dept Civil Engr, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia Boise State Univ, Dept Civil Engr, Boise, ID 93725 USA IIT Hyderabad, Dept	Journal of Materials in Civil Engineering	June 2017	1.644 Q-2	National Plan for Science, Technology and Innovation (MAARIFA H 11BUI1489-02

			Civil Engn, Sangareddy 502285, Telangana, India				
20	Post-Heating Response of Concrete-Filled Circular Steel Columns	Abbas, H Al-Salloum, Y Alsayed, S Alhaddad, M Iqbal, R	King Saud Univ, Dept Civil Engn, Coll Engn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh 11421, Saudi Arabia	Ksce Journal of Civil Engineering	May 2017	0.812 Q-3	Deanship of Scientific Research Chairs at KSU, Saudi Arabia
21	Experimental investigation of progressive collapse potential of ordinary and special moment-resisting reinforced concrete frames	Almusallam, T Al-Salloum, Y Ngo, T Mendis, P Abbas, H	King Saud Univ, MMB Chair Res & Studies Strengthening & Rehabil S, Dept Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia Univ Melbourne, Dept Infrastruct Engn, Melbourne, Vic 3010, Australia	Materials and Structures	Apr 2017	2.607 Q-1	International Twinning Program under Vice-Rectorate for Graduate Studies and Research of KSU, Riyadh
22	Production of Recycled Plastic Aggregates and Its Utilization in Concrete	Alqahtani, FK Khan, MI Ghataora, G Dirar, S	King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia Univ Birmingham, Dept Civil Engn, B15 2TT, W Midlands, England King Saud Univ, Coll	Journal of Materials in Civil Engineering	Apr 2017	1.644 Q-2	King Saud University (KSU) & SABIC & KACST

			Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia				
23	Numerical transformation technique for coordinate systems in the Kingdom of Saudi Arabia	Alashaikh, AH	Coll Engn, Dept Civil Engn, POB 800, King, WI 11421 USA	Arabian Journal Of Geosciences	Mar 2017	0.955 Q-4	DSR,KSU through Research Centre at the CoE
24	Interfacial bond assessment of clay-polyolefin nanocomposites CPNC on view of mechanical and fracture properties	El-Sheikhy, R Al-Shamrani, M	King Saud Univ, Coll Engn, Dept Civil Engn, Bughshan Res Chair Expans Soil BRCES, Riyadh 11451, Saudi Arabia	Advanced Powder Technology	Mar 2017	2.659 Q-2	Bughshan Research Chair in Expansive Soil BRCES
25	Mechanical properties, phase composition and microstructure of activated Metakaolin-slaked lime binder	Morsy, MS Al-Salloum, YA Almusallam, TH Abbas, H	King Saud Univ, Dept Civil Engn, MMB Chair Res & Studies Strengthening & Rehabil S, POB 800, Riyadh 11421, Saudi Arabia	Ksce Journal of Civil Engineering	Mar 2017	0.812 Q-3	Deanship of Scientific Research Chairs at King Saud University, Saudi Arabia
26	Nonlinear dynamic response of tension leg platform under environmental loads	Jameel, M Oyejobi, DO Siddiqui, NA Sulong, NHR	Univ Malaya, Dept Civil Engn, Fac Engn, Kuala Lumpur 50603, Malaysia King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Ksce Journal of Civil Engineering	Mar 2017	0.812 Q-3	University of Malaya Research Grant (UMRG)
27	Utilization of Supplementary	Khan, MI	King Saud Univ, Dept	Ksce Journal	Mar 2017	0.812	KSU

	Cementitious Materials in HPC: From rheology to pore structure	Mourad, SM Charif, A	Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	of Civil Engineering		Q-3	RGP-VPP- 105
28	Shear capacity assessment of reinforced concrete beams with corroded stirrups	El-Sayed, AK	King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Mar 2017	3.169 Q-1	NPST and Innovation 10- BUI1191- 02
29	Developing a rating system for sustainable office buildings using Simos' procedure	Al-Sulaihi, IA Al-Gahtani, KS Al-Sugair, AM Marzouk, M	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia Cairo Univ, Dept Struct Engn, Fac Engn, Giza, Giza Governorat, Egypt	Journal of Engineering Research	Mar 2017	0.333 Q-4	NPST, Technology and Innovation (MAARIFA H) 11- BUI2090- 02
30	Reducing False Flood Warnings of TRMM Rain Rates Thresholds over Riyadh City, Saudi Arabia by Utilizing AMSR-E Soil Moisture Information	Tekeli, AE Fouli, H	Cankiri Karatekin Univ, Dept Civil Engn, Cankiri, Turkey King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Water Resources Management	Mar 2017	2.848 Q-1	College of Engineering Research Center at KSU, Riyadh,
31	Effect of some biotic factors on microbially-induced calcite precipitation in cement mortar	Al-Salloum, Y Abbas, H Sheikh, QI Hadi, S Alsayed, S	King Saud Univ, Dept Civil Engn, Coll Engn, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia King Saud Univ, Coll	Saudi Journal of Biological Sciences	Feb 2017	2.564 Q-2	NPST 11- BIO1959- 02

		Almusallam, T	Sci, Dept Bot & Microbiol, Riyadh 11421, Saudi Arabia				
32	Effect of high temperature on structural response of reinforced concrete circular columns strengthened with fiber reinforced polymer composites	Elsanadedy, H Almusallam, T Al-Salloum, Y Iqbal, R	King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia	Journal of Composite Materials	Feb 2017	1.494 Q-2	Deanship of Scientific Research Chairs at King Saud University, Saudi Arabia
33	Production of green concrete using recycled waste aggregate and byproducts	Al-Gahtani, K Alsulaihi, I Ali, M Marzouk, M	King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia King Saud Univ, Riyadh, Saudi Arabia Cairo Univ, Struct Engr Dept, Giza, Egypt	Built Environment Project And Asset Management	2017	Newly ISI Listed	NPST 11-BUI2090-02
34	Sorptive Response of Chromium (Cr+6) and Mercury (Hg+2) From Aqueous Solutions Using Chemically Modified Soils	Moghal, AAB Reddy, KR Mohammed, SA Al-Shamrani, MA Zahid, Waleed. M	King Saud Univ, Coll Engr, Dept Civil Engr, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia Univ Illinois, Dept Civil & Mat Engr, Chicago, IL 60607 USA HKBK Coll	Journal Of Testing And Evaluation	Jan 2017	0.547 Q-4	NPST 12ENV2583 -02

			<p>Engn, Dept Civil Engn, Bangalore 560045, Karnataka, India</p> <p>King Saud Univ, Coll Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
35	The Compressibility and Swell of Mixtures for Sand-Clay Liners	Dafalla, MA	King Saud Univ, Dept Civil Engn, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia	Advances In Materials Science And Engineering	2017	1.299 Q-3	(TRE Program), King Saud University, Riyadh, Saudi Arabia
36	Effect of GGBFS on time-dependent deflection of RC beams	Shariq, M Abbas, H Prasad, J	<p>Aligarh Muslim Univ, Dept Civil Engn, Aligarh, Uttar Pradesh, India</p> <p>King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh 11421, Saudi Arabia</p> <p>Indian Inst Technol Roorkee, Dept Civil Engn, Roorkee, Uttar Pradesh, India</p>	Computers and Concrete	Jan 2017	0.813 Q-4	N/A

