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## Dean's Message

I am honored and privileged to be the Dean of the College that stands for excellence and continuously sets the high standards in teaching, research and innovation.



It is encouraging to find a considerable improvement in publication of research papers by our faculty members in peer reviewed ISI journals of high repute. In comparison with publications results of the previous year, number & percentage of ISI publications by our faculty members in quality journals have gone up. I am very optimistic that it will further accelerate in days to come and I do hope more members of the college will get involved in high quality work whose cutting edge research and innovation will be relevant to the needs of industry & society.

Quality research is a priority to our College and the University. In addition to research efforts of individuals and groups, the College has research entities 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.

I congratulate faculty & staff members of the College for their achievements of publishing research works in ISI journals and obtaining National and International patents for their innovative works. Your distinguished achievements are appreciated and expected.

**Prof. Waleed M. Zahid**

Dean, College of Engineering

## 1- Summary

Details mentioned in this booklet reflects the contribution of faculty members and research entities of the College of Engineering (CoE) towards publication of high quality ISI research papers in peer reviewed journals and acquiring international patents for their innovative research works in the year of 2018. It also provides comparison of the college research performance with international benchmarks.

Three hundred forty (340) research papers were published in 2018 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 0.55 to 2.63 for the different College departments.

Twenty five percent (25%) of the college ISI papers were published by faculty members of the Electrical Engineering department. Members of the Chemical, Mechanical, Industrial and Civil Engineering departments published 23%, 16%, 15% & 10% of the total, respectively. The college research entities contributed about 9% of the total ISI publication

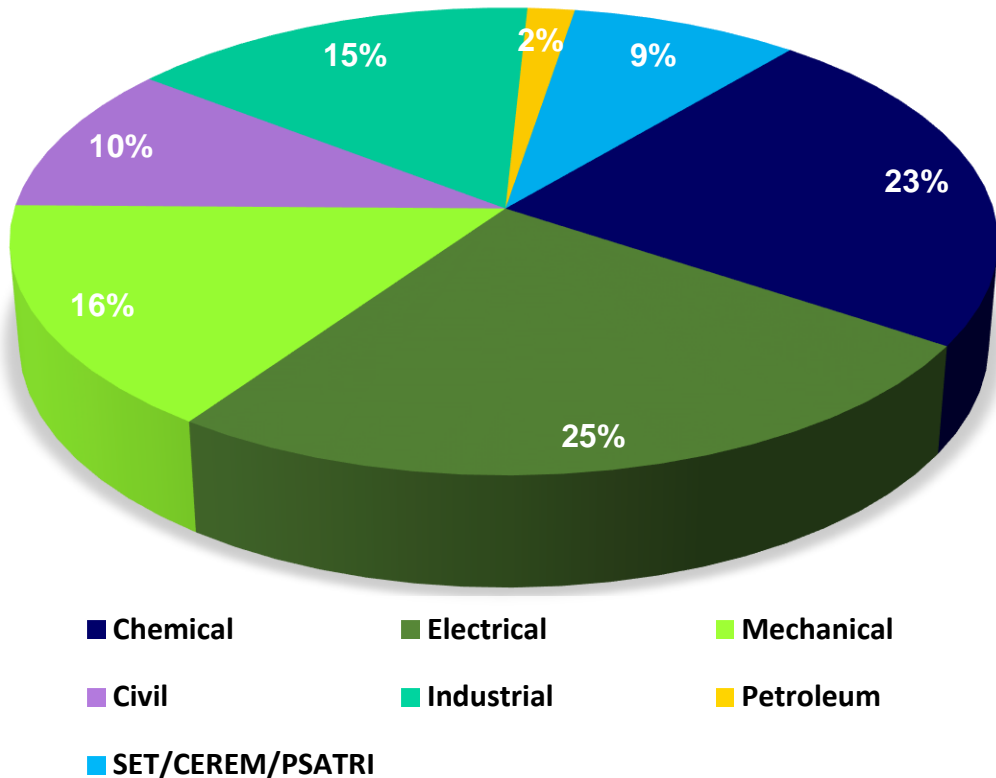
Achievements of faculty members of the Chemical, Electrical, Mechanical and Industrial Engineering department are higher than the US benchmark by 22%, 81%, 5% and 210%, respectively.

A total of 33 Patents were granted to faculty members of the CoE in 2018, which is highest number of patents granted to faculty members of College of Engineering in one calendar year. Out of these 33 patents, eight patents were granted to faculty members of the Civil Engineering department (7 Saudi & 1 European) and eight patents were granted to faculty members of Mechanical Engineering (4 Saudi and 4 US). Six Patents were granted to faculty members from Electrical Engineering (1 Saudi, 4 US & 1 European) and five patents were granted to Chemical Engineering faculty members (3 US & 2 European). One US patent was granted to faculty members of Industrial Engineering Department. Also, five US patents were granted to a joint team comprising member of Chemical Engineering Department and Faculty members of College of Science. This achievement enables us to compete with the international scientific community in the respective fields of Engineering.

## 2- ISI Publication

### 2-1 College-ISI Publication for the Year 2018

340 ISI papers were published by the entire college in 2018. Figure-1 below shows the percent contribution of various academic departments and research entities in the publication of ISI journals. 25% of the college ISI papers were published by faculty members of the Electrical Engineering department. Members of the Chemical, Mechanical, Industrial, and Civil Engineering departments published 23%, 16%, 15% and 10% of the total respectively, and that of the Petroleum Engineering was 2%. The College research entities contributed about 9% of the total publication.



**SET:** Sustainable Energy Technology Centre  
**CEREM:** Centre of Excellence for Research in Engineering Material  
**PSATRI:** Prince Sultan Advanced Technology Research Institute

**Figure-1: Contribution of the College Academic Departments and Research Entities in ISI Journals (2018)**

## 2-2 College-ISI publication versus US Benchmark for the Year 2018

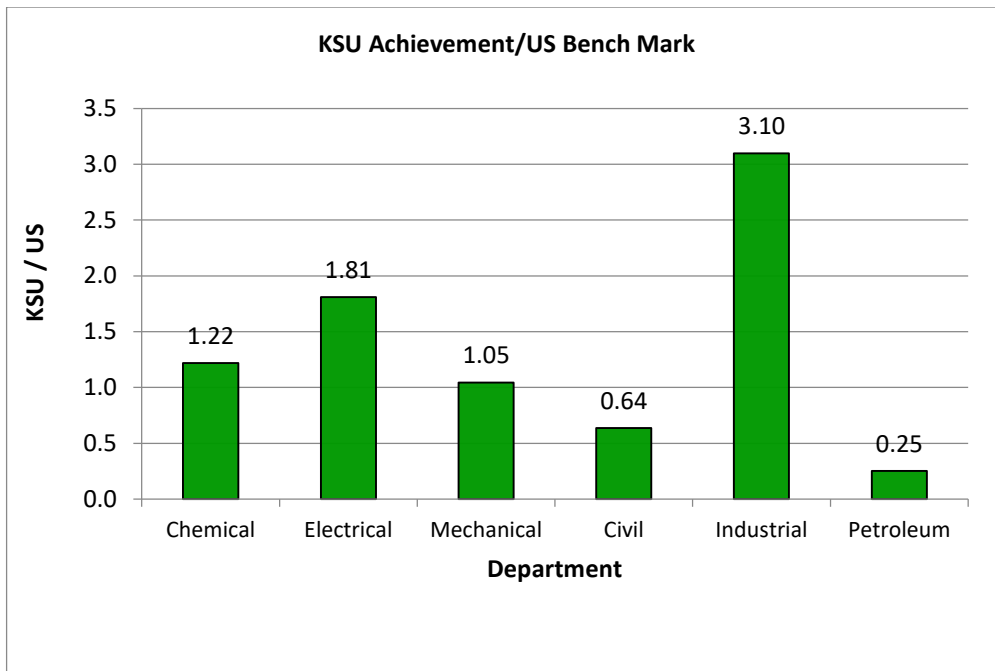
Table-1 below presents the average values of ISI research papers published per faculty member for various departments in the year 2018, and compares them with US Benchmark (average for top 30 US Universities). It can be seen that in some of our Engineering departments, the achievements of faculty members 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, Mechanical and Industrial Engineering department are higher by 22%, 81%, 5% and 210% 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 2018 as per JCR quartile rankings (JCR: Journal Citation Report).

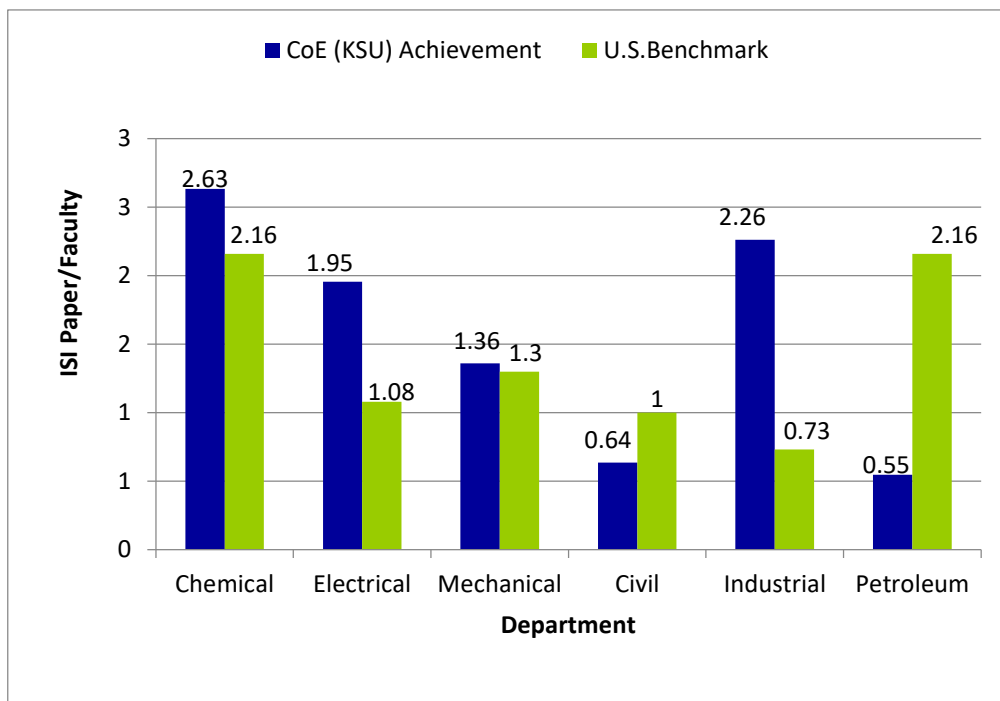
**Table-1: ISI Papers per Faculty Member of the College of Engineering Versus US Benchmark for the Year 2018**

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	79	30	2.63	2.16	1.22	22%
Electrical	86	44	1.95	1.08	1.81	81%
Mechanical	53	39	1.36	1.3	1.05	5%
Civil	35	55	0.64	1	0.64	-36%
Industrial	52	23	2.26	0.73	3.10	210%
Petroleum	6	11	0.55	2.16	0.25	-75%

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

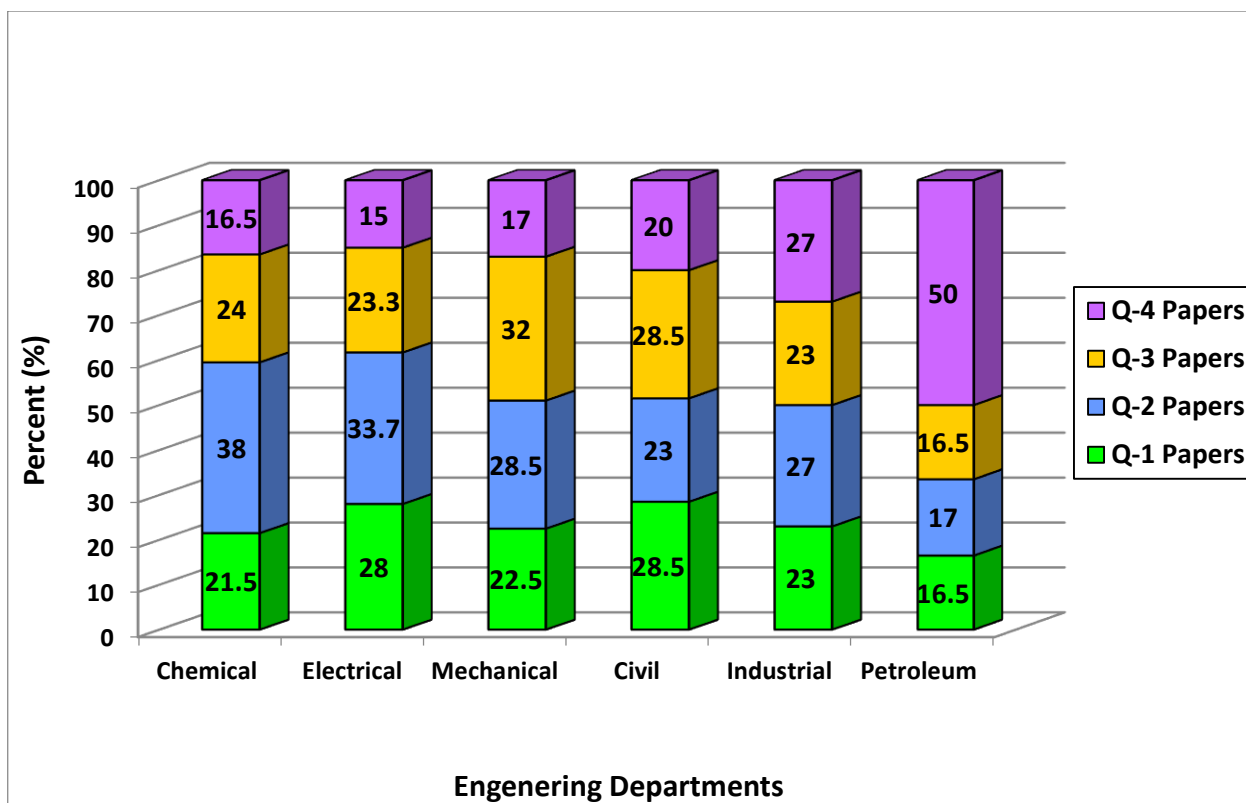


**Figure-2-A: Ratio of “College ISI Papers per Faculty Member” to “US Benchmark ISI Papers per Faculty Member” for the Year 2018**



US Benchmark: Average of 30 top US Universities

**Figure-2-B: Comparison of ISI Papers per Faculty Member of the College Versus US Benchmark for the Year 2018**



**Figure-3: Quality of ISI Papers (Q-percentage) of various College Departments in 2018 as per JCR Quartile Rankings**

### 2-3 College-ISI Publication for the Years 2014-2018

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, 2017 and 2018. Three hundred and forty papers were published in 2018.

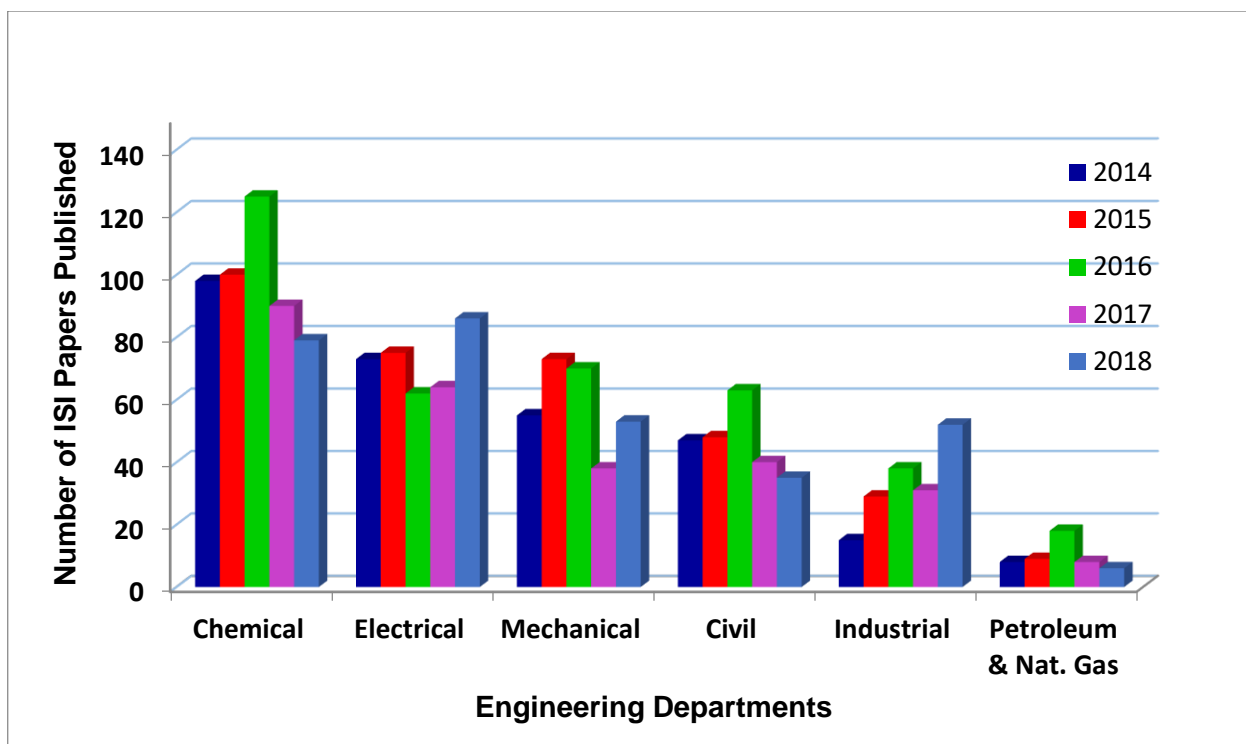
It is evident from the table that there is a continuous improvement in number of ISI papers per faculty member in the last four years lead by the Chemical Engineering department and followed by the Electrical, Mechanical, Civil, Industrial and Petroleum Engineering department. Figure-4 below depicts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

**Table-2: Summary of Published ISI Papers of the College Departments and Research Entities during the Years 2014-2018**

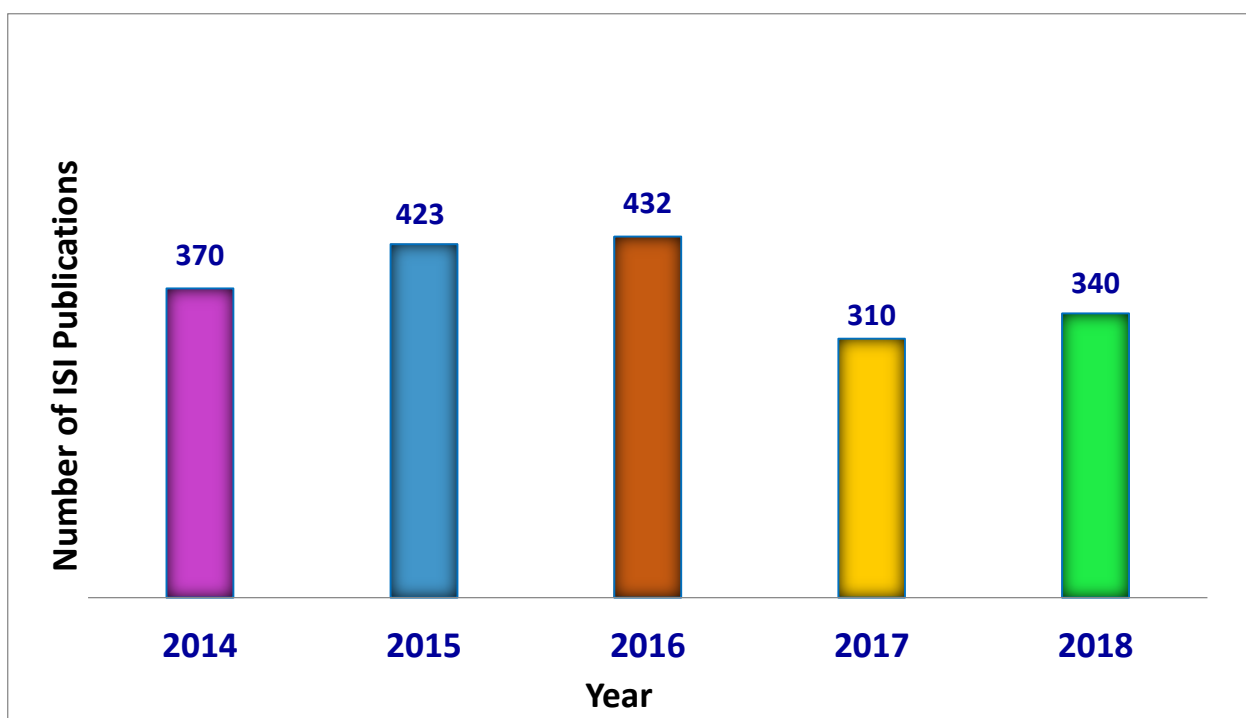
Department	Number of ISI Research Papers Published					Comparison with Last Year
	2014	2015	2016	2017	2018	(%)
Chemical Engineering	98	100	125	90	79	-12.2
Electrical Engineering	73	75	62	64	86	+34.3
Mechanical Engineering	55	73	70	38	53	+39.4
Civil Engineering	47	48	63	40	35	-12.5
Industrial Engineering	15	29	38	31	52	+67.7
Petroleum & Nat. Gas Engineering	08	09	18	8	6	-25
SET Sustainable Energy Technology Centre	50	60	23	33	20	-39.4
CEREM Centre of Excellence for Research in Engineering Material	20	23	30	04	9	+125
PSATRI Prince Sultan Advanced Technology Research Institute	04	06	03	02	0	-100
<b>TOTAL</b>	<b>370</b>	<b>423</b>	<b>432</b>	<b>310</b>	<b>340</b>	

As shown in Figure-5, the total number of ISI papers published by the college of engineering increased from 370 in 2014 to 423 in 2015 & 432 in 2016, then in 2017 dropped by 28% (compared with 2016) to 310 papers. However, in 2018 it has increased by almost 10 % (340) as compared to ISI publications in 2017.