37	Retention studies on arsenic from aqueous solutions by lime treated semi arid soils	Moghal, AAB Reddy, KR Mohammed, SA Al-Shamrani, MA Zahid, Waleed. M	King Saud Univ, Dept Civil Engn, Coll Engn, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia Univ Illinois, Dept Civil & Mat Engn, Chicago, IL 60607 USA HKBK Coll Engn, Dept Civil Engn, Bangalore 560045, Karnataka, India	International Journal of Geomate	Jan 2017	Newly ISI Listed	NPST 12ENV2583 -02
38	Enhancing tensile strength in clays using polypropylene fibers	Dafalla, MA Moghal, AAB Al-Obaid, AK	King Saud Univ, Dept Civil Engn, Coll Engn, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia	International Journal of Geomate	Jan 2017	New Listed in ISI, N/A	NPST 12ENV2583 -02
39	Physico-chemical and geo-environmental behavior of semi arid soils	Zahid, Waleed. M Moghal, AAB Obaid, AAK Al-Shamrani, MA Mohammed, SA	King Saud Univ, Dept Civil Engn, Coll Engn, Riyadh, Saudi Arabia King Saud Univ, Dept Civil Engn, Coll Engn, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia HKBK Coll Engn, Bengaluru, India	International Journal of Geomate	Jan 2017	New Listed in ISI, N/A	NPST 12ENV2583 -02

40	Effect of compaction state on the soil water characteristic curves of sand-natural expansive clay mixtures	Elkady, TY Al-Mahbashi, A Dafalla, M Al-Shamrani, M	King Saud Univ, Dept Civil Engn, Coll Engn, Riyadh, Saudi Arabia	European Journal of Environmental and Civil Engineering	2017	0.897 Q-3	NPST ENV 1183
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Industrial Engineering Department
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Related Research Unit (Advanced Manufacturing Institute)

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Effect of extrusion temperature on the surface roughness of solid state recycled aluminum alloy 6061 chips during turning operation	Ragab, AE Taha, MA Abbas, AT Al Bahkali, EA El-Danaf, EA Aly, MF	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia Zagazig Univ, Dept Mech Design & Prod, Fac Engn, Zagazig, Egypt King Saud Univ, Dept Mech Engn, Coll Engn, King Abdullah Rd, Riyadh 11421, Saudi Arabia Amer Univ Cairo, Dept Mech Engn, New Cairo, Egypt	Advances in Mechanical Engineering	Oct 2017	0.827 Q-4	King Saud University, Deanship of Scientific Research, College of Engineering Research Center
2	Fabrication Of Ultra-Thin Cdte Layers by The Close-Spaced Sublimation Techniques for Cdte/Cds Solar Cells	Karim, MR Raza, MT Othman, ZA Alturaif, HA	King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia King Saud Univ, Coll	Chalcogenide Letters	Oct 2017	0.732 Q-4	NPST 13-ENE2229-02

		Amin, N	<p>Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Sci, Dept Chem, Riyadh 11421, Saudi Arabia</p> <p>Flinders Univ South Australia, CNST, Adelaide, SA 5042, Australia</p> <p>Univ Kebangsaan Malaysia, Fac Engn Engn, Bangi, Malaysia</p>				
3	Electron beam melting of titanium alloy and surface finish improvement through rotary ultrasonic machining	<p>Ahmed, N</p> <p>Abdo, BM</p> <p>Darwish, S</p> <p>Moiduddin, K</p> <p>Pervaiz, S</p> <p>Alahmari, AM</p> <p>Naveed, M</p>	<p>King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia</p> <p>Rochester Inst Technol, Dept Mech & Ind Engn, Dubai, U Arab Emirates</p> <p>Princess Nourah Bint Abdulrahman Univ, Dept Math, Coll Sci, Riyadh, Saudi Arabia</p>	International Journal of Advanced Manufacturi ng Technology		2.209 Q-2	Deanship of Scientific Research, King Saud University

4	On modeling tool performance while machining aluminum-based metal matrix composites	<p>Umer, U Kishawy, H Ghandehariun, A Xie, LJ Al-Ahmari, A</p>	<p>King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia</p> <p>UOIT, MRL, Fac Engr & Appl Sci, Oshawa, ON, Canada</p> <p>Beijing Inst Technol, Key Lab Fundamental Sci Adv Machining, Beijing 100081, Peoples R China</p> <p>King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh 11421, Saudi Arabia</p>	International Journal of Advanced Manufacturing Technology		2.209 Q-2	King Saud University through ISPP 0059
5	Filtering and Intrusion Detection Approach for Secured Reconfigurable Mobile Systems	<p>Idriss, R Loukil, A Khalgui, M Li, ZW Al-Ahmari, A</p>	<p>Univ Carthage, INSAT Inst, Tunis, Tunisia</p> <p>King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh 12372, Saudi Arabia</p> <p>Macau Univ Sci & Technol, Inst Syst Engr, Taipa, Macao, Peoples R China</p>	Journal of Electrical Engineering & Technology	Sep 2017	0.525 Q-4	N/A
6	Drilling High Precision Holes in Ti6Al4V Using Rotary Ultrasonic Machining and Uncertainties Underlying	<p>Chowdhury, MAK Ullah, AMMS</p>	King Saud Univ, Coll Engr, Dept Ind Engr, POB 800, Riyadh 11421, Saudi Arabia	Materials	Sep 2017	2.654 Q-2	N/A

	Cutting Force, ToolWear, and Production Inaccuracies	Anwar, S	Kitami Inst Technol, Fac Engn, 165 Koen Cho, Kitami, Hokkaido 0908507, Japan				
7	A pilot study investigating the association between sleep and cognitive function among adolescents	Ahmad, S Bashir, S	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia King Saud Univ, Coll Med, Dept Physiol, Riyadh, Saudi Arabia	Asian Journal of Psychiatry	Aug 2017	Newly Listed ISI	KSU RGP - 216
8	Optimization of laser micro milling of alumina ceramic using radial basis functions and MOGA-II	Mohammed, MK Umer, U Al-Ahmari, A	King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijriss Res Chair Adv Mfg Techn, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturi ng Technology	July 2017	2.209 Q-2	Research Center of College of Engineering , KSU
9	Dynamic Output Feedback Robust MPC for LPV Systems Subject to In-put Saturation and Bounded Disturbance	Ping, XB Li, ZW Al-Ahmari, A	Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R China King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia	International Journal of Control Automation and Systems	June 2017	1.687 Q-3	ISPP at King Saud University 0079
10	Multi-Criteria Grey Relational Approach to Evaluating Reconfigurable Manufacturing	Rehman, AU	King Saud Univ, Coll Engn, Dept Ind Engn,	South African Journal of	May 2017	0.576 Q-4	Department of Industrial

	Configurations		Riyadh, Saudi Arabia	Industrial Engineering			Engineering CoE,KSU
11	GPR43 activation enhances psoriasis-like inflammation through epidermal upregulation of IL-6 and dual oxidase 2 signaling in a murine model	Nadeem, A Ahmad, SF Al-Harbi, N El-Sherbeeney, AM Al-Harbi, MM Almukhlafi, TS	King Saud Univ, Coll Pharm, Dept Pharmacol & Toxicol, POB 2455, Riyadh 11451, Saudi Arabia King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia Prince Sattam Bin Abdulaziz Univ, Coll Med, Al Kharj, Saudi Arabia	Cellular Signalling	May 2017	3.937 Q-2	KSU RG-1438-019
12	Iterative optimization for frame-by-frame object pose tracking	Ye, S Liu, CC Li, ZW Al-Ahmari, A	Nanjing niv Sci & Technol, Sch Comp Sci & Engn, Nanjing 210094, Peoples R China Macau Univ Sci & Technol, Inst Syst Engn, Taipa, Macau, Peoples R China King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Journal of Visual Communication and Image Representation	Apr 2017	2.164 Q-2	NA
13	Design and simulation based validation of the control architecture of a stacker crane based on an innovative wire-	Salah, B Janeh, O	King Saud Univ, Coll Engn, Dept Ind Engn, POB 800, Riyadh	Robotics And Computer-Integrated	Apr 2017	2.846 Q-1	NA

	driven robot	Noche, B Bruckmann, T Darmoul, S	11421, Saudi Arabia Univ Duisburg Essen, Coll Engn, Inst Prod Engn, Duisburg, Germany Univ Duisburg Essen, Chair Mechatron, Duisburg, Germany	Manufacturing			
14	Application of the sampling strategies in the inspection process	Mian, SH Al-Ahmari, AM	King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	Proceedings of the Institution of Mechanical Engineers Part B- Journal of Engineering Manufacture	Mar 2017	1.366 Q-3	King Saud University, Vice Deanship of Research Chairs
15	Deadlock recovery for flexible manufacturing systems modeled with Petri nets	Chen, YF Li, ZW Al-Ahmari, A Wu, NQ Qu, T	Macau Univ Sci & Technol, Inst Syst Engn, Taipa 999078, Macau, Peoples R China King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 12372, Saudi Arabia Jinan Univ, Sch Elect & Informat Engn, Zhuhai Campus, Zhuhai 519070,	Information Sciences	Mar 2017	4.832 Q-1	National Natural Science Foundation of China

			Peoples R China				
16	Effect of Energy Input on Microstructure and Mechanical Properties of Titanium Aluminide Alloy Fabricated by the Additive Manufacturing Process of Electron Beam Melting	Mohammad, A Alahmari, AM Mohammed, MK Renganayagalu, RK Moiduddin, K	King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia PSG Inst Adv Studies, Coimbatore 641004, Tamil Nadu, India	Materials	Feb 2017	2.654 Q-2	Deanship of Scientific Research, King Saud University
17	Automobile Tire Assessment: A Multi-Criteria Approach	Ateekh-Ur-Rehman Alkahtani, M	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Engineering Technology & Applied Science Research	Feb 2017	Newly Listed ISI	Research Center CoE, DSR, KSU
18	A New Explicit Dynamic Path Tracking Controller Using Generalized Predictive Control	Krid, M Benamar, F Lenain, R	King Saud Univ, Coll Engn, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia UPMC Univ Paris 06, Sorbonne Univ, UMR 7222, ISIR, F-75005 Paris, France CNRS, UMR 7222, F-75252 Paris 05, France Irstea, Inst Natl Rech	International Journal of Control Automation and Systems	Feb 2017	1.687 Q-3	French ANR project EquipEx RobotEx

			Sci & Technol Environm Agr, F-63178 Aubiere, France				
19	Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model	Al-Harbi, NO Nadeem, A Al-Harbi, MM Zoheir, KMA Ansari, MA El-Sherbeeney, AM Alanazi, KM Alotaibi, MR Ahmad, SF	Coll Pharm, Dept Pharmacol & Toxicol, KSU, Riyadh, Saudi Arabia Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia King Saud Univ, Coll Sci, Dept Zool, Riyadh, Saudi Arabia	Immunobiology	Feb 2017	2.720 Q-3	KSU RGP-VPP-305
20	Development of a device to reduce the risk of injury in handling unstable loads	Ramadan, MZ Alkahtani, M	King Saud Univ, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE Chair, Riyadh, Saudi Arabia	Work-A Journal of Prevention Assessment & Rehabilitation	Jan 2017	0.779 Q-4	Raytheon Chair for Systems Engineering
21	A Minimal Supervisory Structure to Optimally Enforce Liveness on Petri Net Models for Flexible Manufacturing Systems	Bashir, M Li, Z Uzam, M Al-Ahmari, A	Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R C King Saud Univ, Dept Ind Engn, Coll Engn,	IEEE Access	Jan 2017	3.244 Q-1	National Natural Science Foundation of China

		Wu, NQ Liu, D Qu, T	Riyadh 11421, Saudi Arabia Jinan Univ, Sch Elect & Informat Engr, Zhuhai 519070, Peoples R China				
22	Effect of melt parameters on density and surface roughness in electron beam melting of gamma titanium aluminide alloy	Mohammad, A Al-Ahmari, AM AlFaify, A Mohammed, MK	King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engr, Riyadh, Saudi Arabia	Rapid Prototyping Journal	Jan 2017	2.400 Q-1	NPST 11-ADV1494-02
23	Impact of task design on task performance and injury risk: case study of a simulated drilling task	Alabdulkarim, S Nussbaum, MA Rashedi, E Kim, S Agnew, M Gardner, R	King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh, Saudi Arabia Virginia Tech, Dept Ind & Syst Engr, Blacksburg, VA 24061 USA Boeing Res & Technol, Adv Ergon Technol, Everett, WA USA	Ergonomics	Jan 2017	1.818 Q-3	Boeing Company
24	A digital design methodology for surgical planning and fabrication of customized mandible implants	Nasr, EA Al-Ahmari, AM Moiduddin, K	King Saud Univ, Dept Ind Engr, Riyadh, Saudi Arabia King Saud Univ, AMI,	Rapid Prototyping Journal	Jan 2017	2.400 Q-1	NPST 11-ADV1494-02

		Al Kindi, M Kamrani, AK	Riyadh, Saudi Arabia King Saud Univ, Coll Dent, Oral & Maxillofacial Surg, Riyadh, Saudi Arabia Univ Houston, Dept Ind Engn, Houston, TX 77204 USA				
25	Assistive technologies for hearing, and speaking impaired people: a survey	Bar, G Bhatia, A Abidi, MH Alsharawy, I	King Saud Univ, Riyadh Techno Valley, Riyadh 12373, Saudi Arabia King Saud Univ, Adv Mfg Inst, FARCAMT, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia	Disability and Rehabilitation-Assistive Technology	Jan 2017	Newly ISI Listed	NPST 11-ADV1494-02
26	Prediction Model of Cutting Parameters for Turning High Strength Steel Grade-H: Comparative Study of Regression Model versus ANFIS	Abbas, AT Alata, M Ragab, AE El Rayes, MM El Danaf, EA	King Saud Univ, Coll Engn, Dept Engn Mech, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia	Advances in Materials Science and Engineering	Jan 2017	1.299 Q-3	Twazol Research Excellence Program (TRE Program), King Saud University, Riyadh, Saudi Arabia

27	Functional and aesthetic outcomes of electron beam-melted titanium reconstruction plates: an in vivo goat study.	Al Kindi, M Moiduddin, K Al-Ahmari, A Nasr, ESA Ramalingam, S Badwelan, M	King Saud Univ, Dept Oral & Maxillofacial Surg, Coll Dent, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	Biomedical Research-India	Jan 2017	0.219 Q-4	King Saud University, Vice Deanship of Research Chairs
28	How many days are required for workers to acclimatize to heat?	Khalaf, TM Ramadan, MZ Al-Ashaikh, RA	King Saud Univ, Coll Engn, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia Minist Labor, Strateg Partnership, Riyadh, Saudi Arabia	Work-A Journal Of Prevention Assessment & Rehabilitation	Jan 2017	0.779 Q-4	Research center of the College of Engineering at King Saud University
29	A study of micro-channel size and spatter dispersion for laser beam micro-milling	Darwish, S Ahmed, N Alahmari, AM Mufti, NA	King Saud Univ, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore, Pakistan	Materials and Manufacturing Processes	Jan 2017	2.274 Q-2	King Saud University, Vice Deanship of Research Chairs