**Figure-4: Published ISI Papers by the College Departments during the Years 2014-2018**



**Figure-5: Total Number of ISI Papers Published by the College Departments and Research Entities during the Years 2014-2018**

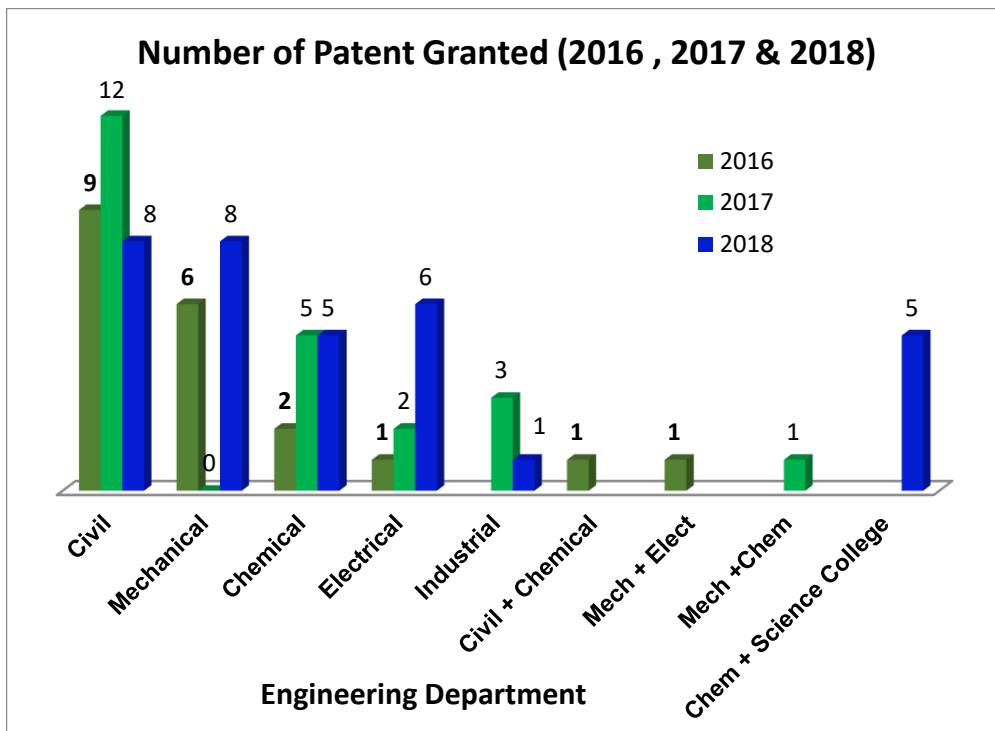
### 3- Patents

Figure-6 below shows the number of Patents granted to various departments of the college in the years 2016, 2017 & 2018.

A total of 33 Patents were obtained by the faculty members in 2018. Five KSA patents were granted to faculty members of the Civil Engineering department.

Six US Patents and two US Patents were granted to faculty members from the Chemical and Electrical Engineering departments, respectively.

One European Patent was granted to Mechanical Engineering faculty members.



**Figure-6: Granted Patents to CoE Departments for the Years 2016 , 2017 & 2018**

# **Appendix-A: Details of Published ISI Papers (2018)**

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

**Authors in black color: External, non KSU Members**

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

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 more generalized kinetic model for binary substrates fermentations	Putra, Meilana Dharma [1] <b>Abasaeed, Ahmed E. [2]</b>	[1] Lambung Mangkurat Univ, Fac Engr, Dept Chem Engr, Banjarbaru 70713, Indonesia  [2] <b>King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Process Biochemistry</b>	Dec 2018	<b>2.616 Q-3</b>	Research Center at the College of Engineering, King Saud University
2	A comprehensive review summarizing the effect of electrospinning parameters and potential applications of nanofibers in biomedical and biotechnology	Haider, Adnan [1] <b>Haider, Sajjad [2]</b> Kang, Inn-Kyu [1]	[1] Kyungpook Natl Univ, Sch Appl Chem Engr, Dept Polymer Sci & Engr, Daegu 702701, South Korea  [2] <b>King Saud Univ, Dept Chem Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Arabian Journal Of Chemistry</b>	Dec 2018	<b>2.969 Q-2</b>	General Research Program from Ministry of Education, Science and Technology of Korea

			<b>Arabia</b>				
<b>3</b>	Nanostructured Cuprous-Oxide-Based Screen-Printed Electrode for Electrochemical Sensing of Picric Acid	James, Soorya [1] Chishti, Benazir [1] Ansari, Sajid Ali [2] <b>Alothman, Othman Y. [3,4]</b> <b>Fouad, H.) [5]</b> Ansari, Z. A. [1] Ansari, S. G. [1]	[1] Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India [2] King Faisal Univ, Dept Phys, Coll Sci, Al Hasa 31982, Saudi Arabia <b>[3] King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</b> [4] Saudi Elect Univ, Grad Studies, Riyadh 13316, Saudi Arabia <b>[5] King Saud Univ, Dept Appl Sci Med, Community Coll, Riyadh 11437, Saudi Arabia</b>	<b>Journal Of Electronic Materials</b>	Dec 2018	<b>1.566 Q-3</b>	Deanship of Scientific Research, Research Center, College of Engineering, King Saud University
<b>4</b>	Pore size fractal dimension for characterizing Au/TiO <sub>2</sub>	<b>Mahmood, Asif [1]</b>	<b>[1] King Saud Univ, Coll</b>	<b>Modern Physics Letters</b>	Nov 2018	<b>0.731 Q-4</b>	N/A

	catalyst		Engn, Dept Chem Engn, Riyadh, Saudi Arabia	B			
5	Electrical, structural, and thermal properties of succinonitrile-LiI-I-2 redox-mediator	Gupta, Ravindra Kumar [1] Bedja, Idriss [1] Islam, Ashraful [2] Shaikh, Hamid [3]	[1] King Saud Univ, Coll Appl Med Sci, Dept Optometry, Cornea Res Chair, POB 10219, Riyadh 11433, Saudi Arabia  [2] Natl Inst Mat Sci, Photovolta Mat Grp, Sengen 1-2-1, Tsukuba, Ibaraki 3050047, Japan  [3] King Saud Univ, Coll Engn, Dept Chem Engn, SABIC Polymer Res Ctr, POB 800, Riyadh 11421, Saudi Arabia	Solid State Ionics	Nov 2018	2.751 Q-2	Deanship of Scientific Research at King Saud University
6	Influence of Sn content on the electrocatalytic activity of NiSn alloy nanoparticles-	Barakat, Nasser A. M. [1] AI-Mubaddel,	[1] Menia Univ, Chem Engn Dept, El Minia, Egypt	International Journal Of Hydrogen	Nov 2018	4.229 Q-2	KSU RG-1439-042

	incorporated carbon nanofibers toward methanol oxidation	Fahad S. [2] <b>Karim, Mohammad Rezual [3]</b> Alrashed, Maher [2] Kim, Hak Yong [1]	[2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  <b>[3] King Saud Univ, Ctr Excellence Mat Res CEREM, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Energy</b>			
7	Effects of Surface Treatments on Tensile, Thermal and Fibre-matrix Bond Strength of Coir and Pineapple Leaf Fibres with Poly Lactic Acid	Siakeng, Ramengmawii [1] <b>Jawaid, Mohammad [1,2]</b> Ariffin, H (Ariffin, Hidayah [1,3] Salit, Mohd Sapuan [4]	[1] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Higher Inst Ctr Excellence Wood & Trop Fibre HiCo, Serdang 43400, Malaysia  <b>[2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11451, Saudi Arabia</b>  [3] Univ Putra Malaysia, Fac Biotechnol & Biomol Sci, Dept	<b>Journal Of Bionic Engineering</b>	Nov 2018	<b>2.325 Q-1</b>	Ministry of Higher Education (Malaysia)



			Bioproc Technol, Serdang 43400, Malaysia  [4] Univ Putra Malaysia, Fac Engn, Dept Mech & Mfg Engn, Serdang 43400, Malaysia				
<b>8</b>	Understanding the effect of functionalized carbon nanotubes on the properties of tamarind gum hydrogels	Choudhary, Barbiee [1,2] Paul, Suprio R. [1,2] Nayak, Suraj K. [1] Singh, Vinay K. [1] <b>Anis, Arfat [3]</b> Pal, Kunal [1]	[1] Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India  [2] Amity Univ, Amity Inst Biotechnol, Noida 201313, India  <b>[3] King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</b>	<b>Polymer Bulletin</b>	Nov 2018	<b>1.589</b> <b>Q-3</b>	N/A

9	Novel route for amine grafting to chitosan electrospun nanofibers membrane for the removal of copper and lead ions from aqueous medium	<p><b>Haider, Sajjad [1]</b></p> <p><b>Ali, FAA [1]</b></p> <p>Haider, Adnan [2]</p> <p><b>Al-Masry, Waheed A. [1]</b></p> <p><b>Al-Zeghayer, Yousef [1]</b></p>	<p><b>[1] King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Kohat Univ Sci &amp; Technol, Dept Chem, Kohat, Kp, Pakistan</p>	<b>Carbohydrate Polymers</b>	Nov 2018	<b>5.158 Q-1</b>	KSU RG-1437-029
10	Designing dibenzosilole and methyl carbazole based donor materials with favourable photovoltaic parameters for bulk heterojunction organic solar cells	<p>Zara, Zeenat [1]</p> <p>Iqbal, Javed [1,2]</p> <p>Iftikhar, Sana [3]</p> <p><b>Khan, Salah Ud-Din [4]</b></p> <p><b>Haider, Sajjad [5]</b></p> <p>Eliasson, Bertil [6]</p> <p>Ayub, Khurshid [7].</p>	<p>[1] Univ Agr Faisalabad, Dept Chem, Faisalabad 38040, Pakistan</p> <p>[2] Univ Agr Faisalabad, PBI, Faisalabad 38040, Pakistan</p> <p>[3] Govt Coll Univ, Fac Sci, Faisalabad, Pakistan</p> <p><b>[4] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</b></p> <p><b>[5] King Saud Univ, Coll</b></p>	<b>Computational And Theoretical Chemistry</b>	Oct 2018	<b>1.443 Q-4</b>	KSU RGP-255

			<p><b>Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b></p> <p>[6] Umea Univ, Dept Chem, SE-90187 Umea, Sweden</p> <p>[7] COMSATS Inst Informat Technol Abbottabad, Dept Chem, Kpk 22060, Pakistan</p>				
<b>11</b>	Thermal properties of sugar palm/glass fiber reinforced thermoplastic polyurethane hybrid composites	<p>Atiqah, A. [1]</p> <p><b>Jawaid, M. [1,4]</b></p> <p>Sapuan, S. M. [1,2]</p> <p>Ishak, M. R. [3]</p> <p><b>Alothman, Othman Y. [4]</b></p>	<p>[1] Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia</p> <p>[2] Univ Putra Malaysia, Fac Engn, Dept Mech Engn, Serdang 43400, Selangor, Malaysia</p> <p>[3] Univ Putra Malaysia, Fac</p>	<b>Composite Structures</b>	Oct 2018	<b>4.101 Q-1</b>	Universiti Putra Malaysia through Putra grant

			<p>Engn, Dept Aerosp Engn, Serdang 43400, Selangor, Malaysia</p> <p><b>[4] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b></p>				
<b>12</b>	<p>Thermal, physical properties and flammability of silane treated kenaf/pineapple leaf fibres phenolic hybridcomposites</p>	<p>Asim, M. [1] Paridah, M. T. [1] Saba, N. [1] <b>Jawaid, M. [1,2]</b> <b>Alothman, Othman Y. [2]</b> Nasir, M. [3] <b>Almutairi, Z. [4]</b></p>	<p>[1] Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia</p> <p><b>[2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b></p> <p>[3] Banda Univ, Fac Forestry, Forest Prod Div, Banda, India</p> <p><b>[4] King Saud Univ, Coll Engn,</b></p>	<b>Composite Structures</b>	Oct 2018	<b>3.671 Q-2</b>	<p>International Scientific Partnership Program ISPP at King Saud University ISPP-0011</p>

			<b>Dept Mech Engn, Riyadh, Saudi Arabia</b>				
<b>13</b>	Enhancement of brackish water desalination using hybrid membrane distillation and reverse osmosis	<b>Ali, Emad [1]</b> <b>Orfi, Jamel [2]</b> <b>Najib, Abdullah [2]</b> <b>Saleh, Jehad [1]</b>	<b>[1] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b> <b>[2] King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia</b>	<b>Plos One</b>	Oct 2018	<b>2.766</b> <b>Q-1</b>	KSU Deanship of scientific research at King Saud University
<b>14</b>	Preparation and Characterization of Alkyd Resins Based on Citrullus colocynthis Seed Oil	Sbihi, Hassen Mohamed [1] Shaikh, Hamid [2] <b>El Blidi, Lahssen [2]</b> Nehdi, Imed Arbi	<b>[1] King Saud Univ, Coll Sci, Dept Chem, POB 2454, Riyadh 1145, Saudi Arabia</b> <b>[2] King Saud Univ, Dept Chem</b>	<b>Journal Of Renewable Materials</b>	Oct 2018	<b>0.986</b> <b>Q-4</b>	(KACST) at King Saud University 35-301

		[1] <b>Samad, Ubair Abdus [2]</b>  Romdhani-Younes, Moufida [3]  Al-Resayes, Saud Ibrahim [1]	<b>Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Univ Tunis El Manar, Fac Sci Tunis, Dept Chem, Lab Struct Organ Chem, Tunis 2092, Tunisia				
<b>15</b>	Investigation of the efficiency of sorption-enhanced methanol synthesis process in circulating fast fluidized bed reactors	<b>Abashar, M. E. E. [1]</b>  <b>Al-Rabiah, A. A. [1]</b>	<b>[1] King Saud Univ, Coll Engn, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Fuel Processing Technology</b>	Oct 2018	<b>3.956 Q-1</b>	King Saud University, Deanship of Scientific Research, College of Engineering Research Center
<b>16</b>	Ionic liquids for the separation of benzene and cyclohexane - COSMO-RS screening and experimental validation	Salleh, M. Zulhaziman M. [1]  <b>Hadj-Kali, Mohamed K. [2]</b>  Hashim, Mohd A. [1]  <b>Mulyono, Sarwono [2]</b>	[1] Univ Malaya, Ctr Ion Liquid, Dept Chem Engr, Fac Engr, Kuala Lumpur, Malaysia  <b>[2] King Saud Univ, Chem Engr Dept, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Journal Of Molecular Liquids</b>	Sep 2018	<b>4.513 Q-2</b>	KSU RGP-108

17	Designing and fabrication of phenothiazine and carbazole based sensitizers for photocatalytic water splitting application	<p><b>Kumar, Nadavala Siva [1]</b> Dhar, Abhishek [2]</p> <p><b>Ibrahim, Ahmed A. [1]</b> Vekariya, Rohit L. [3] Bhadja, Poonam [4,5]</p>	<p><b>[1] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Univ Calcutta, Dept Chem Engn, Raja Bazar Sci Coll, Kolkata 700009, India</p> <p>[3] Shanghai Jiao Tong Univ, Sch Chem &amp; Chem Engn, 800 Dongchuan RD, Shanghai 200240, Peoples R China</p> <p>[4] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[5] Ton Duc Thang Univ, Fac Environm &amp; Labour Safety, Ho Chi Minh City, Vietnam</p>	<b>International Journal Of Hydrogen Energy</b>	Sep 2018	<b>4.229 Q-2</b>	KSU RGP-1437-003
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18	Integrated QMMM and Monte Carlo methods for analysis of adsorptive interactions between goethite cluster, carbon nanotubes, and arsenate	<p>Nguyen Ngoc Ha [1]</p> <p>Le Minh Cam [1]</p> <p>Nguyen Thi Thu Ha [1]</p> <p>Jiang, Zhong-Tao [2]</p> <p><b>El-Harbawi, Mohanad [3]</b></p> <p>Yin, Chun-Yang [4]</p>	<p>[1] Hanoi Natl Univ Educ, Dept Theoret &amp; Phys Chem, Fac Chem, 136 Xuan Thuy, Hanoi 100000, Vietnam</p> <p>[2] Murdoch Univ, Sch Engr &amp; Informat Technol, Surface Anal &amp; Mat Engr Res Grp, Murdoch, WA, Australia</p> <p><b>[3] King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia</b></p> <p>[4] Newcastle Univ Singapore, Ngee Ann Polytech, 537 Clementi Rd 06-01, SIT Bldg, Singapore 599493, Singapore</p>	<b>International Journal Of Quantum Chemistry</b>	Sep 2018	<b>2.568 Q-3</b>	Royal Academy of Engineering under the Newton Research Collaboration Programme & KSU, RGP-VPP-303
19	Enhancement of CO2 Removal Efficacy of Fluidized Bed Using Particle Mixing	<p><b>Al-Ghurabi, Ebrahim H. [1]</b></p> <p><b>Ajbar,</b></p>	<p><b>[1] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421,</b></p>	<b>Applied Sciences-Basel</b>	Sep 2018	<b>1.689 Q-3</b>	King Abdulaziz City of Science and