30	Modeling of the microstructural properties of (x)ZnO(1-x)Fe ₂ O ₃ nanocrystallines by artificial neural network and response surface methodology	<p>Louly, MA Lemine, OM Gharbi, A</p>	<p>King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia</p> <p>Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Coll Sci, Dept Phys, Riyadh, Saudi Arabia</p>	Measurement	Jan 2017	2.359 Q-1	KSU RGP-VPP-296
31	Multi-response optimization of machining parameters in micro milling of alumina ceramics using Nd:YAG laser	<p>Umer, U Mohammed, MK Al-Ahmari, A</p>	<p>King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia</p>	Measurement	Jan 2017	2.359 Q-1	KSU RGP-VPP-296

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No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Assessing the hydrogeochemical processes affecting groundwater pollution in arid areas using an integration of geochemical equilibrium and multivariate statistical techniques	El Alfy, M Lashin, A Abdalla, F Al-Bassam, A	King Saud Univ, Prince Sultan Inst Environm Water & Desert Res, PSIPW Chair, Riyadh, Saudi Arabia King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Sci Res Chairs, Riyadh, Saudi Arabia King Saud Univ, Coll Sci, Geol & Geophys Dept, SGS, Riyadh, Saudi Arabia	Environmental Pollution	Oct 2017	5.099 Q-1	KSU RG-1435-070
2	An experimental investigation of coupled chemico-mineralogical and mechanical changes in varyingly-cemented sandstones upon CO2 injection	Rathnaweera, TD Ranjith, PG Perera, MSA	Monash Univ, Dept Civil Engr, Bldg 60, Melbourne, Australia China Univ Min & Technol, State Key	Energy	Aug 2017	4.520 Q-1	NA

	in deep saline aquifer environments	Ranathunga, AS Wanniarachchi, WAM Yang, SQ Lashin, A Al Arifi, N	Lab Geomech & Deep Underground Engr, Peoples R China King Saud Univ, Coll Engr, Petr & Nat Gas Engr Dept, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Geol & Geophys Dept, Riyadh 11451, Saudi Arabia				
3	Simulation of the multizones clastic reservoir: A case study of Upper Qishn Clastic Member, Masila Basin-Yemen	Khamis, M Bin Marta, E Al Natifi, A Fattah, KA Lashin, A	King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engr, Riyadh 11421, Saudi Arabia	Journal of African Earth Sciences	June 2017	1.420 Q-3	KSU RG-1435-070
4	Decomposition of wind speed fluctuations at different time scales	Zheng, QM Rehman, S Alam, MM Alhems, LM Lashin, A	Harbin Inst Technol, Shenzhen Grad Sch, Shenzhen, Peoples R China King Fahd Univ Petr & Minerals, Res Inst, Ctr Engr Res, Dhahran 31261, Saudi Arabia King Saud Univ, Petr & Nat Gas Engr Dept,	Journal of Earth System Science	Apr 2017	0.955 Q-4	Deanship of Scientific Research (DSR) at King Fahd University of Petroleum & Minerals (KFUPM)

			Coll Engn, Riyadh, Saudi Arabia				
5	Desalination of Seawater using Geothermal Energy to Meet Future Fresh Water Demand of Saudi Arabia	Chandrasekharam, D Lashin, A Al Arifi, N Al Bassam, A Varun, C	King Saud Univ, Coll Sci, Dept Geol & Geophys, Riyadh 11451, Saudi Arabia GeoSyndicate Power Pvt Ltd, Mumbai, Maharashtra, India King Saud Univ, Coll Engn, Petr & Nat Gas Engr Dept, Riyadh 11421, Saudi Arabia	Water Resources Management	Feb 2017	2.848 Q-1	KSU PRG-1436-08
6	A Fixed Point Theorem for JS-contraction Type Mappings with Applications to Polynomial Approximations	Altun, I Al Arifi, N Jleli, M Lashin, A Samet, B	King Saud Univ, Coll Sci, Riyadh, Saudi Arabia King Saud Univ, Geol & Geophys Dept, Coll Sci, Riyadh 11451, Saudi Arabia King Saud Univ, Coll Sci, Dept Math, POB 2455, Riyadh 11451, Saudi Arabia King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engn, Riyadh 11421, Saudi Arabia	Filomat	Jan 2017	0.695 Q-3	King Saud University

7	Modeling of a liquid desiccant dehumidification system for close type greenhouse cultivation	<p>Ali, A Ishaque, K Lashin, A Al Arifi, N</p>	<p>Mohammad Ali Jinnah Univ, Dept Elect Engn, Karachi 75400, Pakistan</p> <p>King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Geol & Geophys, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia</p>	Energy	Jan 2017	4.520 Q-1	KSU IRG14-36
8	Mechanical behaviour of Australian Strathbogie granite under in-situ stress and temperature conditions: An application to geothermal energy extraction	<p>Kumari, WGP Ranjith, PG Perera, MSA Shao, S Chen, BK Lashin, A Al Arifi, N Rathnaweera, TD</p>	<p>Monash Univ, Dept Civil Engn, Bldg 60, Melbourne, Vic 3800, Australia</p> <p>Univ Melbourne, Dept Infrastruct Engn, Bldg Block D, Melbourne, Vic 3010, Australia</p> <p>Monash Univ, Dept Mech & Aerosp Engn, Bldg 36, Melbourne, Vic 3800, Australia</p> <p>King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi</p>	Geothermics	Jan 2017	2.553 Q-2	KSU IRG14-36 & Australian Research Council

			Arabia King Saud Univ, Coll Sci, Dept Geol & Geophys, POB 2455, Riyadh 11451, Saudi Arabia				
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No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	The impact of Yb and Co on structural, magnetic, electrical and photocatalytic behavior of nanocrystalline multiferroic BiFeO ₃ particles	<p>Ahmad, S Khan, MA Sarfraz, M Rehman, AU Warsi, MF Shakir, I</p>	<p>Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>	Ceramics International	Dec 2017	2.986 Q-1	KSU RGP-VPP-312
2	PREFACE	<p>Kang, DJ Shakir, I</p>	<p>Sungkyunkwan Univ, Dept Phys, 2066 Seobu Ro, Suwon 16419, South Korea</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>	Materials Research Bulletin	Dec 2017	2.446 Q-2	NA

3	Efficient current injection device for harmonic reduction of three-phase controlled converters	Eltamaly, AM	King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Iet Circuits Devices & Systems	Nov 2017	1.092 Q-3	DSR at King Saud University, Riyadh, KSA
4	Impacts of Co ²⁺ and Gd ³⁺ co-doping on structural, dielectric and magnetic properties of MnFe ₂ O ₄ nanoparticles synthesized via micro-emulsion route	Shahid, M Shafi, S Aboud, MFA Warsi, MF Asghar, M Shakir, I	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Ceramics International	Nov 2017	2.986 Q-1	KSU RGP-VPP-312
5	Enhanced thermoelectric performance of Bi ₂ Te ₃ through uniform dispersion of single wall carbon nanotubes	Ahmad, K Wan, CL	King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia Tsinghua Univ, Sch Mat Sci & Engn, State Key Lab New Ceram & Fine Proc, Beijing 100084, Peoples R China	Nanotechnology	Oct 2017	3.440 Q-2	NPST

6	Reversible 3D self-assembly of graphene oxide and stimuli-responsive polymers for high-performance graphene-based supercapacitors	Zhao, RR Li, K Liu, RZ Sarfraz, M Shakir, I Xu, YX	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engrn Polymers, Shanghai 200433, Peoples R China King Saud Univ, Coll Engrn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Journal of Materials Chemistry A	Sep 2017	8.867 Q-1	KSU RGP-VPP-312 & National Natural Science Foundation of China
7	InSitu Growth and Wrapping of Aminoanthraquinone Nanowires in 3D Graphene Framework as Foldable Organic Cathode for Lithium-Ion Batteries	Yang, GH Bu, FX Huang, YS Zhang, Y Shakir, I Xu, YX	Fudan Univ, State Key Lab Mol Engrn Polymers, Dept Macromol Sci, Shanghai 200433, Peoples R China King Saud Univ, Coll Engrn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Chemsuschem	Sep 2017	7.226 Q-1	National Natural Science Foundation of China
8	Vertical Charge Transport and Negative Transconductance in Multilayer Molybdenum Disulfides	Liu, Y Guo, J He, QY Wu, H Cheng, HC	Univ Calif Los Angeles, Dept Mat Sci & Engrn, Los Angeles, CA 90095 USA Univ Calif Los Angeles, Dept Chem & Biochem, Los	Nano Letters	Sep 2017	12.712 Q-1	National Science Foundation EFRI-1433541

		Ding, MN Shakir, I Gambin, V Huang, Y Duan, XF	Angeles, CA 90095 USA King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia Northrop Grumman Corp, NG NEXT, Redondo Beach, CA 90278 USA				
9	Visible light driven photocatalysis for water purification by highly crystalline multiferroic BiFeO ₃ nanoparticles synthesized via wet chemical route	Ahmad, S Naseem, F Shahid, M Shakir, I Aboud, MFA Sarfranz, M Khan, MA Rehman, AU Warsi, MF	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan	Desalination and Water Treatment	Aug 2017	1.631 Q-2	KSU RGP-VPP- 312
10	Mechanochemical synthesis of two-dimensional aromatic polyamides	Yang, Y Bu, FX Liu, JJ	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engrn Polymers, Shanghai	Chemical Communicati ons	Jul 2017	6.319 Q-1	National Natural Science Foundation of China

		Shakir, I Xu, YX	200433, Peoples R China King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia				
11	Optimal Power Flow Using Particle Swarm Optimization of Renewable Hybrid Distributed Generation	Khaled, U Eltamaly, AM Beroual, A	King Saud Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia Univ Lyon, Ecole Cent Lyon, Ampere CNRS, UMR 5005, 36 Ave Guy Collongue, F-69134 Ecully, France	Energies	Jul 2017	2.262 Q-2	(ISPP) at King Saud University 0047
12	A novel current injection device for harmonic reduction of three-phase controlled converters in renewable energy utility interfacing	Eltamaly, AM	King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia	Journal of Renewable and Sustainable Energy	Jul 2017	1.135 Q-4	Deanship of Scientific Research at King Saud University in

							Riyadh, Saudi Arabi
13	One Versatile Route to Three-Dimensional Graphene Wrapped Metal Cyanide Aerogels for Enhanced Sodium Ion Storage	Bu, FX Feng, XX Jiang, TC Shakir, I Xu, YX	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engr Polymers, Shanghai 200433, Peoples R China King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia	Chemistry-A European Journal	June 2017	5.317 Q-1	KSU IRG14-19
14	Partitioning of reactive yellow 86 between aqueous and micellar media studied by differential absorption spectroscopy	Ul Haq, N Usman, M Hussain, A Farooqi, ZH Saeed, M Hanif, S Irfan, M Siddiq, M Rana, UA	Govt Coll Univ, Dept Chem, Faisalabad 38000, Pakistan Bahauddin Zakariya Univ, Inst Chem Sci, Multan 60800, Pakistan Univ Punjab, Inst Chem, Lahore 54590, Pakistan Quaid I Azam Univ, Dept Chem, Islamabad, Pakistan King Saud Univ, Sustainable Energy Technol Ctr, Coll Engr, POB 800, Riyadh 11421, Saudi	Canadian Journal Of Chemistry	June 2017	1.080 Q-3	KSU PRG-1436-18

			Arabia				
15	Design of donor-acceptor-donor (D-A-D) type small molecule donor materials with efficient photovoltaic parameters	<p>Irfan, M</p> <p>Iqbal, J</p> <p>Sadaf, S</p> <p>Eliasson, B</p> <p>Rana, UA</p> <p>Ud-din Khan, S</p> <p>Ayub, K</p>	<p>Univ Agr Faisalabad, Dept Chem, Faisalabad 38040, Pakistan</p> <p>Univ Agr Faisalabad, Punjab Bioenergy Inst PBI, Faisalabad 38040, Pakistan</p> <p>Umea Univ, Dept Chem, S-90187 Umea, Sweden</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>COMSATS Inst Informat Technol Abbottabad, Abbottabad 22060, Pakistan</p>	International Journal Of Quantum Chemistry	May 2017	2.920 Q-2	KSU PRG-1436-18
16	Karachi Nuclear Power Plant (KANUPP): As case study for techno-economic assessment of nuclear power coupled with water desalination	<p>Khan, Salah Ud-Din</p> <p>Khan, Shahab Ud-Din</p>	<p>King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>COMSATS Inst Informat Technol,</p>	Energy	May 2017	4.520 Q-1	KSU RGP-255

			Dept Math, Attock Campus, Attock, Pakistan				
17	Three-dimensional holey-graphene/niobia composite architectures for ultrahigh-rate energy storage	Sun, HT Mei, L Liang, JF Zhao, ZP Lee, C Fei, HL Ding, MN Lau, J Li, MF Wang, C Xu, X Hao, GL Papandrea, B Shakir, I Dunn, B Huang, Y Duan, XF	Univ Calif Los Angeles, Dept Chem & Biochem, Los Angeles, CA 90095 USA Hunan Univ, Coll Chem & Chem Engr, State Key Lab Chemo Biosensing & Chemometr, Changsha 410082, Hunan, Peoples R China Univ Calif Los Angeles, Dept Mat Sci & Engr, Los Angeles, CA 90095 USA Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh , Saudi Arabia	Science	May 2017	37.205 Q-1	KSU PEJP-17-01 & U.S. Department of Energy (DOE)
18	Dispersion-Assembly Approach to Synthesize Three-Dimensional	Zhang, Y Huang, YS	Fudan Univ, State Key Lab Mol Engr Polymers, Dept	Acs Applied Materials & Interfaces	May 2017	7.504 Q-1	KSU IRG14-19 &