		<b>Abdelhamid [1]</b> <b>Asif, Mohammad [1]</b>	<b>Saudi Arabia</b>				Technology (KACST), Saudi Arabia AT 35-125
<b>20</b>	Improving Fluidization Hydrodynamics of Group C Particles by Mixing with Group B Particles	<b>Al-Ghurabi, Ebrahim H. [1]</b> <b>Ajbar, Abdelhamid [1]</b> <b>Asif, Mohammad [1]</b>	<b>[1] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Applied Sciences-Basel</b>	Sep 2018	<b>1.689 Q-3</b>	King Abdulaziz City of Science and Technology (KACST), Saudi Arabia AT 35-125
<b>21</b>	Experimental and multidimensional numerical analysis of the thermal behavior of an anhydrite radiant slab floor heating system: A multi-objective sensitivity study	Merabtine, Abdelatif [1,2,5] <b>Mokraoui, Salim [3]</b> Kheiri, Abdelhamid [4] Dars, Anass [2] Hawila, Abed Al-waheed [5]	[1] Univ Reims, GRESPI, Campus Moulin Housse, F-51687 Reims, France [2] EPF Sch Engn, 2 Rue Fernand Sastre, F-10430 Rosieres Pres Troyes, France <b>[3] King Saud Univ, Dept Chem Engn, Riyadh, KSA</b> [4] Univ Lorraine, CNRS, LEMTA, F-54000	<b>Energy And Buildings</b>	Sep 2018	<b>4.457 Q-1</b>	Grand-Est Region in France

			Nancy, France [5] Univ Technol Troyes, ICD CREIDD, CNRS, UMR 6281, 12 Rue Marie Curie, BP2060, F-10010 Troyes, France				
22	Long-term desalinated water demand and investment requirements: a case study of Riyadh	Ouda, O. K. M. [1] Khalid, Y. [2] Ajbar, A. H. [3] Rehan, M. [4] Shahzad, K. [4] <b>Wazeer, I. [3]</b> Nizami, A. S. [4]	[1] Prince Mohammad Bin Fahd Univ, Al Khobar, Saudi Arabia  [2] Univ Politecn Cataluna, Inst Energy Technol, Barcelona, Spain  <b>[3] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b>  [4] King Abdulaziz Univ, CEES, Jeddah, Saudi Arabia	<b>Journal Of Water Reuse And Desalination</b>	Sep 2018	<b>0.688 Q-4</b>	KSU RGP-VPP-188
23	The role of synthesis method on ZnO nanoparticles: implications for zinc dissolution and arsenite	Amrani, Mokhtar Ali [1] Gadhaf, Asmita S.	[1] Taiz Univ, Fac Engn & Informat Technol, Taizi 6803,	<b>Desalination And Water Treatment</b>	Aug 2018	<b>1.383 Q-3</b>	CSIR, India & KSU RGP-1435-

	adsorption in water	[2] Labhasetwar, Nitin K. [2] <b>Al-Fatesh, Ahmed Sadeq [3]</b> <b>Haider, Sajjad [3]</b>	Yemen [2] CSIR Natl Environm Engr Res Inst CSIR NEERI, Energy & Resource Management Div, Nagpur 440020, Maharashtra, India  <b>[3] King Saud Univ, Coll Engr, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b>				078
24	Adsorptive removal of phenolic compounds from aqueous solutions using pine cone biomass: kinetics and equilibrium studies	<b>Kumar, Nadavala Siva [1]</b> <b>Asif, Mohammad [1]</b> <b>Al-Hazzaa, Mansour I. [1]</b>	<b>[1] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Environmental Science And Pollution Research</b>	Aug 2018	<b>2.800 Q-2</b>	KSU RGP-292
25	Systematic study of mono- and tri-TEMPO-based electrolytes for highly efficient next-generation dye-sensitised photo harvesting	Dhar, Abhishek [1] <b>Kumar, Nadavala Siva [2]</b> <b>Asif, Mohammad [2]</b> Vekariya, Rohit L.	[1] Univ Calcutta, Rajabazar Sci Coll, Dept Chem Engr, Kolkata 700009, India  <b>[2] King Saud Univ, Dept Chem Engr, POB 800,</b>	<b>Journal Of Photochemistry And Photobiology A-Chemistry</b>	Aug 2018	<b>2.891 Q-2</b>	Deanship of Scientific Research at the King Saud University

		[3,4]	<p><b>Riyadh 11421, Saudi Arabia</b></p> <p>[3] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[4] Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City, Vietnam</p>				
26	Fabrication of D-pi-A sensitizers based on different donors substituted with a dihydropyrrolo [3,4-c]pyrrole-1,4-dione bridge for DSSCs: influence of the CDCA co-absorbent	<p>Dhar, Abhishek [1]</p> <p><b>Kumar, Nadavala Siva [2]</b></p> <p><b>Asif, Mohammad [2]</b></p> <p>Vekariya, Rohit L. [3,4]</p>	<p>[1] Univ Calcutta, Raja Bazar Sci Coll, Dept Chem Engn, Kolkata 700009, India</p> <p><b>[2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[4] Ton Duc</p>	<b>New Journal Of Chemistry</b>	July 2018	<b>1.450 Q-3</b>	KSU RGP-292

			Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam				
27	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging	Yang, Yanling [1] Wang, Peiyuan [1] Lu, Liangfei [1] Fan, Yong [1] Sun, Caixia [1] Fan, Lingling [2] Xu, Congjian [2] <b>El-Toni, Ahmed Mohamed [3,4]</b> <b>Alhoshan, Mansour [5]</b> Zhang, Fan [1]	[1 & 2] Fudan Univ, Shanghai Key Lab Mol Catalysis & Innovat Mat, Collaborat Innovat Ctr Chem Energy Mat, State Key Lab Mol Engrn Polymers, Dept Chem, Shanghai 200433, Peoples R China <b>[3] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia</b> [4] CMRDI, Cairo 11421, Egypt <b>[5] King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia</b>	<b>Analytical Chemistry</b>	July 2018	<b>3.201 Q-2</b>	National Key R & D Program of China

28	A Stability-Indicating Lc-MS Method For Determination Of Perindopril And Its Process Related Impurities	<p><b>Kumar, Nadavala Siva [1]</b> Sreenivasulu, Vudagandla [2]</p> <p>Ramachandra, Bondigalla [3]</p> <p><b>Asif, Mohammad [1]</b></p> <p><b>Ibrahim, Ahmed A. [1]</b></p>	<p>[1] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[2] Cipla Ltd, Analyt Dev Lab, Bangalore, Karnataka, India</p> <p>[3] Govt Coll Men A, Dept Chem, Kadapa 516004, Andhra Prades, India</p>	Pharmaceutica I Chemistry Journal	July 2018	<b>0.679</b> <b>Q-4</b>	<b>KSU</b> RGP-1437 - 003
29	Kinetic modeling of the simultaneous production of ethanol and fructose by Saccharomyces cerevisiae	<p><b>Sulieiman, Ashraf K. [1]</b> Putra, Meilana Dharma [2]</p> <p><b>Abasaeed, Ahmed E. [1]</b></p> <p><b>Gaily, Mohamed H. [1]</b></p> <p><b>Al-Zahrani, Saeed M. [1]</b></p> <p><b>Zeinelabdeen, Mohamed A. [1]</b></p>	<p>[1] King Saud Univ, Dept Chem Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[2] Lambung Mangkurat Univ, Chem Engr Dept, Fac Engr, Banjarmasin 70123, Indonesia</p>	Electronic Journal Of Biotechnology	July 2018	<b>1.811</b> <b>Q-3</b>	King Saud University, Deanship of Scientific Research, College of Engineering Research Center
30	Mechanical properties evaluation of sisal fibre	Senthilkumar, K. [1]	[1] Kalasalingam Acad Res & Educ,	Construction And Building	June 2018	<b>3.485</b> <b>Q-1</b>	Kalasalingam Academy

	<p>reinforced polymer composites: A review</p>	<p>Saba, N. [2] Rajini, N. [1] Chandrasekar, M. [3] <b>Jawaid, M. [2,5]</b> Siengchin, Suchart [4] <b>Alotman, Othman Y. [5]</b></p>	<p>Dept Mech Engn, Ctr Composite Mat, Madurai 626126, Tamil Nadu, India</p> <p>[2] Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod INTROP, Lab Biocomposite Technol, Upm Serdang 43400, Selangor, Malaysia</p> <p>[3] Univ Putra Malaysia, Fac Engn, Dept Aerosp Engn, Upm Serdang 43400, Selangor, Malaysia</p> <p>[4] King Mongkuts Univ Technol North Bangkok, Grad Sch Engn TGGS, Bangkok, Thailand</p> <p><b>[5] King Saud Univ, Coll</b></p>	<p><b>Materials</b></p>			<p>of Research and Education, Tamilnadu, India</p>
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			<b>Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b>				
<b>31</b>	Effect of Fiber Loadings and Treatment on Dynamic Mechanical, Thermal and Flammability Properties of Pineapple Leaf Fiber and Kenaf Phenolic Composites	Asim, M. [1] <b>Jawaid, M. [1,2]</b> Nasir, M. [3] Saba, N. [1]	[1] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia  [2] <b>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b>  [3] Forest Res Inst, Forest Prod Div, Composite Wood, Dehra Dun 248006, Uttar Pradesh, India	<b>Journal Of Renewable Materials</b>	June 2018	<b>0.986 Q-4</b>	<b>N/A</b>
<b>32</b>	Enhancing mechanical properties of epoxy/polyaniline coating with addition of ZnO nanoparticles: Nanoindentation characterization	<b>Samad, Ubair Abdus [1]</b> <b>Alam, Mohammad Asif [1]</b>	[1] <b>King Saud Univ, CEREM, POB 800, Riyadh, Saudi Arabia</b>  [2] Univ Islam	<b>Progress In Organic Coatings</b>	June 2018	<b>3.133 Q-2</b>	Center of Excellence for Research in Engineering Materials



		Chafidz, Achmad [2] <b>Al-Zahrani, Saeed M. [3]</b> <b>Alharthi, Nabeel H. [1,4]</b>	Indonesia, Dept Chem Engr, Yogyakarta 55584, Indonesia  <b>[3] King Saud Univ, Chem Engr Dept, POB 800, Riyadh, Saudi Arabia</b>  <b>[4] King Saud Univ, Mech Engr Dept, Coll Engr, Riyadh, Saudi Arabia</b>				(CEREM), College of Engineering, King Saud University
<b>33</b>	Extraction of nitrogen compounds from model fuel using 1-ethyl-3-methylimidazolium methanesulfonate	Salleh, M. Zulhaziman M. [1,2] <b>Hadj-Kali, Mohamed K. [3]</b>  Hizaddin, Haneef F. [1,2]  Hashim, M. Ali [1,2]	[1] Univ Malaya, Fac Engr, Dept Chem Engr, Kuala Lumpur 50603, Malaysia  [2] Univ Malaya, UMCIL, Kuala Lumpur 50603, Malaysia  <b>[3] King Saud Univ, Chem Engr Dept, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Separation And Purification Technology</b>	May 2018	<b>3.927 Q-1</b>	University of Malaya under the HIR  & <b>KSU</b> RGP-VPP-108
<b>34</b>	Pyridinium-clubbed dicationic	Dhar, Abhishek [1]	[1] Univ	<b>New Journal</b>	May 2018	<b>3.201</b>	<b>KSU</b>

	ionic liquid electrolytes for efficient next-generation photo harvesting	<p><b>Kumar, Nadavala Siva [2]</b></p> <p><b>Asif, Mohammad [2]</b></p> <p>Vekariya, Rohit L. [3,4]</p>	<p>Calcutta, Dept Chem Engn, Raja Bazar Sci Coll, Kolkata 700009, India</p> <p><b>[2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[4] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam</p>	<b>Of Chemistry</b>		<b>Q-2</b>	RGP-292
<b>35</b>	Preparation and Characterization of Cassava Starch/Peel Composite Film	<p>Edhirej, Ahmed [1,2]</p> <p>Sapuan, S. M. [1,3]</p> <p><b>Jawaid, Mohammad [3,4]</b></p> <p>Zahari, Nur Ismarrubie [1]</p>	<p>[1] Univ Putra Malaysia, Dept Mech &amp; Mfg Engn, Upm Serdang 43400, Selangor, Malaysia</p> <p>[2] Sabha Univ, Dept Chem &amp; Mat Engn, Sabha,</p>	<b>Polymer Composites</b>	May 2018	<b>1.943 Q-2</b>	Exploratory Research Grant Scheme

			<p>Libya</p> <p>[3] Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod, Lab Biocomposites Technol, Upm Serdang 43400, Selangor, Malaysia</p> <p><b>[4] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b></p>				
<b>36</b>	The First-Principle Study of the Electronic Structure, Ferromagnetic and Thermoelectric Properties of Spinel Alloy FeAl <sub>2</sub> O <sub>4</sub> Using mBJ Functional Approach	<p>Yaseen, M [1]</p> <p>Mahmood, Q [2]</p> <p>Ramay, SM [3]</p> <p>Ali, I . [1]</p> <p>Naz, M. Y. [1]</p> <p><b>Mahmood, Asif [4]</b></p>	<p>[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan</p> <p>[2] Univ Punjab, Mat Growth &amp; Simulat Lab, Dept Phys, Lahore 54000, Pakistan</p> <p>[3] King Saud Univ, Dept Phys &amp; Astron, Coll Sci, Riyadh, Saudi Arabia</p>	<b>Journal Of Superconductivity And Novel Magnetism</b>	May 2018	<b>1.142 Q-4</b>	<b>KSU</b> RG1435-004 & Higher Education Commission (HEC), Pakistan

			<b>[4] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b>				
<b>37</b>	Effective photo-harvesting by dye sensitized solar cell based on dihydrothieno [3,4-b] [1,4] dioxine bridge based metal free organic dye	Dhar, Abhishek [1] <b>Kumar, Nadavala Siva [2]</b> <b>Ibrahim, Ahmed A. [2]</b> Vekariya, Rohit L. [3,4]	[1] Univ Calcutta, Raja Bazar Sci Coll, Dept Chem Engn, Kolkata 700009, India <b>[2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b> [3] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City, Vietnam [4] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam	<b>Organic Electronics</b>	May 2018	<b>3.680 Q-1</b>	Deanship of Scientific Research, Research Center at the College of Engineering, King Saud University
<b>38</b>	Efficient solid state dye sensitized solar cell based on tricationic ionic crystal pyridinium-imidazolium electrolytes	Vekariya, Rohit L. [1,2] Dhar, Abhishek [3] <b>Kumar, Nadavala</b>	[1] Ton Duc Thang Univ, Dept Management Sci & Technol Dev, Ho Chi Minh City,	<b>Organic Electronics</b>	May 2018	<b>3.680 Q-1</b>	Deanship of Scientific Research, Research

		<p><b>Siva [4]</b></p> <p>Roy, Subhasis [3]</p>	<p>Vietnam</p> <p>[2] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam</p> <p>[3] Univ Calcutta, Dept Chem Engn, Rajabazar Sci Coll, Kolkata 700009, India</p> <p><b>[4] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p>				Center at the College of Engineering, King Saud University
<b>39</b>	FexCo1-x-doped titanium oxide nanotubes as effective photocatalysts for hydrogen extraction from ammonium phosphate	<p>Barakat, Nasser A. M. [1,2]</p> <p>Zaki, A. H. [3]</p> <p>Ahmed, Enas [4]</p> <p>Farghali, A. A. [3]</p> <p><b>Al-Mubaddel, Fahad S. [5]</b></p>	<p>[1] Chonbuk Natl Univ, Organ Mat &amp; Fiber Engn Dept, Jeonju 561756, South Korea</p> <p>[2] Menia Univ, Dept Chem Engn, El Minia, Egypt</p> <p>[3] Beni Suef Univ, Fac Postgrad Studies</p>	<b>International Journal Of Hydrogen Energy</b>	April 2018	<b>4.229 Q-2</b>	International Scientific Collaboration Program ISCP at King Saud University  ISCP-002

			<p>Adv Sci, Mat Sci &amp; Nanotechnol Dept, Bani Suwayf, Egypt</p> <p>[4] Beni Suef Univ, Fac Postgrad Studies Adv Sci, Renewable Energy Sci &amp; Engr Dept, Bani Suwayf, Egypt</p> <p><b>[5] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
<b>40</b>	New electrooxidation characteristic for Ni-based electrodes for wide application in methanol fuel cells	<p>Barakat, Nasser A. M. [1,2]</p> <p>Yassin, Mohamed A. [1]</p> <p><b>Al-Mubaddel, Fahad S. [3]</b></p> <p>Amen, Mohamed T. [1]</p>	<p>[1] Chonbuk Natl Univ, Organ Mat &amp; Fiber Engr Dept, Jeonju 561756, South Korea</p> <p>[2] Menia Univ, Fac Engr, Chem Engr Dept, Al Minya, Egypt</p> <p><b>[3] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421,</b></p>	<b>Applied Catalysis A-General</b>	April 2018	<b>4.521 Q-1</b>	<p>International Scientific Collaboration Program ISCP at King Saud University</p> <p>ISCP-002</p>

			<b>Saudi Arabia</b>				
<b>41</b>	Deep eutectic solvents: designer fluids for chemical processes	Wazeer, Irfan [2] <b>Hayyan, Maan [1,3]</b> Hadj-Kali, Mohamed K. [2]	[1] Sohar Univ, Fac Engn, Dept Chem Engn, POB 44, Sohar 311, Oman  [2] <b>King Saud Univ, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Sohar Univ, Fac Engn, Dept Chem Engn, Kuala Lumpur, Sohar, Oman	<b>Journal Of Chemical Technology And Biotechnology</b>	April 2018	<b>2.587 Q-2</b>	<b>KSU RGP-VPP- 108</b>
<b>42</b>	Hydrogen-enriched natural gas as a domestic fuel: an analysis based on flash-back and blow-off limits for domestic natural gas appliances within the UK	Jones, Daniel R. [1] <b>Al-Masry, Waheed A. [2]</b> Dunnill, Charles W. [1]	[1] Swansea Univ, Energy Safety Res Inst, Bay Campus, Swansea SA1 8EN, W Glam, Wales  [2] <b>King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b>	<b>Sustainable Energy &amp; Fuels</b>	April 2018	<b>0.804 Q-4</b>	King Saud University & Welsh Government Ser Cymru Programme
<b>43</b>	Reaction kinetics of ethane partial oxidation to acetic acid	Al-Mayman, Sulaiman I. [1]	[1] King Abdul Aziz City Sci &	<b>Applied Petrochemical</b>	April 2018	<b>Newly Included</b>	King Abdul Aziz City for

		<p>Soliman, Moustafa A. [2]</p> <p><b>Al-Awadi, Abdulrahman S. [3]</b></p> <p><b>Al-Zeghayer, Yousef S. [3,4]</b></p>	<p>Technol, POB 6086, Riyadh 11442, Saudi Arabia</p> <p>[2] British Univ Egypt, Dept Chem Engn, POB 43, Cairo 11837, Egypt</p> <p><b>[3] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p><b>[4] King Saud Univ, POB 800, Riyadh 11421, Saudi Arabia</b></p>	<b>Research</b>		<b>ISI Journal</b>	Science and Technology (KACST) AR-29-256
<b>44</b>	The Effect of Silane Treated Fibre Loading on Mechanical Properties of Pineapple Leaf/Kenaf Fibre Filler Phenolic Composites	<p>Asim, M. [1]</p> <p><b>Jawaid, M. [1,2]</b></p> <p>Abdan, K (Abdan, K. [3]</p> <p>Ishak, M. R. [4]</p>	<p>[1] Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia</p> <p><b>[2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi</b></p>	<b>Journal Of Polymers And The Environment</b>	April 2018	<b>1.971 Q-3</b>	Universiti Putra Malaysia



			<p><b>Arabia</b></p> <p>[3] Univ Putra Malaysia, Dept Biol &amp; Agr Engn, Fac Engn, Serdang 43400, Selangor, Malaysia</p> <p>[4] Univ Putra Malaysia, Dept Aerosp Engn, Fac Engn, Serdang 43400, Selangor, Malaysia</p>				
45	Highly Sensitive Enzyme-Less Glucose Biosensor Based on alpha-Fe <sub>2</sub> O <sub>3</sub> Nanoparticles	<p>Umar, Ahmad [1,2]</p> <p>Singh, Kulvinder [3]</p> <p>Mehta, S. K. [4]</p> <p><b>Fouad, H. [5,6]</b></p> <p><b>Alothman, Othman Y. [7]</b></p>	<p>[1] Najran Univ, PCSED, Najran 11001, Saudi Arabia</p> <p>[2] Najran Univ, Coll Arts &amp; Sci, Dept Chem, Najran 11001, Saudi Arabia</p> <p>[3] Maharaja Agrasen Univ, Sch Basic &amp; Appl Sci, Dept Chem, Baddi 174103, India</p> <p>[4] Panjab Univ,</p>	<b>Nanoscience And Nanotechnology Letters</b>	March 2018	<b>2.917 Q-3</b>	KSU RG-1435-052