	Graphene/Polymer Composite Aerogel as a Powerful Organic Cathode for Rechargeable Li and Na Batteries	Yang, GH Bu, FX Li, K Shakir, I Xu, YX	Macromol Sci, Shanghai 200433, Peoples R China King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia				National Natural Science Foundation of China
19	Porous Fe ₂ O ₃ Nanoframeworks Encapsulated within Three-Dimensional Graphene as High-Performance Flexible Anode for Lithium-Ion Battery	Jiang, TC Bu, FX Feng, XX Shakir, I Hao, GL Xu, YX	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China Xiangtan Univ, Hunan Key Lab Micronano Energy Mat & Devices, Xiangtan 411105, Peoples R China King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	ACS Nano	May 2017	13.942 Q-1	KSU IRG14-19 & National Natural Science Foundation of China
20	Microwaves absorbing characteristics of metal ferrite/multiwall carbon nanotubes nanocomposites in	Bibi, M Abbas, SM Ahmad, N	Hazara Univ, Dept Chem, Mansehra, Pakistan	Composites Part B- Engineering	Apr 2017	4.727 Q-1	KSU PRG-1436- 18

	X-band	<p>Muhammad, B</p> <p>Iqbal, Z</p> <p>Rana, UA</p> <p>Khan, SUD</p>	<p>Dongguk Univ, Dept Energy & Mat Engr, 30 Pildong Ro 1gil, Seoul 100715, South Korea</p> <p>Natl Ctr Phys, Nanosci & Technol Dept, Islamabad, Pakistan</p> <p>Riphah Int Univ, Dept Phys, Fac Engr & Appl Sci, 1-14 Campus, Islamabad, Pakistan</p> <p>King Saud Univ, Coll Engr, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>				
21	Reduction in thermal conductivity of BiSbTe lump	<p>Ahmad, K</p> <p>Wan, C</p> <p>Al-Eshaikh, MA</p> <p>Kadachi, AN</p>	<p>King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Tsinghua Univ, Sch Mat Sci & Engr, State Key Lab New Ceram & Fine Proc, Beijing 100084, Peoples R China</p>	Applied Physics A- Materials Science & Processing	Mar 2017	1.455 Q-3	NPST 11-NAN1913-02

			King Saud Univ, Coll Engn, Res Ctr, POB 800, Riyadh 11421, Saudi Arabia				
22	Benchmark study of UV/Visible spectra of coumarin derivatives by computational approach	Irfan, M Iqbal, J Eliasson, B Ayub, K Rana, UA Khan, SUD	Univ Agr Faisalabad, Dept Chem, Faisalabad 38040, Pakistan Univ Agr Faisalabad, Punjab Bioenergy Inst, Faisalabad 38040, Pakistan Umea Univ, Dept Chem, S-90187 Umea, Sweden COMSATS Inst Informat Technol Abbottabad, Dept Chem, Kpk 22060, Pakistan King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Molecular Structure	Feb 2017	1.753 Q-3	KSU PRG-1436- 18 & COMSATS Institute of Information Technology, Abbottabad
23	Three-dimensional graphene/polyimide composite-derived flexible high-performance organic cathode for rechargeable	Huang, YS Li, K Liu, JJ	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R	Journal of Materials Chemistry A	Feb 2017	8.867 Q-1	KSU IRG14-19 & National Natural

	lithium and sodium batteries	Zhong, X Duan, XF Shakir, I Xu, YX	China Univ Calif Los Angeles, Dept Chem & Biochem, Los Angeles, CA 90095 USA King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia				Science Foundation of China
24	Simulation and Verification Studies of Reactivity Initiated Accident by Comparative approach of NK/TH coupling codes and RELAP5 code	Khan, SUD Peng, MJ Song, YT Khan, SUD Haider, S	Chinese Acad Sci, Inst Plasma Phys, Hefei, Anhui, Peoples R China King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia Harbin Engn Univ, Coll Nucl Sci & Technol, Harbin, Peoples R China	Atw-International Journal for Nuclear Power	Feb 2017	0.045 Q-4	KSU RGP-VPP-255
25	Efficient Synthesis of Novel Pyridine-Based Derivatives via Suzuki Cross-Coupling Reaction of Commercially Available 5-Bromo-2-methylpyridin-3-amine:	Ahmad, G Rasool, N Ikram, HM Gul Khan, S	Govt Coll Univ Faisalabad, Dept Chem, Faisalabad 38000, Pakistan COMSATS Inst	Molecules	Feb 2017	2.861 Q-2	KSU PRG-1436-18 & University

	Quantum Mechanical Investigations and Biological Activities	<p>Mahmood, T</p> <p>Ayub, K</p> <p>Zubair, M</p> <p>Al-Zahrani, E</p> <p>Ali Rana, U</p> <p>Akhtar, MN</p> <p>Alitheen, NB</p>	<p>Informat Technol, Dept Chem, Univ Rd, Tobe Camp, Abbottabad 22060, Pakistan</p> <p>Taif Univ, Dept Chem, Fac Sci, At Taif 888, Saudi Arabia</p> <p>King Saud Univ, Sustainable Energy Technol Ctr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Malaysia Pahang, Fac Ind Sci & Technol, Razak 26300, Kuantan Pahang, Malaysia</p> <p>Univ Putra Malaysia, Fac Biotechnol & Biomol Sci, Serdang 43400, Selangor Darul, Malaysia</p>				of Malaysia Pahang
26	Effect of Uniform Dispersion of Single-Wall Carbon Nanotubes on the Thermoelectric Properties of BiSbTe-Based Nanocomposites	<p>Ahmad, K</p> <p>Wan, CL</p> <p>Al-Eshaikh, MA</p>	<p>King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Tsinghua Univ, Sch</p>	Journal of Electronic Materials	Feb 2017	1.579 Q-3	NPST 11-NAN1913-02

			<p>Mat Sci & Engn, State Key Lab New Ceram & Fine Proc, Beijing 100084, Peoples R China</p> <p>King Saud Univ, Coll Engn, Res Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>				
27	Influence of surfactant type on the dispersion state and properties of graphene nanoplatelets reinforced aluminium matrix nanocomposites	<p>Baig, Z</p> <p>Mamat, O</p> <p>Mustapha, M</p> <p>Sarfraz, M</p>	<p>Univ Teknol Petronas, Dept Mech Engn, Tronoh 32610, Perak, Malaysia</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</p>	Fullerenes Nanotubes and Carbon Nanostructures	Jan 2017	1.350 Q-3	KSU RG-1437-029 & Universiti Teknologi PETRONAS
28	Partitioning of structurally related thiophene derivatives between solvent and micellar media of anionic surfactant sodium dodecyl sulphate	<p>Saeed, R</p> <p>Usman, M</p> <p>Mansha, A</p> <p>Rasool, N</p> <p>Naqvi, SAR</p> <p>Zahoor, AF</p> <p>Rahman, HMA</p> <p>Rana, UA</p> <p>Al-Zahrani, E</p>	<p>Govt Coll Univ, Dept Chem, Faisalabad 38000, Pakistan</p> <p>Forman Christian Coll, Dept Chem, Lahore 54600, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>	Colloids and Surfaces A-Physicochemical and Engineering Aspects	Jan 2017	2.714 Q-2	KSU PRG-1436-18

			Taif Univ, Dept Chem, Coll Sci, At Taif 888, Saudi Arabia				
29	Mg _{0.8} Ca _{0.2} Nd _x Fe _{2-x} O ₄ -graphene nano-heterostructures for various potential applications	Warsi, MF Latif, A Ajmal, S Shahid, M Malik, AS Khan, MA Asghar, M Aboud, MFA	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan Bahauddin Zakariya Univ, Dept Elect Engn, Univ Coll Engn & Technol, Multan 60800, Pakistan Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan King Saud Univ, Sustainable Energy Technol SET Ctr, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia Al Azhar Univ, Min Met & Petr Engn Dept, Coll Engn, Cairo 11371, Egypt	Synthetic Metals	Oct 2017	2.439 Q-2	KSU RG-1473-025
30	Impact of Dy on structural, dielectric and magnetic properties of Li-Tb-nanoferrites synthesized by	Abbas, MK Khan, MA	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur	Ceramics International	May 2017	2.986 Q-1	KSU RG-1437025

	micro-emulsion method	<p>Mushtaq, F</p> <p>Warsi, MF</p> <p>Sher, M</p> <p>Shakir, I</p> <p>Aboud, MFA</p>	<p>63100, Pakistan</p> <p>Bahauddin Zakariya Univ, Dept Biochem, Multan 60800, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p>Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Al Azhar Univ, Coll Engn, Min Met & Petr Engn Dept, Cairo 11371, Egypt</p>				
31	Novel SrO-CaO Mixed Metal Oxides Catalyst for Ultrasonic-Assisted Transesterification of Jatropha Oil into Biodiesel	<p>Ali, SD</p> <p>Javed, IN</p> <p>Rana, UA</p> <p>Nazar, MF</p> <p>Ahmed, W</p> <p>Junaid, A</p>	<p>Natl Ctr Phys, Nano Sci & Technol Dept, Islamabad 45320, Pakistan</p> <p>Govt Postgrad Coll, Dept Chem, Jhelum 49600, Pakistan</p>	Australian Journal of Chemistry	2017	1.267 Q-3	KSU PRG-1436-18

		<p>Pasha, M</p> <p>Nazir, R</p> <p>Nazir, R</p>	<p>King Saud Univ, Coll Engr, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Gujrat, Dept Chem, Gujrat 50700, Pakistan</p> <p>Univ Gujrat, Off Res Innovat & Commercializat, Gujrat 50700, Pakistan</p> <p>Univ Engr & Technol, Dept Chem, Lahore 54890, Pakistan</p>				
32	The effect of rare earth Dy ³⁺ ions on structural, dielectric and electrical behavior of new nanocrystalline PbZrO ₃ perovskites	<p>Shahzad, MA</p> <p>Shahid, M</p> <p>Bibi, I</p> <p>Khan, MA</p> <p>Nawaz, MA</p> <p>Aboud, MFA</p> <p>Asghar, M</p> <p>Paracha, RN</p> <p>Warsi, MF</p>	<p>Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p>King Saud Univ, Coll Engr, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Sargodha, Dept</p>	Ceramics International	Jan 2017	2.986 Q-1	KSU RG-1437- 025

			Chem, Sub Campus, Bhakkar, Pakistan				
33	The effect of rare earth dy ³⁺ ions on structural, dielectric and electrical behavior of ni _(0.4) co _(0.6) dyyfe _(2-y) o ₍₄₎ nano-ferrites synthesized by wet chemical approach	Aboud, MFA Ahmad, I Arshad, S Liaqat, S Gilani, ZA Nadeem, Q Shakir, I	King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia Allama Iqbal Open Univ, Dept Chem, Islamabad 44000, Pakistan Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan BUIITEMS, Dept Phys, Quetta 87300, Pakistan	Digest Journal of Nanomaterial s and Biostructures	Jan 2017	0.836 Q-4	KSU RG- 1437025

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No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Role of nitrogen doping at the surface of titanium nitride thin films towards capacitive charge storage enhancement	<p>Achour, A Chaker, M Achour, H Arman, A Islam, M Mardani, M Boujtita, M Le Brizoual, L Djouadi, MA Brousse, T</p>	<p>INRS, 1650 Blvd Lionel Boulet, Varennes, PQ J3X 1P7, Canada</p> <p>Ecole Polytech Fed Lausanne, Inst Condensed Matter Phys, CH-1015 Lausanne, Switzerland</p> <p>Sharif Univ Technol Branch, Vacuum Technol Grp, Acad Ctr Educ Culture & Res ACECR, Tehran, Iran</p> <p>King Saud Univ, Coll Engr Adv Mfg Inst (CEREM), Riyadh 11421, Saudi Arabia</p> <p>Univ Nantes, CEISAM, CNRS, 2 Rue Houssiniere,BP</p>	Journal Of Power Sources	Dec 2017	6.395 Q-1	N/A

			<p>32229, F-44322 Nantes 3, France</p> <p>Univ Rennes 1, Inst Elect & Telecommun, IETR, UMR 6164, CNRS, Campus Beaulieu, Bat 11D, 263 Av Gen Leclerc, F- 35042 Rennes, France</p> <p>Univ Nantes, CNRS, Inst Mat Jean Rouxel IMN, 2 Rue Houssiniere, BP32229, F-44322 Nantes 3, France</p>				
2	Plasma surface functionalization of boron nitride nano-sheets	<p>Achour, H</p> <p>Achour, A</p> <p>Solaymani, S</p> <p>Islam, M</p> <p>Vizireanu, S</p> <p>Arman, A</p> <p>Ahmadpourian, A</p> <p>Dinescu, G</p>	<p>Ecole Polytech Fed Lausanne, Inst Condensed Matter Phys, CH-1015 Lausanne, Switzerland</p> <p>Natl Inst Sci Res, 1650 Bd Lionel Boulet, Varennes, PQ J3X 1P7, Canada</p> <p>Islamic Azad Univ, Sci & Res Branch, Dept Phys, Tehran, Iran</p> <p>King Saud Univ, Adv Mfg Inst, CEREM, POB</p>	Diamond and Related Materials	Dec 2017	2.561 Q-2	KSU RGP-283 & Romanian National Authority

			<p>800, Riyadh 11421, Saudi Arabia</p> <p>Natl Inst Laser Plasma & Radiat Phys, POB MG-16, Bucharest 077125, Romania</p> <p>Sharif Univ Technol Branch, ACECR, Vacuum Technol Grp, Tehran, Iran</p> <p>Islamic Azad Univ, Arak Branch, Young Researchers & Elite Club, Arak, Iran</p>				
3	Synthesis and characterization of porous CaCO ₃ micro/nano-particles	<p>Achour, A</p> <p>Arman, A</p> <p>Islam, M</p> <p>Zavarian, AA</p> <p>Al-Zubaidi, AB</p> <p>Szade, J</p>	<p>Univ Silesia, August Chelkowski Inst Phys, Dept Solid State Phys, Uniwersytecka 4, PL- 40007 Katowice, Poland</p> <p>ACECR, Vacuum Technol Grp, Sharif Branch, Tehran, Iran</p> <p>King Saud Univ, CEREM, POB 800, Riyadh 11421, Saudi Arabia</p>	European Physical Journal Plus	June 2017	1.753 Q-2	RGP RGP-283
4	Self-assembled Co ₃ O ₄ nanoplatelets into microspheres via a simple	<p>Dar, MA</p> <p>Nam, SH</p>	<p>King Saud Univ, Adv Mfg Inst, Coll Engn, CEREM, POB</p>	Journal Of Alloys And Compounds	Feb 2017	3.133 Q-2	KSU DSR 1437-006