			<p>Dept Chem, Chandigarh 160014, India</p> <p><b>[5] King Saud Univ, Dept Appl Sci Med, Community Coll, Riyadh 11437, Saudi Arabia</b></p> <p>[6] Helwan Univ, Dept Biomed Engn, Fac Engn, Helwan 11792, Egypt</p> <p><b>[7] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia</b></p>				
<b>46</b>	Liquid-Liquid Equilibria for Binary Azeotrope Mixtures of Benzene and Alcohols Using Choline Chloride-Based Deep Eutectic Solvents	<p><b>Wazeer, Irfan [1]</b> Hizaddin, Haneef F. [2,3] <b>El Blidi, Lahssen [1]</b> <b>Ali, Emad [1]</b> Hashim, Mohd. Ali [2,3] <b>Hadj-Kali,</b></p>	<p><b>[1] King Saud Univ, Coll Engn, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Univ Malaya, Fac Engn, Dept Chem Engn, Kuala Lumpur 50603, Malaysia</p>	<b>Journal Of Chemical And Engineering Data</b>	March 2018	<b>2.196 Q-2</b>	University of Malaya under the HIR & KSU, RG-1438-073

		<b>Mohamed K. [1]</b>	[3] Univ Malaya, Ctr Ion Liquids UMCiL, Kuala Lumpur 50603, Malaysia				
<b>47</b>	Removal of heavy metal ions using a carboxylated graphene oxide-incorporated polyphenylsulfone nanofiltration membrane	<b>Shukla, Arun Kumar [1]</b> <b>Alam, Javed [1]</b> <b>Alhoshan, Mansour [1,2]</b> <b>Dass, Lawrence Arockiasamy [1]</b> <b>Ali, Fekri Abdulraqeb Ahmed [2]</b> <b>Muthumareeswaran, M. R. [1]</b>  Mishra, Umesh [3] Ansari, Mohammad Azam [4]	<b>[1] King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia</b>  <b>[2] King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Natl Inst Technol, Dept Civil Engn, Agartala, Tripura W, India  [4] Imam Abdulrahman Bin Faisal Univ, Inst Res & Med Consultat, Dept Epidem Dis Res, Dammam, Saudi	<b>Environmental Science-Water Research &amp; Technology</b>	March 2018	<b>3.649 Q-2</b>	King Abdullah Institute for Nanotechnology, Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia

			Arabia				
48	Hydrogen production via catalytic methane decomposition over alumina supported iron catalyst	<p><b>Fakeeha, Anis H. [1]</b></p> <p><b>Ibrahim, Ahmed A. [1]</b></p> <p><b>Khan, Wasim U. [1]</b></p> <p>Seshan, K. [2]</p> <p>Al Otaibi, Raja L. [3]</p> <p>Al-Fatesh, Ahmed S. [1]</p>	<p><b>[1] King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Univ Twente, POB 217, NL-7500 AE Enschede, Netherlands</p> <p>[3] King Abdulaziz City Sci &amp; Technol, Riyadh, Saudi Arabia</p>	<b>Arabian Journal Of Chemistry</b>	March 2018	<b>2.969 Q-2</b>	King Abdulaziz City for Science and Technology (KACST) AT-34-4
49	A novel use of cellulose based filter paper containing silver nanoparticles for its potential application as wound dressing agent	<p>Haider, Adnan [1,2]</p> <p><b>Haider, Sajjad [3]</b></p> <p>Kang, Inn-Kyu [4]</p> <p>Kumar, Anuj [2]</p> <p>Kummara, Madhusudana Rao [2]</p> <p>Kamal, Tahseen [5]</p> <p>Han, Sung Soo</p>	<p>[1] Kohat Univ Sci &amp; Technol, Dept Chem, Kohat, Pakistan</p> <p>[2] Yeungnam Univ, Dept Nano Med &amp; Polymer Mat, Coll Engn, 280 Daehak Ro, Gyongsan 712749, South Korea</p> <p><b>[3] King Saud</b></p>	<b>International Journal Of Biological Macromolecules</b>	March 2018	<b>3.909 Q-2</b>	Yeungnam University Research Grant

		[2,6]	<p><b>Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[4] Kyungpook Natl Univ, Dept Polymer Sci &amp; Engn, 80 Daehak Ro, Daegu 702701, South Korea</p> <p>[5] King Abdulaziz Univ, Dept Chem, Fac Sci, POB 80203, Jeddah 21589, Saudi Arabia</p> <p>[6] Yeungnam Univ, Sch Chem Engn, 280 Daehak Ro, Gyongsan 712749, South Korea</p>				
<b>50</b>	Study of the antimicrobial activity of cyclic cation-based ionic liquids via experimental and group contribution QSAR model	Ben Ghanem, Ouahid [1] Shah, Syed Nasir [2] Leveque, Jean-Marc [3]	[1] Univ Teknol PETRONAS, Fac Chem Engn, Tronoh 31750, Perak, Malaysia  [2] COMSATS Inst Informat	<b>Chemosphere</b>	March 2018	<b>4.427 Q-1</b>	YAYASAN UTP Project & KSU RGP-303

		<p>Mutalib, M. I. Abdul [1]</p> <p><b>El-Harbawi, Mohamad [4]</b></p> <p>Khan, Amir Sada [5,6]</p> <p>Alnarabiji, Mohamad Sahban [1]</p> <p>Al-Absi, Hamada R. H. [7]</p> <p>Ullah, Zahoor [8,9]</p>	<p>Technol, Dept Chem Engn, Lahore, Pakistan</p> <p>[3] Univ Savoie Mont Blanc, LCME, SCeM, F-73000 Chambéry, France</p> <p><b>[4] King Saud Univ, Chem Engn Dept, Riyadh 11421, Saudi Arabia</b></p> <p>[5] Univ Teknol PETRONAS, Dept Chem Engn, Ctr Res Ion Liquids CORIL, Tronoh 31750, Perak, Malaysia</p> <p>[6] Univ Sci &amp; Technol, Dept Chem, Bannu 28100, Khyber Pakhtunk, Pakistan</p> <p>[7] Swinburne Univ Technol, Fac Engn Comp &amp; Sci, Sarawak Campus, Jalan</p>				
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			<p>Simpang Tiga, Kuching 93350, Sarawak, Malaysia</p> <p>[8] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[9] Ton Duc Thang Univ, Fac Appl Sci, Ho Chi Minh City, Vietnam</p>				
<b>51</b>	Role of Nd-Ni on structural, spectral and dielectric properties of strontium-barium based nano-sized X-type ferrites	<p>Lodhi, Maria Yousaf [1]</p> <p>Khan, Muhammad Azhar [1]</p> <p>Akhtar, Majid Niaz [2]</p> <p>Warsi, Muhammad Farooq [3]</p> <p><b>Mahmood, Asif [4]</b></p> <p>Ramay, Shahid M. [5]</p>	<p>[1] Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p>[2] MNSUET, Dept Basic Sci &amp; Humanities, Multan 60000, Pakistan</p> <p>[3] Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p><b>[4] King Saud</b></p>	<b>Ceramics International</b>	Feb 2018	<b>3.057 Q-1</b>	<b>KSU RGP-311</b>

			<p><b>Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b></p> <p>[5] King Saud Univ, Dept Phys &amp; Astron, Coll Sci, Riyadh, Saudi Arabia</p>				
<b>52</b>	Structural and dielectric properties of copper-based spinel ferrites	<p>Farid, Hafiz Muhammad Tahir [1] Ahmad, Ishtiaq [1] Ali, Irshad [1] <b>Mahmood, Asif [2]</b> <b>Ramay, Shahid M. [3]</b></p>	<p>[1] Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan</p> <p><b>[2] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b></p> <p><b>[3] King Saud Univ, Dept Phys &amp; Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia</b></p>	<b>European Physical Journal Plus</b>	Feb 2018	<b>2.240 Q-2</b>	KSU RGP-311
<b>53</b>	An Efficient Approach to Address Issues of Graphene Nanoplatelets (GNPs) Incorporation in Aluminium Powders and Their Compaction Behaviour	<p>Baig, Zeeshan [1] Mamat, Othman [1] Mustapha, Mazli</p>	<p>[1] Univ Teknol PETRONAS, Dept Mech Engn, Bandar Seri Iskandar 32610,</p>	<b>Metals</b>	Feb 2018	<b>1.272 Q-3</b>	KSU RG-1437-029



		<p>[1] Mumtaz, Asad [2] <b>Sarfraz, Mansoor</b> [3] <b>Haider, Sajjad</b> [4]</p>	<p>Perak, Malaysia [2] Univ Teknol PETRONAS, Dept Fundamental &amp; Appl Sci, Bandar Seri Iskandar 32610, Perak, Malaysia  [3] <b>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>  [4] <b>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</b></p>				
<b>54</b>	Performance of Nanoporous Carbon Membrane for Hydrogen Recovery	<p><b>Al-Rabiah, Abdulrahman A.</b> [1] <b>Ajbar, Abdelhamid M.</b> [1]  Soliman, Moustafa A. [2]  Abdelaziz, Omar Y.</p>	<p>[1] <b>King Saud Univ, Chem Engn Dept, Riyadh 11421, Saudi Arabia</b>  [2] British Univ Egypt, Dept Chem Engn, Cairo 11837, Egypt</p>	<b>Journal Of The Chemical Society Of Pakistan</b>	Feb 2018	<b>0.280 Q-4</b>	Research Center, College of Engineering at King Saud University, Riyadh, Saudi Arabia

		[3,4]	[3] Cairo Univ, Dept Chem Engn, Giza 12613, Egypt  [4] Lund Univ, Dept Chem Engn, POB 124, SE-22100 Lund, Sweden				
55	Partial Oxidation of Ethane to Acetic Acid using a Metallic Pd Promoted MoVNb Catalyst Supported on Titania	Al-Mayman, Sulaiman I. [1] <b>Al-Awadi, Abdulrahman S. [2]</b> <b>Al-Zeghayer, Yousef A. [2,3]</b> Soliman, Moustafa A. [4]	[1] King Abdul Aziz City Sci & Technol, POB 6086, Riyadh 11442, Saudi Arabia  [2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  [3] King Saud Univ, Ind Catalysts Chair, POB 800, Riyadh 11421, Saudi Arabia  [4] British Univ Egypt, Fac Engn, Chem Engn Dept, Cairo, Egypt	<b>Journal Of The Chemical Society Of Pakistan</b>	Feb 2018	<b>0.280 Q-4</b>	King AbdulAziz City for Science and Technology (KACST) AR-29-256

56	Effects of Mn Ion Implantation on XPS Spectroscopy of GaN Thin Films	Majid, Abdul [1,2] Ahmad, Naeem [3] Rizwan, Muhammad [1] <b>Khan, Salah Ud-Din [4]</b> <b>Ali, Fekri Abdulraqueb Ahmed [5]</b> Zhu, Jianjun [6]	[1] Univ Gujrat, Dept Phys, Gujrat, Pakistan [2] Univ Gujrat, Off Res Innovat & Commercializat, Gujrat, Pakistan [3] Int Islamic Univ, Dept Phys, Spintron Lab, FBAS, Islamabad, Pakistan <b>[4] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</b> <b>[5] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b> [6] Chinese Acad Sci, Inst Semicond, State Key Lab Integrated Optoelect, POB 912, Beijing 100083, Peoples R China	<b>Journal Of Electronic Materials</b>	Feb 2018	<b>1.566 Q-3</b>	KSU RGP-255
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57	Influence of tagging thiophene bridge unit on optical and electrochemical properties of coumarin based dyes for DSSCs with theoretical insight	<p>Dhar, Abhishek [1]  <b>Kumar, Nadavala Siva [2]</b>  Paul, Pabitra Kumar [3]  Roy, Subhasis [4]  Vekariya, Rohit L. [5,6]</p>	<p>[1] Univ Calcutta, Dept Chem Technol, 92 Acharya Prafulla Chandra Rd, Kolkata 700009, India</p> <p><b>[2] King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Jadavpur Univ, Dept Phys, Kolkata 700032, India</p> <p>[4] Univ Calcutta, Rajabazar Sci Coll, Dept Chem Engn, Kolkata 700009, India</p> <p>[5] Ton Duc Thang Univ, Dept Management Sci &amp; Technol Dev, Ho Chi Minh City, Vietnam</p> <p>[6] Ton Duc Thang Univ, Fac Sci Appl, Ho Chi Minh City,</p>	<b>Organic Electronics</b>	Feb 2018	<b>3.680 Q-1</b>	Ton Duc Thang University (TDTU-DEMASTE D)
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			Vietnam				
58	Systematic study of the elastic, optoelectronic, and thermoelectric behavior of MRh <sub>2</sub> O <sub>4</sub> (M = Zn, Cd) based on first principles calculations	Abbas, Syed Adeel [1] Rashid, Muhammad [2] Faridi, Muhammad Ayub [1] Saddique, Muhammad Bilal [3] <b>Mahmood, Asif [4]</b> <b>Ramay, Shahid Muhammad [5]</b>	[1] Univ Punjab, Ctr High Energy Phys, Lahore 54500, Pakistan  [2] COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan  [3] Univ Management & Technol, Dept Phys, Sch Sci, Lahore 54590, Pakistan  [4] <b>King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia</b>  [5] <b>King Saud Univ, Coll Sci, Dept Phys &amp; Astron, Riyadh, Saudi Arabia</b>	<b>Journal Of Physics And Chemistry Of Solids</b>	Feb 2018	<b>2.207 Q-2</b>	KSU RGP-VPP-311
59	Structural and magnetic properties of praseodymium substituted barium based spinel ferrites	Shah, Muhammad Shakil [1] Ali, Khuram [2]	[1] Bahauddin Zakariya Univ, Inst Chem Sci, Div Analyt Chem,	<b>Materials Research Bulletin</b>	Feb 2018	<b>2.873 Q-2</b>	KSU RGP-VPP-311

		<p>Ali, Irshad [3]</p> <p><b>Mahmood, Asif [4]</b></p> <p><b>Ramay, Shahid M. [5]</b></p> <p>Farid, Muhammad</p> <p>Tahir [3]</p>	<p>Multan 60800, Pakistan</p> <p>[2] Univ Agr Faisalabad, Dept Phys, Nanooptoelect Res Lab, Faisalabad 38040, Pakistan</p> <p>[3] Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan</p> <p><b>[4] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b></p> <p><b>[5] King Saud Univ, Dept Phys &amp; Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia</b></p>				
<b>60</b>	<p>Nitrogen and carbon functionalized cobalt phosphide as efficient non-precious electrocatalysts for oxygen reduction reaction electrocatalysis in alkaline</p>	<p>Khalafallah, Diab [1]</p> <p>Alothman, Othman Y. [2,3]</p>	<p>[1] Aswan Univ, Fac Energy Engn, Mech Design &amp; Mat Dept, POB 81521, Aswan,</p>	<b>Journal Of Electroanalytical Chemistry</b>	Jan 2018	<b>3.235 Q-1</b>	KSU RGP-133

	environment	<p><b>Fouad, H. [4,5]</b></p> <p>Khalil, Khalil Abdelrazek [1,6]</p>	<p>Egypt</p> <p>[2] King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[3] Saudi Elect Univ, Deanship Grad Studies, Riyadh 11673, Saudi Arabia</p> <p><b>[4] King Saud Univ, Riyadh Community Coll, Dept Appl Sci Med, Riyadh 11437, Saudi Arabia</b></p> <p>[5] Helwan Univ, Fac Engn, Dept Biomed Engn, POB 11792, Helwan, Egypt</p> <p>[6] Univ Sharjah, Coll Engn, Dept Mech Engn, POB 27272, Sharjah, U Arab Emirates</p>				
<b>61</b>	Spectrophotometric methods	Ali, Nauman [1]	[1] Univ	<b>Spectrochimica</b>	Jan 2018	<b>2.880</b>	KSU

	for the determination of urea in real samples using silver nanoparticles by standard addition and 2nd order derivative methods	Ismail, Muhammad [1] Khan, Adnan [1] Khan, Hamayun [2] <b>Haider, Sajjad [3]</b> Kamal, Tahseen [4]	Peshawar, Inst Chem Sci, Peshawar 25120, Pakistan  [2] Islamia Coll Univ, Dept Chem, Peshawar 25120, Pakistan  <b>[3] King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia</b>  [4] King Abdulaziz Univ, Dept Chem, Fac Sci, Jeddah 21589, Saudi Arabia	<b>Acta Part A-Molecular And Biomolecular Spectroscopy</b>		<b>Q-1</b>	RG-1437-029
<b>62</b>	An Insight on the Swelling, Viscoelastic, Electrical, and Drug Release Properties of Gelatin-Carboxymethyl Chitosan Hydrogels	Pandey, Preeti Madhuri [1] Banerjee, Indranil [1] <b>Anis, Arfat [2]</b> Pal, Kunal [1]	[1] Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India  <b>[2] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b>	<b>Polymer-Plastics Technology And Engineering</b>	Jan 2018	<b>1.655 Q-3</b>	Science and Engineering Research Board (SERB), Govt. of India
<b>63</b>	Biosorption of 2,4,6-trichlorophenol from Aqueous Medium Using Agro-waste:	<b>Kumar, Nadavala Siva [1]</b> <b>Asif, Mohammad</b>	<b>[1] King Saud Univ, Coll Engn, Dept</b>	<b>Acta Chimica Slovenica</b>	Jan 2018	<b>1.104 Q-3</b>	KSU RGP-1437-003



	Pine (Pinus densiflora Sieb) Bark Powder	[1] <b>Al-Hazzaa, Mansour I. [1]</b> <b>Ibrahim, Ahmed A. [1]</b>	<b>Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</b>				
<b>64</b>	Effect of Hybridization on the Mechanical Properties of Pineapple Leaf Fiber/Kenaf Phenolic Hybrid Composites	Asim, M. [1] <b>Jawaid, M. [1,4]</b> Abdan, K. [2] Ishak, M. R. [3] Alothman, O. Y. [4,5]	[1] Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia  [2] Univ Putra Malaysia, Fac Engn, Dept Biol & Agr Engn, Serdang 43400, Selangor, Malaysia  [3] Univ Putra Malaysia, Fac Engn, Dept Aerosp Engn, Serdang 43400, Selangor, Malaysia  <b>[4] King Saud Univ, Coll</b>	<b>Journal Of Renewable Materials</b>	Jan 2018	<b>0.986 Q-4</b>	International Scientific Partnership Program ISPP at King Saud University & Universiti Putra Malaysia through Putra grant

			<p><b>Engn, Dept Chem Engn, Riyadh, Saudi Arabia</b></p> <p>[5] Saudi Elect Univ, Grad Studies, Riyadh 11673, Saudi Arabia</p>				
65	Understanding the Effect of Tamarind Gum Proportion on the Properties of Tamarind Gum-Based Hydroethanolic Physical Hydrogels	<p>Paul, Suprio R. [1]</p> <p>Nayak, Suraj K. [2]</p> <p>Yogalakshmi, Yamini [2]</p> <p>Singh, Vinay K. [2]</p> <p>Rath, Archana [2]</p> <p>Banerjee, Indranil [2]</p> <p><b>Anis, Arfat [3]</b></p> <p>Pal, Kunal [1]</p>	<p>[1] Amity Univ, Amity Inst Biotechnol, Noida 201313, Ncr, India</p> <p>[2] Natl Inst Technol, Dept Biotechnol &amp; Med Engn, Rourkela, Odisha, India</p> <p><b>[3] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b></p>	<b>Polymer-Plastics Technology And Engineering</b>	Jan 2018	<b>1.655 Q-3</b>	NA
66	Assessing the Thermal Efficiency of Brackish Water Desalination by Membrane Distillation Using Exergy Analysis	<p><b>Ali, Emad [1]</b></p> <p><b>Orfi, Jamel [2]</b></p> <p><b>Najib, Abdullah [2]</b></p>	<p><b>[1] King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</b></p> <p><b>[2] King Saud Univ, Dept Mech Engn, Riyadh,</b></p>	<b>Arabian Journal For Science And Engineering</b>	May 2018	<b>1.092 Q-3</b>	KSU, DSR, College of Engineering Research Center