	<p>solvothermal route: Structural and electrochemical properties</p>	<p>Abdo, HS Almajid, AA Kim, DW Qurashi, A Kim, WB</p>	<p>800, Riyadh 11421, Saudi Arabia</p> <p>Gwangju Inst Sci & Technol, Sch Mat Sci & Engr, Cheomdan Gwagiro 500712, Gwangju, South Korea</p> <p>Korea Univ, Sch Civil Environm & Architectural Engr, Seoul 136713, South Korea</p> <p>King Fahd Univ Petr & Minerals, Ctr Excellence Nanotechnol CENT, Dhahran 31261, Saudi Arabia</p>				
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No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor & Quartile	Grant Number if funded by KSU or KACST
1	Performance Enhancement of Telemedicine Network by Free Space Optics Links Provisioning	Siraj, M Shoaib, M Memon, I	King Saud Univ, Coll Engn, King, WI USA King Saud Univ, Prince Sultan Adv Technol Res Inst, Riyadh, Saudi Arabia Muslim Youth Univ, Dept Comp Sci, Islamabad, Pakistan	Acta Physica Polonica A	Jan 2017	0.469 Q-4	N/A
2	Compact size tapered slot antenna array for ultra broadband applications	Alsulaiman, S Ashraf, MA Jamil, K Shoaib, M Alshebieli, S	King Saud Univ, PSATRI, Riyadh 11421, Saudi Arabia King Saud Univ, E Soc, KACST TIC & Photon RFTONICS, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	Jan 2017	0.731 Q-4	KACST, PSATRI

Appendix-B: Details of Granted Patents (2017)

No	Title of Patent	Inventor Name	Affiliation (Assignee)	Patent (Publication)Number	Date of Publication	Patent office (Country)
1	Lumbar spine pedicle screw guide	Amro Fayez Al-Habib Abdulrahman A.Ahmari Wadea Ameen	CoE King Saud University	US9814497 B1	Nov 14, 2017	USPTO
2	Solid particle receiver with porous structure for flow regulation and enhancement of heat transfer	Hany Al-Ansary Abdelrahman E.Leathy Zeyad Al-Suhaibani Saeed Al-Zahrani Sheldon Jeter Said Abdel-Khalik Dennis Sadowski Matthew Golob	CoE King Saud University	US9732986 B2	Aug 15, 2017	USPTO
3	Self power SSHI circuit for piezoelectric energy harvester	Ali M. Eltamaly Khaled Addoweesh	CoE King Saud University	US9548680 B2	Jan 17, 2017	USPTO
4	EAFD stabilizer for returned concrete and mixer drum wash water	Rajeh Zaid Al-Zaid Abdulaziz I. Al- Negheimish Abdulrahman M. Alhozaimy M. Iqbal Khan	CoE King Saud University	US9623451 B2	Apr 18, 2017	USPTO

5	Multi-rotor vertical axis wind turbine	Mamdooh S. T. Al-Saud Ali M.A. Eltamaly A. M. A. Al-Ahmari	CoE King Saud University	US9752556 B1	Sep 5, 2017	USPTO
6	Tunable filter comprising a microstrip patch having symmetrical slots, asymmetrical feed lines and plurality of diodes	Abdel Fattah Ahmad Sheta Majeed A. S. AlKanhhal	CoE King Saud University	US9831538B2	28 Nov 2017	USPTO
7	Fiber reinforced composite system for strengthening of wall-like RC columns and methods for preparing such system	Yousef A. Al-Salloum Husain Abbas Saleh H. Alsayed Nadeem A. Siddiqui	CoE King Saud University	US9580908B2	28 Feb 2017	USPTO
8	System for forming a T-shaped tubular fitting	Atef M. Abdo Ghaleb Mohamed Ali Eissa Saleh Adham M. Azzat Ragab	CoE King Saud University	US9586248 B1	Mar 7, 2017	USPTO
9	Synthesis of silver nanoparticles using fungi	Khalid M. Osman Ortashi Manal Ahmed G. Awad Awatif Ahmed Hendi	CoE King Saud University	US9701552 B1	July 11, 2017	USPTO

		Abeer R. M. Abdelaziz Ahmed S. A. Hendi Abdulhakeem A. Alahmed				
10	Green synthesis of reduced graphene oxide using Nigella sativa seed extract	Manal Ahmed G. Awad Awatif Ahmed Hendi Khalid Mustafa O. Ortashi Amel Laref	CoE King Saud University	US9850133 B2	Dec 26, 2017	USPTO
11	Method of preparing date palm seednanoparticles	Manal Ahmed G. Awad Ebtesam M. Al Olayan Hany Mohamed Yehia Khalid Mustafa O. Ortashi Hatem Salama M. Ali Manal Fawzy Elkhadragey	CoE King Saud University	US9623067 B1	18 Apr 2017	USPTO
12	Synthesis of reduced graphene oxide nanoparticles	Manal Ahmed G. Awad Awatif Ahmed Hendi Khalid Mustafa O. Ortashi Amel Laref	CoE King Saud University	US9815701 B1	Nov 14, 2017	USPTO

		Nawal Ahmad Madkhali Hajar Abdullah Aldakhil Fatimah Yahya M. Al- Abbas Lena Jassim				
13	Concrete-filled steel tubular column for high load carrying capacity and fire resistance	Husain Abbas Yousef A Al-Salloum Tarek H Almusallam	CoE King Saud University	US9677273 B2	Jun 13, 2017	USPTO
14	Precast reinforced concrete construction elements with pre-stressing connectors	Husain Abbas Yousef A. Al-Salloum Tarek H. Almusallam	CoE King Saud University	US9765521 B1	19 Sep 2017	USPTO
15	Interlocking and insulated construction blocks	Yousef A. Al-Salloum Mohamed S. Morsy Tarek H. Almusallam Husain Abbas	CoE King Saud University	US9,822,529B1	21 Nov 2017	USPTO
16	An integral tile/foam building block and method for making same	Mohammed S. Morsy Tarek H. Almusallam Yousef A. Al-Salloum Husain Abbas	CoE King Saud University	KACST/5577	29 Oct 2017	SAPO

17	Method of storing exfoliated nanoclay particles	Refat Ahmed I. Elsheikhy Mosleh Ali Alshamrani	CoE King Saud University	US9643889 B1	May 9, 2017	USPTO
18	Device for measuring expansive soil shrinkage	Refat Ahmed I. El-Sheikhy Mosleh Ali Al-Shamrani	CoE King Saud University	US9625438 B1	18 Apr 2017	USPTO
19	Expansive soil resistant foundation system	Refat Ahmed I. El-Sheikhy Mosleh Ali Al-Shamrani	CoE King Saud University	US9803329 B1	31 Oct 2017	USPTO
20	Internal batch mixer with three-wing non-intermeshing rotors	Shafaat Ahmed Salahudeen Othman Y. Alothman Rabeh H. Elleithy	CoE King Saud University	US9694330 B1	4 Jul 2017	USPTO
21	Nanotechnology tank for retaining water temperature degree	Refat Ahmed I. El-Sheikhy Mosleh Ali Al-Shamrani	CoE King Saud University	KACST 5315	12 April 2017	SAPO
22	Nanotechnology double tank for protecting temperature degree	Refat Ahmed I. El-Sheikhy Mosleh Ali Al-	CoE King Saud University	KACST 5314	12 April 2017	SAPO

	of liquids, solids and gages	Shamrani				
23	Filling quad screw machine with injection under pressure	Refat Ahmed I. El-Sheikhy Mosleh Ali Al-Shamrani	CoE King Saud University	KACST 5475	31 July 2017	SAPO

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