			<b>Saudi Arabia</b>				
<b>67</b>	Hierarchical Co <sub>3</sub> O <sub>4</sub> decorated PPy nanocasting core-shell nanospheres as a high performance electrocatalysts for methanol oxidation	Khalafallah, Diab [1] <b>Alothman, Othman Y. [2,3]</b> <b>Fouad, H. [4,5]</b>  Khalil, Khalil Abdelrazelz [1,6]	[1] Aswan Univ, Fac Energy Engn, Mech Design & Mat Dept, POB 81521, Aswan, Egypt  [2] <b>King Saud Univ, Coll Engn, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Saudi Elect Univ, Deanship Grad Studies, Riyadh 11673, Saudi Arabia  [4] <b>King Saud Univ, Riyadh Community Coll, Dept Appl Med Sci, Riyadh 11437, Saudi Arabia</b>  [5] Helwan Univ, Fac Engn, Biomed Engn Dept, POB 11792, Helwan 11792, Egypt	<b>International Journal Of Hydrogen Energy</b>	Feb 2018	<b>4.229 Q-2</b>	KSU RGP-133

			[6] Univ Sharjah, Coll Engn, Dept Mech Engn, POB 27272, Sharjah, U Arab Emirates				
68	Evaluation of Co-Ni/Sc-SBA-15 as a novel coke resistant catalyst for syngas production via CO <sub>2</sub> reforming of methane	<p><b>Al-Fatesh, Ahmed Sadeq [1]</b></p> <p><b>Arafat, Yasir [1]</b></p> <p><b>Ibrahim, Ahmed Aidid [1]</b></p> <p>Atia, Hanan [2]</p> <p><b>Fakeeha, Anis Hamza [1]</b></p> <p>Armbruster, Udo [2]</p> <p><b>Abasaeed, Ahmed Elhag [1]</b></p> <p>Frusteri, Francesco [3]</p>	<p><b>[1] King Saud Univ, Coll Engn, Chem Engn Dept, POB 11421, Riyadh, Saudi Arabia</b></p> <p>[2] Leibniz Inst Katalyse, Albert Einstein Str 29A, POB 18059, Rostock, Germany</p> <p>[3] Inst Adv Technol Energy N Giordano, Via S Lucia Contesse 5, I-98126 Messina, ME, Italy</p>	<b>Applied Catalysis A-General</b>	Oct 2018	<b>4.521 Q-1</b>	KSU RG-1435-078
69	In Situ Regeneration of Alumina-Supported Cobalt-Iron Catalysts for Hydrogen Production by Catalytic Methane Decomposition	<p><b>Fakeeha, Anis H. [1]</b></p> <p>Barama, Siham [2]</p> <p><b>Ibrahim, Ahmed A. [1]</b></p> <p>Al-Otaibi, Raja-Lafi [3]</p>	<p><b>[1] King Saud Univ, Chem Engn Dept, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] USTHB, LMCCCO, BP 32, Algiers 16111,</p>	<b>Catalysts</b>	Nov 2018	<b>3.465 Q-2</b>	KSU RG-1435-078

		Barama, Akila [2] <b>Abasaeed, Ahmed E. [1]</b> <b>Al-Fatesh, Ahmed S. [1]</b>	Algeria  [3] King Abdulaziz City Sci & Technol, POB 6086, Riyadh 11421, Saudi Arabia				
<b>70</b>	Decomposition of methane over alumina supported Fe and Ni-Fe bimetallic catalyst: Effect of preparation procedure and calcination temperature	<b>Al-Fatesh, A. S. [1]</b> <b>Fakeeha, A. H. [1]</b> <b>Ibrahim, A. A. [1]</b> <b>Khan, W. U. [1]</b>  Atia, H. [2] Eckelt, R. [2] Seshan, K. [3] Chowdhury, B. [4]	<b>[1] King Saud Univ, Coll Engrn, Chem Engrn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Leibniz Inst Catalysis, Rostock, Germany  [3] Univ Twente, POB 217, NL-7500 AE Enschede, Netherlands  [4] Indian Sch Mines, Dept Appl Chem, Dhanbad, Bihar, India	<b>Journal Of Saudi Chemical Society</b>	Feb 2018	<b>2.456 Q-2</b>	KSU RG-1436-119
<b>71</b>	Rh promoted and ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> supported Ni/Co based catalysts: High activity for CO <sub>2</sub> reforming, steam-CO <sub>2</sub> reforming and oxy-	<b>Al-Fatesh, Ahmed [1]</b>  Singh, Sunit Kumar [2]	<b>[1] King Saud Univ, Coll Engrn, Chem Engrn Dept, POB 800, Riyadh 11421,</b>	<b>International Journal Of Hydrogen Energy</b>	July 2018	<b>4.229 Q-2</b>	International Scientific Partnership Program ISPP at King

	CO2 reforming of CH4	<p>Kanade, G. S. [2]</p> <p>Atia, Hanan [3] ;</p> <p><b>Fakeeha, Anis H. [1]</b></p> <p><b>Ibrahim, Ahmed A. [1]</b></p> <p>El-Toni, Ahmed Mohamed [4]</p> <p>Labhasetwar, Nitin K. [2]</p>	<p><b>Saudi Arabia</b></p> <p>[2] CSIR Natl Environm Engn &amp; Res Inst, Energy &amp; Resource Management Div, Nagpur 440010, Maharashtra, India</p> <p>[3] Leibniz Inst Catalysis, Rostock, Germany</p> <p><b>[4] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11421, Saudi Arabia</b></p>				Saud University0057
72	Bi-metallic catalysts of mesoporous Al2O3 supported on Fe, Ni and Mn for methane decomposition: Effect of activation temperature	<p><b>Fakeeha, Anis H. [1]</b></p> <p><b>Al-Fatesh, Ahmed S. [1]</b></p> <p>Chowdhury, Biswajit [2]</p> <p><b>Ibrahim, Ahmed A. [1]</b></p> <p><b>Khan, Wasim U. [1]</b></p> <p>Hassan, Shahid [2]</p>	<p><b>[1] King Saud Univ, Coll Engn, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Indian Sch Mines, Dept Appl Chem, Dhanbad, Bihar, India</p>	<b>Chinese Journal Of Chemical Engineering</b>	Sep 2018	<b>0.920 Q-3</b>	KSU RG-1436-119

		<b>Sasudeen, Kasim</b> [1] <b>Abasaeed, Ahmed Elhag</b> [1]					
<b>73</b>	Influence of promoted 5%Ni/MCM-41 catalysts on hydrogen yield in CO <sub>2</sub> reforming of CH <sub>4</sub>	<b>Ibrahim, Ahmed A.</b> [1] <b>Al-Fatesh, Ahmed A.</b> [1] Atia, Hanan [2] <b>Fakeeha, Anis H.</b> [1] <b>Kasim, Samsudeen O.</b> [1] <b>Abasaeed, Ahmed E.</b> [1]	<b>[1] King Saud Univ, Coll Engr, Chem Engr Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Leibniz Inst Katalyse, Albert Einstein Str 29A, D-18059 Rostock, Germany	<b>International Journal of Energy Research</b>	Oct 2018	<b>3.009</b> <b>Q-2</b>	KSU (RG-1435-078) RG-1435-078
<b>74</b>	Gallium-Promoted Ni Catalyst Supported on MCM-41 for Dry Reforming of Methane	<b>Al-Fatesh, Ahmed S.</b> [1] <b>Ibrahim, Ahmed A.</b> [1] Abu-Dahrieh, Jehad K. [2] <b>Al-Awadi, Abdulrahman S.</b> [1] <b>El-Toni, Ahmed Mohamed</b> [3]	<b>[1] King Saud Univ, Coll Engr, Chem Engr Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Queens Univ Belfast, Sch Chem & Chem Engr, Belfast BT9 5AG, Antrim, North Ireland  <b>[3] King Saud</b>	<b>Catalysts</b>	June 2018	<b>3.465</b> <b>Q-2</b>	KSU RG-1436-119

		<b>Fakeeha, Anis H. [1]</b> <b>Abasaeed, Ahmed E. [1]</b>	<b>Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia</b>				
<b>75</b>	Iridium Promoted Ni-Co/Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Catalyst for Dry Reforming of Methane	<b>Fakeeha, Anis Hamza [1]</b> <b>Ibrahim, Ahmed Aidid [1]</b> <b>Arafat, Yasir [1]</b> Atia, Hanan [2] <b>Abasaeed, Ahmed Elhag [1]</b> <b>Al-Fatesh, Ahmed Sadeq [1]</b>	<b>[1] King Saud Univ, Coll Engn, Chem Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Leibniz Inst Catalysis, Rostock, Germany	<b>Canadian Journal of Chemical Engineering</b>	April 2018	<b>1.265 Q-3</b>	KSU RG-1436-119
<b>76</b>	Mechanochemical synthesis of melamine doped TiO <sub>2</sub> nanoparticles for dye sensitized solar cells application	Kotta, Ashique [1,11] Ansari, Sajid Ali [2,3] Parveen, Nazish [2,4] <b>Fouad, H. [5,6]</b> Alothman, Othman Y. [7,8] Khaled, Usama [9,10]	[1] Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India  [2] Yeungnam Univ, Sch Chem Engn, Gyongsan 712749, Gyeongbuk, South Korea  [3] Dongguk	<b>Journal of Materials Science-Materials in Electronics</b>	June 2018	<b>2.324 Q-2</b>	KSU RGP-133



		<p>Seo, H. K. [11]</p> <p>Ansari, S. G. [1]</p> <p>Ansari, Z. A. [1]</p>	<p>Univ, Dept Energy &amp; Mat Engr, Seoul 100715, South Korea</p> <p>[4] Dongguk Univ Seoul, Dept Chem &amp; Biochem Engr, Flexible Display &amp; Printed Elect Lab, Seoul 04620, South Korea</p> <p><b>[5] King Saud Univ, Riyadh Community Coll, Dept Appl Sci Med, Riyadh 11437, Saudi Arabia</b></p> <p>[6] Helwan Univ, Fac Engr, Biomed Engr Dept, Helwan 11792, Egypt</p> <p>[7] King Saud Univ, Chem Engr Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[9] King Saud</p>				
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			Univ, Coll Engn, Elect Engn Dept, Riyadh 11437, Saudi Arabia  [11] Chonbuk Natl Univ, Sch Chem Engn, Jeonju 54896, South Korea				
77	Bi-metallic catalysts of mesoporous Al <sub>2</sub> O <sub>3</sub> supported on Fe, Ni and Mn for methane decomposition: Effect of activation temperature	<b>Anis Fakeeha A. [1]</b> <b>S. Al-Fatesh [1]</b> Biswajit Chowdhary [2] <b>Ahmaed A Ibrahim [1]</b> <b>Wasimullah Khan [1]</b> <b>Shahid Hassan [1]</b> <b>Kasin Sasudeen [1]</b> <b>Ahmed Elhag Abasaed [1]</b>	<b>[1] Chemical Engineering Department, College of Engineering, King Saud University, P.O. Box 800, Riyadh 11421, Saudi Arabia</b>  [2] Department of Applied Chemistry, Indian School of Mines, Dhanbad, India	<b>Chinese Journal of Chemical Engineering</b>	Sep 2018	<b>1.712 Q-3</b>	N/A
78	Low Temperature CO Oxidation Over a Novel Nano-Structured, Mesoporous CeO <sub>2</sub> Supported Au Catalyst	Valechha, Dolly [1] Megarajan, Suresh Kumar [2] <b>Al-Fatesh, Ahmed</b>	[1] CSIR NEERI, ERM Div, Nehru Marg, Nagpur 440020,	<b>Catalysis Letters</b>	Nov 2018 Online	<b>2.911 Q-2</b>	International Scientific Partnership Program

		<p>[3]  Jiang, Heqing [2]  Labhasetwar, Nitin [1]</p>	<p>Maharashtra, India  [2] Chinese Acad Sci, Qingdao Inst Bioenergy &amp; Bioproc Technol, Qingdao Key Lab Funct Membrane Mat &amp; Membrane Tec, 189 Songling Rd, Qingdao 266101, Peoples R China  [3] King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				ISPP at King Saud University 0057 & CSIR-NEERI KRC
79	Energy efficiency analysis of styrene production by adiabatic ethylbenzene dehydrogenation using exergy analysis and heat integration	<p>Ali, Emad [1]  Hadj-Kali, Mohamed [1]</p>	<p>[1] King Saud Univ, Chem Engn Dept, Riyadh 11421, Saudi Arabia</p>	Polish Journal of Chemical Technology	March 2018	0.550 Q-4	KSU, DSR, College of Engineering Research Center

**Electrical Engineering Department  
&  
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	Hybrid Surface Plasmon Polariton Wave Generation and Modulation by Chiral-Graphene-Metal (CGM) Structure	Yaqoob, M. Z. [1,2] Ghaffar, A [1] <b>Alkanhal, Majeed [3]</b> <b>Rehman, Sajjad Ur [3]</b> <b>Razzaz, Farooq [3]</b>	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  [2] Govt Coll Univ, Dept Phys, Faisalabad, Pakistan  [3] <b>King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia</b>	<b>Scientific Reports</b>	Dec 2018	<b>4.122</b> <b>Q-1</b>	KSU RG-1438-01
2	AC Dielectric Strength of Mineral Oil-Based Fe <sub>3</sub> O <sub>4</sub> and Al <sub>2</sub> O <sub>3</sub> Nanofluids	<b>Khaled, Usama [1,2]</b>  Beroual, Abderrahmane [3]	[1] <b>King Saud Univ, Coll Engr, Dept Elect Engr, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Aswan Univ, Fac Energy Engr, Dept Elect Engr, Aswan 81528, Egypt  [3] Univ Lyon, Ecole Cent Lyon, CNRS, Ampere,UMR 5005, 36 Ave Guy Collongue, F-69134 Ecully, France	<b>Energies</b>	Dec 2018	<b>2.957</b> <b>Q-2</b>	King Saud University , ISPP 47

3	Performance enhancement of an optical high-order QAM channel by adding correlated data to robust neighboring BPSK or QPSK channels	Cao, Yinwen [1] Zou, Kaiheng [1] Liao, Peicheng [1] <b>Almaiman, Ahmed [1,2]</b> Fallahpour, Ahmad [1] Alishahi, Fatemeh [1] Mohajerin-Ariaei, Amirhossein [1] Bao, Changjing [1] Willner, Ari N. [1] Starodubov, Dmitry [1] Tur, Moshe [3] Willner, Alan E. [1]	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA  <b>[2] King Saud Univ, Riyadh 11362, Saudi Arabia</b>  [3] Tel Aviv Univ, Sch Elect Engr, IL-69978 Ramat Aviv, Israel	<b>Optics Letters</b>	Dec 2018	<b>3.589 Q-1</b>	Huawei Technologies
4	Scalable and reconfigurable optical tapped-delay-line for multichannel equalization and correlation using nonlinear wave mixing and a Kerr frequency comb	Willner, Ari N. [1] Liao, Peicheng [1] Zou, Kaiheng [1] Cao, Yinwen [1] Kordts, Arne [2] Karpov, Maxim [2] Pfeiffer, Martin H. P. [2] <b>Almaiman, Ahmed [1,3]</b>	[1] Univ Southern Calif, Dept Elect Engr, Los Angeles, CA 90089 USA  [2] Ecole Polytech Fed Lausanne, Lausanne, Switzerland  <b>[3] King Saud Univ, Riyadh 11451, Saudi Arabia</b>  [4] Tel Aviv Univ, Sch Elect Engr, IL-69978	<b>Optics Letters</b>	Dec 2018	<b>3.589 Q-1</b>	National Science Foundation (NSF)

		Fallahpour, Ahmad [1] Alishahi, Fatemeh [1] Manukyan, Karapet [1] Tur, Moshe [4] Kippenberg, Tobias J. [2] Willner, Alan E. [1]	Ramat Aviv, Israel				
5	Enhanced flatness of 20 GHz channel spacing multiwavelength Brillouin-Raman fiber laser with sub-millimeter air gap	Al-Alimi, A. W. [1] Sarmani, A. R. [2] Al-Mansoori, M. H. [3] <b>Abas, A. F. [4]</b> <b>Alresheedi, T. [4]</b> Mahdi, M. A. [1]	[1] Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Fac Engr, Upm Serdang 43400, Selangor, Malaysia [2] Univ Putra Malaysia, Dept Phys, Fac Sci, Upm Serdang 43400, Selangor, Malaysia [3] Sohar Univ, Elect & Comp Engr, Fac Engr, POB 44, Sohar 311, Oman <b>[4] King Saud Univ, Dept Elect Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Optics Express</b>	Nov 2018	<b>3.356 Q-1</b>	King Saud University, Saudi Arabia International Scientific Partnership Program (ISPP)0106
6	Load Modeling-A Review	<b>Arif, Anmar [1,2]</b>	[1] Iowa State Univ, Dept Elect & Comp	<b>IEEE Transactions</b>	Nov 2018	<b>7.365 Q-1</b>	U.S. Department

		<p>Wang, Zhaoyu [1]</p> <p>Wang, Jianhui [3,4]</p> <p>Mather, Barry [5]</p> <p>Bashualdo, Hugo [6]</p> <p>Zhao, Dongbo [7]</p>	<p>Engn, Ames, IA 50014 USA</p> <p><b>[2] King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia</b></p> <p>[3] Southern Methodist Univ, Dept Elect Engn, Dallas, TX 75275 USA</p> <p>[4] Argonne Natl Lab, Div Energy Syst, 9700 S Cass Ave, Argonne, IL 60439 USA</p> <p>[5] Natl Renewable Energy Lab, Power Syst Engn Ctr, Golden, CO 80401 USA</p> <p>[6] Siemens Power Technol Int, Distribut Planning &amp; Microgrids, Schenectady, NY 12305 USA</p> <p>[7] Argonne Natl Lab, Energy Syst Div, Lemont, IL 60439 USA</p>	<p><b>on Smart Grid</b></p>			<p>of Energy Office of Electricity Delivery and Energy Reliability</p>
7	A compact dual circular patch pattern reconfigurable antenna	<p><b>Abdulkawi, Wazie M. [1]</b></p> <p>Malik, Waqar A. [2]</p> <p>Sheta, Abdel-Fattah A. [1]</p>	<p><b>[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</b></p> <p>[2] Abasyn Univ</p>	<p><b>Microwave and Optical Technology Letters</b></p>	Nov 2018	<p><b>0.948</b></p> <p><b>Q-4</b></p>	<p>Research Centre, College of Engineering,</p>



		Alkanhal, Majeed A. [1]	Islamabad, Dept Elect Engn, Islamabad, Pakistan				King Saud University
8	Magnetization-Dependent Core-Loss Model in a Three-Phase Self-Excited Induction Generator	Al-Senaidi, Saleh H. [1] Alolah, Abdulrahman I. [1] Alkanhal, Majeed A. [1]	[1] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Energies	Nov 2018	2.676 Q-2	DSR through the initiative of DSR (GSR)
9	Numerical Study of the Magnetic Field Effect on Ferromagnetic Fluid Flow and Heat Transfer in a Square Porous Cavity	El-Amin, Mohamed F. [1,2] Khaled, Usama [3,4] Beroual, Abderrahmane [5]	[1] Effat Univ, Coll Engn, Jeddah 21478, Saudi Arabia [3] King Saud Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia [5] Univ Lyon, AMPERE, CNRS, Ecole Cent Lyon, UMR 5005, 36 Ave Guy Collongue, F-69134 Ecully, France	Energies	Nov 2018	2.676 Q-2	International Scientific Partnership Program (ISPP) at King Saud University - 47
10	Nano-Antenna Coupled Infrared Detector Design	Mubarak, Mohamed H. [1] Sidek, Othman [1] Abdel-Rahman, Mohamed R. [2] Mustaffa, Mohd Tafir [1] Kamal, Ahmad Shukri Mustapa [3]	[1] Univ Sains Malaysia, Sch Elect & Elect Engn, George Town 14300, Malaysia [2] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia [3] Univ Sains	Sensors	Nov 2018	2.475 Q-2	Research University Individual (RUI) Universiti Sains Malaysia

		Mukras, Saad M. [4]	Malaysia, Sch Phys, George Town 11800, Malaysia  [4] Qassim Univ, Dept Mech Engn, Buraydah 51452, Saudi Arabia				
<b>11</b>	Experimental utilization of repeated spatial-mode shifting for achieving discrete delays in a free-space recirculating loop	<b>Almaiman, Ahmed [1,2]</b> Zhao, He [1] Cao, Yinwen [1] Xie, Guodong [1] Mohajerin-Ariaei, Amirhossein [1] Alishahi, Fatemeh [1] Liao, Peicheng [1] Bao, Changjing) [1] Fallahpour, Ahmad [1] Shamee, Bishara [1] Akasaka, Youichi [3] Zach, Shlomo [4] Cohen, Nadav [4] Tur, Moshe [4] Willner, Alan E. [1]	[1] Univ Southern Calif, Ming Hsieh Dept Elect Engn, 3740 McClintock Ave, Los Angeles, CA 90007 USA  <b>[2] King Saud Univ, Riyadh, Saudi Arabia</b>  [3] Fujitsu Labs Amer, 2801 Telecom Pkwy, Richardson, TX 75082 USA  [4] Tel Aviv Univ, Sch Elect Engn, IL-6997801 Ramat Aviv, Israel	<b>Optics Letters</b>	Nov 2018	<b>3.589 Q-1</b>	National Science Foundation (NSF)
<b>12</b>	Optimizing Service Restoration in Distribution	<b>Arif, Anmar [1,2]</b>	[1] Iowa State Univ, Dept Elect & Comp	<b>IEEE Transactions</b>	Nov 2018	<b>5.255 Q-1</b>	U.S. Department

	Systems With Uncertain Repair Time and Demand	Ma, Shanshan [1] Wang, Zhaoyu) [1] Wang, Jianhui [3] Ryan, Sarah M. [4] Chen, Chen [5]	Engn, Ames, IA 50011 USA  <b>[2] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia</b>  [3] Southern Methodist Univ, Dept Elect Engn, Dallas, TX 75205 USA  [4] Iowa State Univ, Dept Ind & Mfg Syst Engn, Ames, IA 50010 USA  [5] Argonne Natl Lab, Energy Syst Div, Lemont, IL 60439 USA	<b>on Power Systems</b>			of Energy Office of Electricity Delivery and Energy Reliability
<b>13</b>	Maximum Power Extraction from a Partially Shaded PV System Using an Interleaved Boost Converter	<b>Farh, Hassan M. H. [1,2]</b> Othman, Mohd F. [1] <b>Eltamaly, Ali M. [3,4]</b> <b>Al-Saud, M. S. [2,5]</b>	[1] Univ Teknol Malaysia, Malaysia Japan Int Inst Technol, Kuala Lumpur 54100, Malaysia  <b>[2] King Saud Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Mansoura Univ, Dept Elect Engn, Mansoura 35516, Egypt	<b>Energies</b>	Oct 2018	<b>2.676 Q-2</b>	KSU RG-1439-66

			<p>[4] King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[5] King Saud Univ, Saudi Elect Co Chair Power Syst Reliabil &amp; Secur, Riyadh 11421, Saudi Arabia</p>				
14	The Effect of Electronic Scavenger Additives on the AC Dielectric Strength of Transformer Mineral Oil	<p>Khaled, Usama [1,2]</p> <p>Beroual, Abderrahmane [3]</p>	<p>[1] King Saud Univ, Dept Elect Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[2] Aswan Univ, Fac Energy Engr, Dept Elect Engr, Aswan 81528, Egypt</p> <p>[3] Univ Lyon, Ampere CNRS UMR 5005, Ecole Cent Lyon, 36 Ave Guy Collongue, F-69134 Ecully, France</p>	Energies	Oct 2018	2.676 Q-2	King Saud University, Saudi Arabia (International Scientific Partnership Program, ISPP 47
15	Stable multiwavelength thulium fiber laser assisted by four wave mixing effect	<p>Al-Alimi, A. W. [1]</p> <p>Abu Bakar, M. H. [1]</p> <p>Abas, A. F. [2]</p> <p>Alresheedi, M. T. [2]</p>	<p>[1] Univ Putra Malaysia, Wireless &amp; Photon Network Res Ctr, Fac Engr, Serdang 43400, Malaysia</p> <p>[2] King Saud</p>	Optics and Laser Technology	Oct 2018	2.262 Q-2	KSU RG-1437-008

		Abidin, N. H. Zainol [1] Mandi, M. A. [1]	<b>Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b>				
<b>16</b>	Microwave-assisted CVD-like synthesis of dispersed monolayer/few-layer N-doped graphene encapsulated metal nanocrystals for efficient electrocatalytic oxygen evolution	Bu, Fanxing [1] Chen, Wenshu [2] Gu, Jiajun [2] <b>Agboola, Phillips O. [3]</b> <b>Al-Khalli, Najeeb Fuad [4]</b> <b>Shakir, Imran [5]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China  [2] Shanghai Jiao Tong Univ, State Key Lab Met Matrix Composites, Shanghai 200240, Peoples R China  [3] <b>King Saud Univ, Al Muzahimiyah Branch, Coll Appl Engn, Mech Engn Dept, Riyadh, Saudi Arabia</b>  [4] <b>King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b>  [5] <b>King Saud Univ, Coll Engn Ctr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>	<b>Chemical Science</b>	Sep 2018	<b>9.063 Q-1</b>	National Natural Science Foundation of China
<b>17</b>	Broad bandwidth SOA-based	Sulaiman, Abdul Hadi [1,2]	[1] Univ Putra	<b>Chinese</b>	Sep 2018	<b>1.948</b>	KSU RG-

	multiwavelength laser incorporating a bidirectional Lyot filter	<p>Kadir, Muhammad Zamzuri Abdul [3]</p> <p>Yusoff, Nelidya Md [4]</p> <p>Cholan, Noran Azizan [5]</p> <p>Abdullah, Fairuz [2]</p> <p><b>Abas, Ahmad Fauzi [6]</b></p> <p><b>Alresheedi, Mohammed Thamer [6]</b></p> <p>Mahdi, Mohd Adzir [1]</p>	<p>Malaysia, Fac Engr, Wireless &amp; Photon Networks Res Ctr, Upm Serdang 43400, Malaysia</p> <p>[2] Univ Tenaga Nas, Inst Power Engr, Jalan IKRAM UNITEN, Kajang 43000, Malaysia</p> <p>[3] Int Islamic Univ Malaysia, Kulliyah Sci, Dept Phys, Kuantan 25710, Malaysia</p> <p>[4] Univ Teknol Malaysia Kuala Lumpur, Razak Sch Engr &amp; Adv Technol, Jalan Sultan Yahya Petra, Kuala Lumpur 54100, Malaysia</p> <p>[5] Univ Tun Hussein Onn Malaysia, Fac Elect &amp; Elect Engr, Dept Commun Engr, Batu Pahat 86400, Malaysia</p> <p><b>[6] King Saud Univ, Dept Elect Engr, Coll Engr, Riyadh 11421, Saudi Arabia</b></p>	<b>Optics Letters</b>		<b>Q-2</b>	1437-008
<b>18</b>	Low-cost methodology for	<b>Abbas, Mohamed [1,2]</b>	[1] Assiut Univ, Fac	<b>Integration-</b>	Sep 2018	<b>0.906</b>	Research

	fault diagnosis and localization in pipelined ADCs	Ramadan, Ashraf [1]	Engn, Dept Elect Engn, Assiut 71516, Egypt  [2] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	The Vlsi Journal		Q-4	center of college of engineering at King Saud University 9/438
19	An Incentive-Based Multistage Expansion Planning Model for Smart Distribution Systems	Alotaibi, Majed A. [1] Salama, Magdy M. A. [2]	[1] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia  [2] Univ Waterloo, Dept Elect & Comp Engn, Waterloo, ON N2L 3G1, Canada	IEEE Transactions On Power Systems	Sep 2018	5.255 Q-1	King Saud University, Saudi Arabia, through the Saudi Arabian Cultural Bureau in Canada
20	Acceleration of Carrier Lifetime in Gain-Clamped Semiconductor Optical Amplifiers	Kharraz, O. M. [1] Supa'at, A. S. M. [1] Abas, A. F. [2] Alresheedi, M. T. [2] Mahdi, M. A. [3]	[1] Univ Teknol Malaysia, Dept Commun Engn, Fac Elect Engn, Skudai 81310, Malay  [2] King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia  [3] Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Fac Engn, Serdang 43400, Malaysia	IEEE Photonics Journal	Sep 2018	2.627 Q-2	International Scientific Partnership Program ISPP at King Saud University through ISPP 0106

21	Scattering by a magnetized plasma-coated topological insulator cylinder	<p><b>Alkanhal, Majeed A. S. [1]</b>  Ghaffar, A. [2]  Hussan, M. M. [2]  <b>Khan, Y. [1]</b>  <b>Ahmad, I. [1]</b>  Naqvi, Q. A. [3]</p>	<p><b>[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</b>  [2] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  [3] Quaid I Azam, Dept Elect, Islamabad, Pakistan</p>	Journal of Computational Electronics	Sep 2018	<b>1.431 Q-3</b>	KSU RG-1438-12
22	Yagi-Uda antenna for 1550 nanometers optical communication systems	<p>Sethi, Waleed Tariq [1]  Sagazan, Olivier [1]  <b>Vettikalladi, Hamsakutty [2]</b>  Fathallah, Habib [3]  Himdi, Mohamed [1]</p>	<p>[1] Univ Rennes, Inst Elect &amp; Telecommun, Rennes Univ IETR, F-35700 Rennes, France  <b>[2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</b>  [3] Univ Carthage, Dept Comp, Coll Sci Bizerte, Carthage, Tunisia</p>	Microwave and Optical Technology Letters	Sep 2018	<b>0.948 Q-4</b>	NA
23	Stable multi-wavelength erbium-doped fiber laser assisted by graphene/PMMA thin film	<p>Lau, K. Y. [1]  Abu Bakar, M. N. [1]  Zain, A. R. Md [2]  <b>Abas, A. F. [3]</b>  <b>Alresheedi, M. T. [3]</b>  Mahdi, M. A. [1]</p>	<p>[1] Univ Putra Malaysia, Fac Engn, Wireless &amp; Photon Networks Res Ctr, Upm Serdang 43400, Selangor, Malaysia  [2] Univ Kebangsaan Malaysia, Inst Microengn &amp; Nanoelect IMEN, Bangi 43600,</p>	Optics and Laser Technology	Sep 2018	<b>2.503 Q-3</b>	KSU RG-1437-008



			Selangor, Malaysia  [3] King Saud Univ, Coll Engn, Dept Elect Engr, POB 800, Riyadh 11421, Saudi Arabia				
24	Analysis of P2P, IRC and HTTP traffic for botnets detection	AsSadhan, Basil [1] Bashaiwth, Abdulmuneem [2] Al-Muhtadi, Jalal [3] Alshebeili, Saleh [4]	[1] King Saud Univ, Dept Elect Engr, Ctr Excellence Informat Assurance CoEIA, Riyadh, Saudi Arabia  [2] King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia  [3] King Saud Univ, Dept Comp Sci, Ctr Excellence Informat Assurance CoEIA, Riyadh, Saudi Arabia  [4] King Saud Univ, Dept Elect Engr, KACST TIC RF & Photon E Soc RFTONICS, Riyadh, Saudi Arabia	Peer-to-Peer Networking and Applications	Sep 2018	1.514 Q-3	National Plan for Science, Technology and Innovation (MAARIFAH), KACST, Kingdom of Saudi Arabia 10-INF1279-02
25	IM/DD dual stream asymmetrically clipped optical OFDM system	Baig, Mohammed Selman [1] Abas, Ahmad Fauzi [1]	[1] King Saud Univ, Coll Engn, Dept Elect Engr, Riyadh, Saudi Arabia	Optical Engineering	Sep 2018	0.993 Q-4	KSU RG-1437-008

		<b>Alresheedi, Mohammed Thamer [1]</b> Mandi, Mohd Adzir [2]	[2] Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Fac Engn, Serdang, Malaysia				
26	Resonances in Bianisotropic Layers	<b>Razzaz, Faroq [1]</b> <b>Alkanhal, Majeed A. S. [1]</b>	<b>[1] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b>	<b>IEEE Photonics Journal</b>	Feb 2018	<b>2.627 Q-2</b>	KSU, College of Engineering Research Center
27	An embedded implementation based on adaptive filter bank for brain-computer interface systems	<b>Belwafi, Kais [1]</b> Romain, Olivier [3] <b>Gannouni, Sofien [1]</b> Ghaffari, Fakhreddine [3] <b>Djemal, Ridha [4]</b> Ouni, Bouraoui [2]	<b>[1] King Saud Univ, Coll Comp &amp; Informat Sci, Riyadh, Saudi Arabia</b>  [2] Univ Sousse, ENISo Sousse, Erriyadh 4023, Sousse, Tunisia  [3] Cergy Pontoise Univ, ENSEA, CNRS UMR8051, ETIS, 6 Ave Ponceau, F-95014 Cergy, France  <b>[4] King Saud Univ, Dept Elect Engn, Box 800, Riyadh 11421, Saudi Arabia</b>	<b>Journal of Neuroscience Methods</b>	Aug 2018	<b>2.668 Q-2</b>	National Plan for Science, Technology and Innovation (MAARIFAH), KACST, Kingdom of Saudi Arabia ELE1 730
28	An Efficient and Cost-Effective Hybrid MPPT Method for a Photovoltaic Flyback Microinverter	<b>Sher, Hadeed Ahmed [1,2]</b> <b>Addoweesh, Khaled E. [2]</b> Al-Haddad, Kamal [3]	[1] Ghulam Ishaq Khan Inst Engn Sci & Technol, Fac Elect Engn, Topi 23460,	<b>IEEE Transactions on Sustainable</b>	July 2018	<b>6.235 Q-1</b>	NA

			<p>Pakistan</p> <p>[2] King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia</p> <p>[3] Ecole Technol Super, Dept Elect Engr, Montreal, PQ H3C 1K3, Canada</p>	<b>Energy</b>			
<b>29</b>	Experimental and analytical study on the performance of novel design of efficient two-stage electrostatic precipitator	<p><b>Khaled, Usama [1,2]</b> Beroual, Abderrahmane [3]</p> <p><b>Alotaibi, Falah [1]</b></p> <p><b>Khan, Yasin [1]</b></p> <p><b>Al-Arainy, Abdulrehman [1]</b></p>	<p>[1] King Saud Univ, Dept Elect Engr, Coll Engr, Riyadh 11421, Saudi Arabia</p> <p>[2] Aswan Univ, Fac Energy Engr, Dept Elect Engr, Aswan, Egypt</p> <p>[3] Univ Lyon, AMPERE CNRS UMR 5005, Ecole Cent Lyon, 36 Ave Guy de Collongue, F-69134 Ecully, France</p>	<b>IET Science Measurement &amp; Technology</b>	July 2018	<b>1.366 Q-3</b>	International Scientific Partnership Program (ISPP) at King Saud University through ISPP 0047
<b>30</b>	Impact of Ambient Temperature on Shunt Capacitor Placement in a Distorted Radial Distribution System	<p><b>Al-Ammar, Essam A. [1]</b></p> <p><b>Ghazi, Ghazi A. [1]</b></p> <p><b>Ko, Wonsuk [1]</b></p>	<p>[1] King Saud Univ, Fac Engr, Dept Elect Engr, Riyadh 11461, Saudi Arabia</p>	<b>Energies</b>	July 2018	<b>2.676 Q-2</b>	Initiative of DSR (GSRs)
<b>31</b>	A Novel Design of Three-Phase Transverse Flux Linear	<b>Khaled, Usama [1,2]</b>	<b>[1] King Saud Univ, Dept Elect Engr,</b>	<b>Arabian Journal For</b>	July 2018	<b>1.092 Q-3</b>	International Scientific

	Motor to Minimize Force Ripples	<b>Meer, Rashid [1]</b> Beroual, Abderrahmane [3]	<b>Coll Engn, Riyadh, Saudi Arabia</b> [2] Aswan Univ, Fac Energy Engn, Dept Elect Engn, Aswan, Egypt [3] Ecole Cent Lyon, Ampere Lab CNRS 5005, 36 Ave Guy de Collongue, F-69130 Ecully, France	<b>Science and Engineering</b>			Partnership Program (ISPP) at King Saud University 0047
<b>32</b>	Low threshold linear cavity mode-locked fiber laser using microfiber-based carbon nanotube saturable absorber	Lau, K. Y. [1] Ng, E. K. [1] Abu Bakar, M. H. [1] <b>Abas, A. F. [2]</b> <b>Alresheedi, M. T. [2]</b> Yusoff, Z. [3] Mahdi, M. A. [1]	[1] Univ Putra Malaysia, Fac Engn, Wireless & Photon Networks Res Ctr, Upm Serdang 43400, Selangor, Malaysia <b>[2] King Saud Univ, Coll Engn, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia</b> [3] Multimedia Univ, Fac Engn, Cyberjaya 63100, Selangor, Malaysia	<b>Optics and Laser Technology</b>	June 2108	<b>2.503 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University 0106
<b>33</b>	Thumb positioning analysis of new elliptical-shaped microwave sensors for non-invasive glucose monitoring	<b>Sethi, W. T. [1]</b> <b>Ashraf, M. A. [1]</b> <b>Alshebeili, S. A. [1]</b>	<b>[1] King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency &amp; Photon E Soc RFTONICS,</b>	<b>Electronics Letters</b>	May 2018	<b>1.232 Q-3</b>	KSU RG-1438-092

		<a href="#">Issa, K. [1]</a>	<a href="#">Riyadh 11421, Saudi Arabia</a>				
<b>34</b>	Low threshold L-band mode-locked ultrafast fiber laser assisted by microfiber-based carbon nanotube saturable absorber	Lau, K. Y. [1] Ng, E. K. [1] Abu Bakar, M. H. [1] <a href="#">Abas, A. F. [2]</a> <a href="#">Alresheedi, M. T. [2]</a> Yusoff, Z. [3] Mahdi, M. A. [1]	[1] Univ Putra Malaysia, Fac Engr, Wireless & Photon Networks Res Ctr, Upm Serdang 43400, Selangor, Malaysia  <a href="#">[2] King Saud Univ, Coll Engr, Dept Elect Engr, POB 800, Riyadh 11421, Saudi Arabia</a>  [3] Multimedia Univ, Fac Engr, Cyberjaya 63100, Selangor, Malaysia	<b>Optics Communications</b>	April 2018	<b>1.887 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University 0106
<b>35</b>	Multilevel Converter by Cascading Two-Level Three-Phase Voltage Source Converter	<a href="#">Al-Shamma'a, Abdullrahman A. [1,2]</a> Noman, Abdullah M. [1,2] <a href="#">Addoweesh, Khaled E. [1]</a> Alabduljabbar, Ayman A. [3] <a href="#">Alolah, A. I. [1]</a>	<a href="#">[1] King Saud Univ, Coll Engr, Dept Elect Engr, Riyadh 11421, Saudi Arabia</a>  [2] Taiz Univ, Coll Engr, Dept Mechatron Engr, Taizi 3086, Yemen  [3] KACST, Riyadh 11442, Saudi Arabia	<b>Energies</b>	April 2018	<b>2.676 Q-2</b>	King Abdulaziz City for Science and Technology (KACST)
<b>36</b>	Experimental Investigation of the Breakdown Voltage of CO <sub>2</sub> , N <sub>2</sub> , and SF <sub>6</sub> Gases, and	Beroual, Abderrahmane [1]	[1] Univ Lyon, Ecole Cent Lyon, Ampere CNRS UMR 5005, 36	<b>Energies</b>	April 2018	<b>2.676 Q-2</b>	International Scientific

	CO <sub>2</sub> -SF <sub>6</sub> and N <sub>2</sub> -SF <sub>6</sub> Mixtures under Different Voltage Waveforms	<b>Khaled, Usama [2,3]</b> Coulibaly, Mamadou-Lamine [1]	Ave Guy Collongue, F-69134 Ecully, France  <b>[2] King Saud Univ, Coll Engn, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Aswan Univ, Fac Energy Engn, Dept Elect Engn, Aswan 81528, Egypt				Partnership Program (ISPP) at King Saud University 0047
37	Cascaded Multilevel Inverter Topology Based on Cascaded H-Bridge Multilevel Inverter	<b>Noman, Abdullah M. [1,2]</b> Al-Shamma'a, Abdullrahman A. [1,2] <b>Addowesh, Khaled E. [1]</b> Alabduljabbar, Ayman A. [3] <b>Alolah, Abdurrahman I. [1]</b>	<b>[1] King Saud Univ, Fac Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b>  [2] Taiz Univ, Fac Engn & Informat Technol, Dept Commun & Comp Engn, Taizi, Yemen  [3] King Abdulaziz City Sci & Technol, Riyadh 6068, Saudi Arabia	<b>Energies</b>	April 2018	<b>2.676 Q-2</b>	King Abdulaziz City for Science and Technology (KACST)
38	Nd <sup>3+</sup> -doped heavy metal oxide based multicomponent borate glasses for 1.06 μm solid-state NIR laser and O-band optical amplification applications	Lakshminarayana, G. [1] Kaky, Kawa M. [1,2] Baki, S. O. [3] Lira, A. [4] Meza-Rocha, A. N. [5]	[1] Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Fac Engn, Serdang 43400, Selangor, Malaysia  [2] Council Representat Iraq, Directorate	<b>Optical Materials</b>	April 2018	<b>2.320 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University 0106

	<p>Falcony, C. [6]</p> <p>Caldino, U. [7]</p> <p>Kityk, I. V. [8]</p> <p>Mendez-Blas, A. [9]</p> <p><b>Abas, A. F. [10]</b></p> <p><b>Alresheedi, M. T. [10]</b></p> <p>Mahdi, M. A. [1]</p>	<p>Commun &amp; Informat Technol, Conferences Palace, Baghdad, Iraq</p> <p>[3] Univ Putra Malaysia, Dept Phys, Fac Sci, Upm Serdang 43400, Selangor, Malaysia</p> <p>[4] Univ Autonoma Estado Mexico, Dept Fis, Fac Ciencias, Toluca 50000, Mexico</p> <p>[5] Benemerita Univ Autonoma Puebla, Postgrad Fis Aplicada, Fac Ciencias Fis Matemat, CONACYT, Ave San Claudio &amp; Ave 18 Sur, Puebla 72570, Pue, Mexico</p> <p>[6] IPN, Ctr Invest &amp; Estudios Avanzados, Dept Fis, Ave IPN 2508, Mexico City 07360, DF, Mexico</p> <p>[7] Benemerita Univ Autonoma Puebla, Fac Ciencias Fis Matemat, Ave San Claudio &amp; Ave 18 Sur, Puebla 72570,</p>				
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			<p>Pue, Mexico</p> <p>[8] Czestochowa Tech Univ, Inst Optoelect &amp; Measuring Syst, Fac Elect Engn, 17 Armii Krajowej Str, PL-42200 Czestochowa, Poland</p> <p>[9] Benemerita Univ Autonoma Puebla, Inst Fis, Apdo Postal J-48, Puebla 72570, Pue, Mexico</p> <p><b>[10] King Saud Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
<b>39</b>	Highly Sensitive Microwaves Sensors for Fluid Concentration Measurements	<b>Albishi, Ali M. [1,2]</b> Ramahi, Omar M. [2]	<p><b>[1] King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia</b></p> <p>[2] Univ Waterloo, Dept Elect &amp; Comp Engn, Waterloo, ON N2L 3G1, Canada</p>	<b>IEEE Microwave and Wireless Components Letters</b>	April 2018	<b>2.169 Q-2</b>	N/A
<b>40</b>	Broadly Tunable Self-injection Locked InAs/InP Quantum-dash Laser Based Fiber/FSO/Hybrid Fiber-FSO Communication at 1610 nm	<b>Shemis, M. A. [1]</b> <b>Alkhazraji, E. [1,2]</b>	<b>[1] King Fahd Univ Petr &amp; Minerals, Dept Elect Engn, Optoelect Res Lab, Dhahran 31261, Saudi Arabia</b>	<b>IEEE Photonics Journal</b>	April 2018	<b>2.627 Q-2</b>	KSU RG-1438-092 & King Fahd University of



		<p><b>Ragheb, A. M. [1]</b></p> <p><b>Khan, M. T. A. [1]</b></p> <p>Esmail, M. [3]</p> <p>Fathallah, H. [4]</p> <p><b>Alshebeili, S. A. [3,5]</b></p> <p><b>Khan, M. Z. M. [1]</b></p>	<p>[2] Jubail Ind Coll, Dept Elect &amp; Elect Engn Technol, Jubail Ind City 31961, Saudi Arabia</p> <p>[3] KACST TIC Radio Frequency &amp; Photon E Soc RFTON, Riyadh 11421, Saudi Arabia</p> <p>[4] Univ Carthage, Fac Sci Bizerte, Dept Comp, Lab Phys Mat Struct &amp; Properties, Tunis 1054, Tunisia</p> <p><b>[5] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b></p>				Petroleum and Minerals & KACST-TIC in SSL
<b>41</b>	Laser phase noise impact on optical DP-MQAM: experimental investigation	<p><b>Ragheb, Amr M. [1]</b></p> <p>Fathallah, Habib [2]</p> <p><b>Alshebeili, Saleh A. [1,3]</b></p>	<p><b>[1] KACST Technol Innovat Ctr RF &amp; Photon RFTONICS, Riyadh, Saudi Arabia</b></p> <p>[2] Univ Carthage, Dept Comp, Coll Sci Bizerte, Tunis, Tunisia</p> <p><b>[3] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</b></p>	<b>Photonic Network Communications</b>	April 2018	<b>1.203 Q-3</b>	KSU RG-1438-092
<b>42</b>	Efficient energy localization for hybrid wideband hyperthermia treatment system	<b>Uddin, Nizam [1]</b>	<b>[1] King Saud Univ, Dept Elect Engn,</b>	<b>International Journal of Rf and</b>	March 2018	<b>1.306 Q-3</b>	(KACST), General

		<a href="#">Elshafiey, Ibrahim [1]</a>	<a href="#">Riyadh, Saudi Arabia</a>	<b>Microwave Computer-Aided Engineering</b>			Administrati on for Research Grants AT 35-210
<b>43</b>	Design and simulation of a doping-less charge plasma based enhancement mode GaN MOSFET	Verma, Sumit [1] Loan, Sajad A. [1] <a href="#">Alamoud, Abdulrahman M. [2]</a>	[1] Jamia Millia Islamia, Dept Elect & Commun Engn, New Delhi, India  <a href="#">[2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</a>	<b>Journal of Computational Electronics</b>	March 2018	<b>1.431 Q-3</b>	VPP/ISPP program of King Saud University, Saudi Arabia
<b>44</b>	A 1.8 GHz wideband high power amplifier with flat gain response by exploiting microstrip high-pass-filter	<a href="#">Malik, Waqar Ahmad [1]</a> <a href="#">Sheta, Abdelfattah Ahmed [1]</a> <a href="#">Elshafiey, Ibrahim [1]</a>	<a href="#">[1] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</a>	<b>Microwave and Optical Technology Letters</b>	Jan 2018	<b>0.948 Q-4</b>	Research Center at the College of Engineering, KSU, Riyadh, Saudi Arabia
<b>45</b>	Effect of alkali/mixed alkali metal ions on the thermal and spectral characteristics of Dy <sup>3+</sup> :B <sub>2</sub> O <sub>3</sub> -PbO-Al <sub>2</sub> O <sub>3</sub> -ZnO glasses	Lakshminarayana, G. [1] Baki, S. O. [2] Lira, A. [3] Caldino, U. [4] Meza-Rocha, A. N. [5] Kityk, I. V. [6] <a href="#">Abas, A. F. [7]</a>	[1] Univ Putra Malaysia, Fac Engr, Wireless & Photon Networks Res Ctr, Serdang 43400, Selangor, Malaysia  [2] Univ Putra Malaysia, Fac Sci, Dept Phys, Serdang 43400, Selangor, Malaysia	<b>Journal of Non-Crystalline Solids</b>	Feb 2018	<b>2.488 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University through ISPP 0106

		<p><b>Alresheedi, M. T. [7]</b></p> <p>Mahdi, M. A. [1]</p>	<p>[3] Univ Autonoma Estado Mexico, Fac Ciencias, Dept Fis, Toluca 50000, Mexico</p> <p>[4] Univ Autonoma Metropolitana Iztapalapa, Dept Fis, Apartado Postal 55-534, Mexico City 09340, DF, Mexico</p> <p>[5] Benemerita Univ Autonoma Puebla, CONACYT, Postgrad Fis Aplicada, Fac Ciencias Fis Matemat, Ave San Claudio &amp; Ave 18 Sur, Puebla 72570, Pue, Mexico</p> <p>[6] Czestochowa Tech Univ, Fac Elect Engn, Inst Optoelect &amp; Measuring Syst, 17 Armii Krajowej Str, PL-42200 Czestochowa, Poland</p> <p><b>[7] King Saud Univ, Coll Engn, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
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46	Influence of hydrostatic pressure on creeping discharge characteristics over solid/liquid insulating interfaces under AC and DC voltages	Beroual, Abderrahmane [1] <b>Khaled, Usama [2,3]</b>	[1] Univ Lyon, Ecole Cent Lyon, AMPERE, CNRS,UMR 5005, 36 Ave Guy Collongue, F-69134 Ecully, France  [2] <b>King Saud Univ, Coll Engn, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] Aswan Univ, Fac Energy Engn, Dept Elect Engn, Aswan, Egypt	<b>IET Generation Transmission &amp; Distribution</b>	Jan 2018	<b>2.618 Q-2</b>	International Scientific Partnership Program (ISPP) at King Saud University through ISPP 0047
47	A Review of EEG and MEG Epileptic Spike Detection Algorithms	Abd El-Samie, Fathi E. [1] Alotaiby, Turkey N. [2] <b>Khalid, Muhammad Imran [3]</b> <b>Alshebeili, Saleh A. [3]</b> <b>Aldosari, Saeed A. [3]</b>	[1] Menoufia Univ, Fac Elect Engn, Menoufia 32952, Egypt  [2] KACST, Riyadh 11442, Saudi Arabia  [3] <b>King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency &amp; Photon E Soc RFTON, Riyadh 11421, Saudi Arabia</b>	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	KACST-Lockheed Martin University Fund Program
48	Electromagnetic Wave Reflectance, Transmittance, and Absorption in a Graphene-Covered Uniaxial Crystal Slab	Azam, Muhammad [1] Toqeer, Irfan [1] Ghaffar, Abdul [1] Naz, Muhammad Y. [1]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  [2] <b>King Saud Univ, Dept Elect Engn,</b>	<b>Progress in Electromagnetics Research-PIER</b>	Jan 2018	<b>2.874 Q-3</b>	KSU RG-1438-001

		<b>Alkanhal, Majeed A. S. [2]</b> <b>Khan, Yasin [2]</b>	<b>Riyadh, Saudi Arabia</b>				
<b>49</b>	A Direct Construction of Inter-Group Complementary Code Set	Sarkar, Palash [1] Majhi, Sudhan [2] <b>Vettikalladi, Hamsakutty [3]</b> <b>Mahajumi, Abu Syed [3]</b>	[1] IIT Patna, Dept Math, Patna 801106, Bihar, India  [2] IIT Patna, Dept Elect Engn, Patna 801106, Bihar, India  [3] King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	KSU RG-1439-004
<b>50</b>	A High-Density L-Shaped Backscattering Chipless Tag for RFID Bistatic Systems	<b>Issa, Khaled [1]</b> <b>Alshoudokhi, Yazeed A. [2]</b> <b>Ashraf, Muhammad A. [1]</b> AlShareef, Mohammed R. [3] Behairy, Hatim M. [3] <b>Alshebeili, S. [1,2]</b> <b>Fathallah, H. [1,4]</b>	[1] King Saud Univ, KACST TIC Radio Frequency & Photon E Soc RFTONICS, Elect Engn Dept, Riyadh, Saudi Arabia  [2] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabi  [3] King Abdulaziz City Sci & Technol, Natl Ctr Elect Commun & Photon, Riyadh, Saudi Arabia  [4] Carthage Univ, Comp Dept, Coll Sci	<b>International Journal of Antennas and Propagation</b>	Jan 2018	<b>1.378 Q-3</b>	KSU RG-1438-092

			Bizerte, Tunis, Tunisia				
51	A Basic Probability Assignment Methodology for Unsupervised Wireless Intrusion Detection	Ghafir, Ibrahim [1] Kyriakopoulos, Konstantinos G. [1,2] Aparicio-Navarro, Francisco J. [3] Lambotharan, Sangarapillai [1] <b>Assadhan, Basil [4]</b> Binsalleeh, Hamad [5]	[1] Loughborough Univ Technol, Wolfson Sch Mech Elect & Mfg Engn, Loughborough LE11 3TU, Leics, England [2] Loughborough Univ London, Inst Digital Technol, London E20 3BS, England [3] De Montfort Univ, Fac Technol, Leicester LE1 9BH, Leics, England <b>[4] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b> [5] Al Imam Muhammad Ibn Saud Islamic Univ, Dept Comp Sci, Riyadh 11432, Saudi Arabia	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	Engineering and Physical Sciences Research Council (EPSRC), U.K.
52	Analytical Approach to Circulating Current Mitigation in Hexagram Converter-Based Grid-Connected Photovoltaic Systems Using Multiwinding Coupled Inductors	<b>Al-Shamma'a, Abdullrahman A. [1,2]</b> <b>Noman, Abdullah M. [1,2]</b> <b>Addoweesh, Khaled E. [1]</b>	<b>[1] King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b> [2] Taiz Univ, Coll Engn, Dept Mechatron	<b>International Journal of Photoenergy</b>	Jan 2018	<b>1.096 Q-4</b>	King Abdulaziz City for Science and Technology (KACST)

		Alabduljabbar, Ayman A. [3] <b>Alolah, A. I. [1]</b>	Engn, Taizi, Yemen [3] KACST, POB 6086, Riyadh 11442, Saudi Arabia				
<b>53</b>	FPGA Hardware Implementation of DOA Estimation Algorithm Employing LU Decomposition	Hussain, Ahmed OA. [1] Tayem, Nizar [1] Butt, Muhammad Omair [1] Soliman, Abdel-Hamid [2] <b>Alhamed, Abdulrahman [3]</b> <b>Alshebeili, Saleh [3]</b>	[1] Prince Mohammad Bin Fand Univ, Dept Elect Engn, Al Khobar 31952, Saudi Arabia  [2] Staffordshire Univ, Sch Engn, Stoke On Trent ST4 2DE, Staffs, England  [3] <b>King Saud Univ, Dept Elect Engn, KACST TIC RF &amp; Photon E Soc RFTONICS, Riyadh 11421, Saudi Arabia</b>	<b>International Journal of Photoenergy</b>	2018	<b>3.557 Q-1</b>	KSU RG-1438-092
<b>54</b>	Analysis of Binary Image Coding Methods for Outdoor Applications of Wireless Vision sensor Networks	<b>Aurangzeb, Khursheed [1,2]</b> <b>Alhussein, Musaed [1]</b> O'nils, Mattias [3]	[1] <b>King Saud Univ, Coll Comp &amp; Informat Sci, Comp Engn Dept, Riyadh 11543, Saudi Arabia</b>  [2] COMSATS Inst Informat Technol, Dept Elect Engn, Attack 43600, Pakistan  [3] Mid Sweden Univ, Elect Design Div, S-85170 Sundsvall,	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	KSU RG-1438-034

			Sweden				
55	Development of Efficient High Power Amplifier With More Than an Octave Bandwidth	Malik, Waqar Ahmad [1] Sheta, Abdelfattah Ahmad [1] Elshafiey, Ibrahim [1]	[1] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	IEEE Access	Jan 2018	3.557 Q-1	University Research Program of KACST
56	Field intensity of a perfect electromagnetic conductor circular reflector coated with a plasma layer under oblique incidence	Ghaffar, A. [1] Alkanhal, Majeed A. S. [2] Khan, Y. [2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Optik	Jan 2018	1.191 Q-3	KSU RG-1436-001
57	Hybrid AlGaN/GaN high-electron mobility transistor: design and simulation	Verma, Sumit [1] Loan, Sajad A. [1] Alamoud, Abdulrahman M. [2] Alharbi, Abdullah G. [3]	[1] Jamia Millia Islamia, Elect & Commun Engn, New Delhi, India  [2] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  [3] AlJouf Univ, Dept Elect Engn, Sakaka, Saudi Arabia	IET Circuits Devices & Systems	Jan 2018	1.395 Q-3	NA
58	Effects on RCS of a perfect electromagnetic conductor sphere in the presence of anisotropic plasma layer	Ghaffar, A. [1] Hussan, M. M. [1] Illahi, A. [2]	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  [2] COMSATS Inst Informat Technol, Dept Phys, Res Modeling & Simulat RIMS Grp,	Waves in Random and Complex Media	Jan 2018	2.540 Q-1	KSU RG-1436-001



		<p><b>Alkanhal, Majeed A. S. [3]</b></p> <p><b>Rehman, Sajjad Ur [3]</b></p> <p>Naz, M. Y. [1]</p>	<p>Islamabad, Pakistan</p> <p><b>[3] King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</b></p>				
<b>59</b>	Adaptive Per-spatial Stream Power Allocation Algorithms for Single-User MIMO-OFDM Systems	<p>Odhah, Najib A. [1,2]</p> <p>Hassan, Emad S. [3,4]</p> <p>Dessouky, Moawad I. [3]</p> <p>Al-Hanafy, Waleed E. [3,5]</p> <p><b>Alshebeili, Saleh A. [6]</b></p> <p>Abd El-Samie, Fathi E. [3]</p>	<p>[1] Ibb Univ, Fac Engn &amp; Architecture, Dept Elect Engn, Elect Commun, Ibb, Yemen</p> <p>[2] IHP Microelect, Broadband Commun, Syst Design Dept, Technol Pk 25, D-15236 Frankfurt, Oder, Germany</p> <p>[3] Menoufia Univ, Dept Elect &amp; Elect Commun, Fac Elect Engn, Menoufia 32952, Egypt</p> <p>[4] Jazan Univ, Dept Elect Engn, Jazan, Saudi Arabia</p> <p>[5] Future Univ Egypt, Fac Engn &amp; Technol, New Cairo, Egypt</p> <p><b>[6] King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency &amp; Photon</b></p>	<b>Wireless Personal Communications</b>	Jan 2018	<b>1.200 Q-4</b>	NA

			<b>eSoc RFTONICS, Riyadh, Saudi Arabia</b>				
<b>60</b>	Effect of temperature and ridge-width on the lasing characteristics of InAs/InP quantum-dash lasers: A thermal analysis view	Alkhazraji, E. [1,6] Khan, M. T. A. [1] Ragheb, A. M. [2] Fathallah, H. [3] Qureshi, K. K. [4] <b>Alshebeili, S. [2,5]</b> Khan, M. Z. M. [1]	[1] King Fahd Univ Petr & Minerals, Dept Elect Engn, Optoelect Res Lab, Dhahran 31261, Saudi Arabia [2] KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh 11421, Saudi Arabia [3] Univ Carthage, Coll Sci Bizerte, Dept Comp, Tunis 1054, Tunisia [4] King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia <b>[5] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b> [6] Jubail Ind Coll, Dept Elect & Elect Engn Technol, Jubail Ind City 31951, Saudi Arabia	<b>Optics and Laser Technology</b>	Jan 2018	<b>2.503 Q-2</b>	KSU RG-1438-092 & King Fand University of Petroleum and Minerals - Saudi Arabia SR141002
<b>61</b>	Hybrid PSO-FLC for dynamic global peak extraction of the partially shaded photovoltaic system	<b>Farh, Hassan M. H. [1,2]</b>	[1] Univ Teknologi Malaysia, Malaysia Japan Int Inst Technol,	<b>Plos One</b>	Nov 2018	<b>2.766 Q-1</b>	KSU RG-1439-66

		<p><b>Eltamaly, Ali M. [3,4]</b></p> <p>Othman, Mohd F. [1]</p>	<p>Kuala Lumpur, Malaysia</p> <p><b>[2] King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh, Saudi Arabia</b></p> <p><b>[3] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</b></p> <p>[4] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt</p>				
<b>62</b>	A novel evaluation index for the photovoltaic maximum power point tracker techniques	<p><b>Eltamaly, Ali M. [1,2]</b></p> <p><b>Farh, Hassan M. H. [3,4]</b></p> <p>Othman, Mohd F. [3]</p>	<p>[1] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt</p> <p><b>[2] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Univ Teknol Malaysia, Malaysia Japan Int Inst Technol, K1 54100, Malaysia</p> <p><b>[4] King Saud Univ, Coll Engn, Eectr Engn Dept, Riyadh 11421, Saudi Arabia</b></p>	<b>Solar Energy</b>	Nov 2018	<b>4.374 Q-1</b>	KSU RG-1439-66

63	Self-absorption correction: an effective approach for precise quantitative analysis with laser induced breakdown spectroscopy	<b>Kadachi, Ahmed N. [1]</b> <b>Al-Eshaikh, Mohammad A. [2]</b> <b>Ahmad, Kaleem [3]</b>	<b>[1] King Saud Univ, Coll Engn, Res Ctr, Riyadh 11421, Saudi Arabia</b> <b>[2] King Saud Univ, Elect Dept, Coll Engn, Riyadh 11421, Saudi Arabia</b> <b>[3] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Laser Physics</b>	Sep 2018	<b>1.158 Q-3</b>	Deanship of Scientific Research (DSR) at King Saud University
64	Nested multi-objective PSO for optimal allocation and sizing of renewable energy distributed generation	<b>Eltamaly, Ali M. [1,2]</b> <b>Al-Saud, M. S. [3,4]</b>	<b>[1] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</b> <b>[2] Mansoura Univ, Elect Engn Dept, Mansoura, Egypt</b> <b>[3] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia</b> <b>[4] King Saud Univ, Saudi Elect Co, Chair Power Syst Reliabil &amp; Secur, Riyadh, Saudi Arabia</b>	<b>Journal of Renewable and Sustainable Energy</b>	May 2018	<b>1.337 Q-4</b>	Deanship of Scientific Research at King Saud University in Riyadh, Saudi Arabia
65	Properties of Silica-Based Aerogel Substrates and	<b>Abdel-Rahman, Mohamed</b>	<b>[1] King Saud Univ, Coll Engn, Elect Engn</b>	<b>Journal of Electronic</b>	Mar 2018	<b>1.566</b>	KSU RG-

	Application to C-Band Circular Patch Antenna	<p>[1]</p> <p>Haraz, Osama M. [2]</p> <p>Ashraf, Nadeem [3]</p> <p><b>Zia, Muhammad Fakhar</b> [4]</p> <p><b>Khaled, Usama</b> [1,5]</p> <p><b>Elsahfiey, Ibrahim</b> [6]</p> <p><b>Alshebeili, Saleh</b> [1,6]</p> <p>Sebak, Abdel Razik [3]</p>	<p><b>Dept, Riyadh, Saudi Arabia</b></p> <p>[2] Assiut Univ, Elect Engn Dept, Assiut, Egypt</p> <p>[3] Concordia Univ, Dept Elect &amp; Comp Engn, Montreal, PQ H3G 1M8, Canada</p> <p><b>[4] King Saud Univ, PSATRI, Riyadh, Saudi Arabia</b></p> <p>[5] Aswan Univ, Fac Energy Engn, Elect Engn Dept, Aswan, Egypt</p> <p><b>[6] King Saud Univ, KACST Technol Innovat Ctr Radiofrequency &amp; Photon, Riyadh, Saudi Arabia</b></p>	<b>Materials</b>		<b>Q-3</b>	1438-092
<b>66</b>	Experimental Investigation of the Breakdown Voltage of CO <sub>2</sub> , N <sub>2</sub> , and SF <sub>6</sub> Gases, and CO <sub>2</sub> -SF <sub>6</sub> and N <sub>2</sub> -SF <sub>6</sub> Mixtures under Different Voltage Waveforms	<p>Abderrahmane Beroual [1]</p> <p><b>Usama Khaled</b> [2,3]</p> <p>Mamadou-Lamine Coulibaly</p>	<p>[1] Ecole Centrale de Lyon, University of Lyon, Ampere CNRS UMR 5005, 36 Avenue Guy Collongue, 69134 Ecully, France</p> <p><b>[2] King Saud Univ, Coll Engn, Elect Engn</b></p>	<b>Energies</b>	April 2018	<b>2.676 Q-2</b>	International Scientific Partnership Program (ISPP) at King Saud University ISPP#0047.

		[1]	<b>Dept, Riyadh, Saudi Arabia</b>  [3] Elect Engineering Department, Faculty of Energy Engineering, Aswan University, Aswan 81528, Egypt				
<b>67</b>	Vanadium oxide thin films with high midwave & longwave infrared thermo-optic coefficients and high temperature coefficients of resistance	<b>Abdel-Rahman, Mohamed Ramy [1]</b>	<b>[1] King Saud Univ, Coll Engn, Elect Engn Dept, Riyadh 11421, Saudi Arabia</b>	<b>Optik</b>	2018	<b>1.191 Q-3</b>	KSU, DSR, College of Engineering Research Center 8/438
<b>68</b>	High sensitivity vanadium-vanadium pentoxide-aluminium metal-insulator-metal diode	<b>Abdel-Rahman, Mohamed [1]</b> <b>Issa, Khaled [2]</b> <b>Zia, Muhammad F. [3]</b> <b>Alduraibi, Mohammad [4,5]</b> <b>Siraj, Mohammad [1]</b> <b>Ragheb, Amr [2]</b> <b>Alshebeili, Saleh [1,2]</b>	<b>[1] King Saud Univ, Coll Engn, Elect Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  <b>[2] King Saud Univ, KACST Technol Innovat Ctr, Radio Frequency &amp; Photonics Soc RFTONICS, Riyadh 11421, Saudi Arabia</b>  <b>[3] King Saud Univ, Prince Sultan Adv Technol Res Inst, POB 800, Riyadh 11421, Saudi Arabia</b>  <b>[4] King Saud Univ,</b>	<b>Micro &amp; Nano Letters</b>	May 2018	<b>0.841 Q-4</b>	KSU RG-1438-092

			<b>Coll Sci, Dept Phys &amp; Astron, POB 2455, Riyadh 11451, Saudi Arabia</b>				
<b>69</b>	Ultra-High Sensitivity Vanadium–Vanadium Sesquioxide–Vanadium (V–V <sub>2</sub> O <sub>3</sub> –V) Symmetric Tunnel Junction Diode	<b>Mohamed Abdel-Rahman</b>	<b>King Saud Univ, Coll Engn, Elect Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Surface Review and Letters</b>	May 2018	<b>0.734 Q-4</b>	KSU RG-1438-092
<b>70</b>	Fabrication of microparabolic reflector for infrared antenna coupled detectors	Mubarak, Mohamed H. [1] Sidek, Othman [1] <b>Abdel-Rahman, Mohamed R. [2]</b> Mustaffa, Mohamed Tafir [1] Kamal, Ahmed Shukri Mustapa [3] Mukras, Saad M. [4]	[1] Univ Sains Malaysia, Sch Elect & Elect Engn, George Town 14300, Malaysia <b>[2] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia</b> [3] Univ Sains Malaysia, Sch Phys, George Town 11800, Malaysia [4] Qassim Univ, Mech Engn Dept, Buraydah, Saudi Arabia	<b>Micro &amp; Nano Letters</b>	Sep 2018	<b>0.841 Q-4</b>	N/A
<b>71</b>	Augmented grey wolf optimizer for grid-connected PMSG-based wind energy conversion systems	<b>Qais, Mohammed H. [1]</b> Hasanien, Hany M. [2] <b>Alghuwainem, Saad [1]</b>	<b>[1] King Saud Univ, Fac Engn, Elect Engn Dept, Riyadh 11421, Saudi Arabia</b> [2] Ain Shams Univ, Fac Engn, Elect Power & Machines Dept, Cairo	<b>Applied Soft Computing</b>	Aug 2018	<b>3.907 Q-1</b>	Deanship of Scientific Research at King Saud University in Riyadh, Saudi Arabia

			11517, Egypt				
72	A Grey Wolf Optimizer for Optimum Parameters of Multiple PI Controllers of a Grid-Connected PMSG Driven by Variable Speed Wind Turbine	<p><b>Qais, Mohammed H. [1]</b>  Hasanien, Hany M. [2]  <b>Alghuwainem, Saad [1]</b></p>	<p><b>[1] King Saud Univ, Elect Engn Dept, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Ain Shams Univ, Elect Power &amp; Machines Dept, Cairo 11517, Egypt</p>	IEEE Access	2018	<b>3.557 Q-1</b>	College of Engineering Research Center, King Saud University, Riyadh, Saudi Arabia
73	In vitro analysis of a microwave sensor for noninvasive glucose monitoring	<p><b>Sethi, Waleed Tariq [1]</b>  <b>Issa, Khaled [1]</b>  <b>Ashraf, Muhammad Ahmed [1]</b>  <b>Alshebeili, Saleh [1]</b></p>	<p><b>[1] King Saud Univ, Dept Elect Engn, KACST Technol Innovat Ctr Radio Frequency &amp; Photo, Riyadh 11451, Saudi Arabia</b></p>	Microwave and Optical Technology Letters	Dec 2018 Online	<b>0.948 Q-4</b>	N/A
74	Demonstration of Photonics-Based Switching of 5G Signal Over Hybrid All-Optical Network	<p><b>Esmail, M. A. [1]</b>  <b>Ragheb, A. [1]</b>  Fathallah, H. [2]  <b>Alshebeili, S. [1,3]</b></p>	<p><b>[1] Radio Frequency &amp; Photon Ctr, KACST Technol Innovat Ctr, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Univ Carthage, Fac Sci Bizerte, Comp Dept, Lab Phys Mat Struct &amp; Properties, Carthage, Tunisia</p> <p><b>[3] King Saud Univ, Elect Engn Dept, Riyadh 11421, Saudi</b></p>	IEEE Photonics Technology Letters	July 2018	<b>2.446 Q-2</b>	KSU RG-1438-092



			<b>Arabia</b>				
<b>75</b>	Experimental Demonstration of PAPR Reduction in OFDM System Using Partial-OSLM Technique	Al-Rayif, M. I. [1] <b>Seleem, H. [2,3,4]</b> <b>Ragheb, A. [3]</b> <b>Alshebeili, S. [2,3]</b>	[1] King Khalid Univ, Coll Engn, Abha 61421, Saudi Arabia  [2] King Saud Univ, Elect Engn Dept, POB 800, Riyadh 11421, Saudi Arabia  [3] King Saud Univ, KACST TIC RF & Photon E Soc, Riyadh 11421, Saudi Arabia  [4] Tanta Univ, Elect Engn & Elect Commun Dept, Tanta 31521, Egypt	<b>Journal of Circuits Systems and Computers</b>	June 2018	<b>0.595 Q-4</b>	KSU RG-1438-092
<b>76</b>	Demonstration of Millimeter Wave 5G Setup Employing High-Gain Vivaldi Array	<b>Sethi, Waleed Tariq [1]</b> <b>Ashraf, Muhammad Ahmed [1]</b> <b>Ragheb, Amr [1]</b> Alasaad, Amr [2] <b>Alshebeili, Saleh A. [1]</b>	[1] King Saud Univ, Coll Engn, KACST Technol Innovat Ctr Radio Frequency & Photo, Riyadh 11421, Saudi Arabia  [2] King Abdulaziz City Sci & Technol Riyadh, Natl Ctr Elect & Photon Technol, Riyadh, Saudi Arabia	<b>International Journal of Antennas and Propagation</b>	2018	<b>1.378 Q-3</b>	King Abdul Aziz City for Science and Technology
<b>77</b>	Radar signal transmission and switching over optical networks	<b>Esmail, Maged A. [1]</b>	[1] King Saud Univ, KACST TIC Radio Frequency & Photon E	<b>Optics Communicati</b>	March 2018	<b>1.887 Q-2</b>	KSU RG-1438-

		<p><b>Ragheb, Amr [1]</b></p> <p><b>Seleem, Hussein [1]</b></p> <p>Fathallah, Habib [2]</p> <p><b>Alshebeili, Saleh [1]</b></p>	<p><b>Soc RFTONICS, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Univ Carthage, Comp Dept, Coll Sci Bizerte, Tunis, Tunisia</p> <p><b>[3] King Saud Univ, Elect Engn Dept, Fac Engn, Riyadh 11421, Saudi Arabia</b></p>	<p><b>ons</b></p>			092
78	Demonstration of L-band DP-QPSK transmission over FSO and fiber channels employing InAs/InP quantum-dash laser source	<p>Shemis, M. A. [1]</p> <p>Khan, M. T. A. [1]</p> <p>Alkhazraji, E. [1,2]</p> <p><b>Ragheb, A. M. [3]</b></p> <p><b>Esmail, M. A. [3]</b></p> <p>Fathallah, H. [4]</p> <p>Qureshi, K. K. [5]</p> <p><b>Alshebeili, S. [3,6]</b></p> <p>Khan, M. Z. M. [1]</p>	<p>[1] King Fahd Univ Petr &amp; Minerals, Elect Engn Dept, Optoelect Res Lab, Dhahran 31261, Saudi Arabia</p> <p>[2] Jubail Ind Coll, Dept Elect &amp; Elect Engn Technol, Jubail Ind City 31951, Saudi Arabia</p> <p><b>[3] KACST TIC Radio Frequency &amp; Photon E Soc, Riyadh 11421, Saudi Arabia</b></p> <p>[4] Univ Carthage, Coll Sci Bizerte, Comp Dept, Tunis 1054, Tunisia</p> <p>[5] King Fahd Univ Petr &amp; Minerals, Elect Engn Dept, Dhahran 31261,</p>	<p><b>Optics Communications</b></p>	March 2018	<b>1.887 Q-2</b>	KFUPM & RG-1438-092

			Saudi Arabia <b>[6] King Saud Univ, Elect Engn Dept, Riyadh 11421, Saudi Arabia</b>				
<b>79</b>	A Grey Wolf Optimizer for Optimum Parameters of Multiple PI Controllers of a Grid-Connected PMSG Driven by Variable Speed Wind Turbine	<b>Qais, Mohammed H. [1]</b> Hasanien, Hany M. [2] <b>Alghuwainem, Saad [1]</b>	<b>[1] King Saud Univ, Elect Engn Dept, Riyadh 11421, Saudi Arabia</b>  [2] Ain Shams Univ, Elect Power & Machines Dept, Cairo 11517, Egypt	<b>IEEE Access</b>	2018	<b>3.557 Q-1</b>	College of Engineering Research Center, King Saud University, Riyadh, Saudi Arabia
<b>80</b>	Demonstration of L-band DP-QPSK transmission over FSO and fiber channels employing InAs/InP quantum-dash laser source	Shemis, M. A. [1] Khan, M. T. A. [1] Alkhazraji, E. [1,2] <b>Ragheb, A. M. [3]</b> <b>Esmail, M. A. [3]</b> Fathallah, H. [4] Qureshi, K. K. [5] <b>Alshebeili, S. [3,6]</b> Khan, M. Z. M. [1]	[1] King Fahd Univ Petr & Minerals, Elect Engn Dept, Optoelect Res Lab, Dhahran 31261, Saudi Arabia  [2] Jubail Ind Coll, Dept Elect & Elect Engn Technol, Jubail Ind City 31951, Saudi Arabia  <b>[3] KACST TIC Radio Frequency &amp; Photon Soc, Riyadh 11421, Saudi Arabia</b>  [4] Univ Carthage, Coll Sci Bizerte, Comp Dept,	<b>Optics Communications</b>	March 2018	<b>1.887 Q-2</b>	KSURG-1438-092 & King Fahd University of Petroleum and Minerals & KAUST004

			Tunis 1054, Tunisia  [5] King Fahd Univ Petr & Minerals, Elect Engr Dept, Dhahran 31261, Saudi Arabia  [6] King Saud Univ, Elect Engr Dept, Riyadh 11421, Saudi Arabia				
81	Experimental Demonstration of Simultaneous Modulation Format/Symbol Rate Identification and Optical Performance Monitoring for Coherent Optical Systems	Guesmi, Latifa [1] Ragheb, Amr Mohamed [1] Fathallah, Habib [1] Menif, Mourad [1]	[1] KSU, CoE, KACST TIC Radio Frequency & Photon E Soc, Riyadh 11421, Saudi Arabia	Journal of Lightwave Technology	June 2018	3.652 Q-1	KSU RG-1438-092
82	Chaos-based physical-layer encryption for OFDM-based VLC schemes with robustness against known/chosen plaintext attacks	Yahya M. Al-Moliki [1] Mohammed T. Alresheedi [1] Yahya Al-Harhi [1]	[1] Department of Electrical Engineering, King Saud University, Riyadh 11451, Saudi Arabia	IET Optoelectronics	Dec 2018 Online	1.506 Q-3	DSR Graduate Students Research Support (GSR)
83	Interaction of directive electromagnetic radiation with isotropic plasma-coated PEMC cylinder	A. Ghaffar [2] M. M. Hussan [2] Majeed A. S. Alkanhal [1] Yasin Khan [2]	[1] Department of Physics, University of Agriculture, Faisalabad, Pakistan [2] Department of Electrical Engineering, King Saud University, Riyadh 11451, Saudi Arabia	Waves in Random and Complex Media	May 2018 Online	2.540 Q-1	N/A

<b>84</b>	High Precision Vehicle Positioning: Towards Cooperative Driving Based on VANET	<b>Hossain, Md Anowar [1]</b> <b>Elshafiey, Ibrahim [1]</b> <b>Al-Sanie, Abdulhameed [1]</b>	<b>[1] King Saud Univ, Elect Engn Dept, Riyadh, Saudi Arabia</b>	<b>Journal of Internet Technology</b>	2018	<b>1.301 Q-3</b>	KACST AT 35-210
<b>85</b>	Waveform diversity for mutual interference mitigation in automotive radars under realistic traffic environments	<b>Hossain, Md Anowar [1]</b> <b>Elshafiey, Ibrahim [1]</b> <b>Al-Sanie, Abdulhameed [1]</b>	<b>[1] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b>	<b>Signal Image and Video Processing</b>	June 2018 Online	<b>1.643 Q-3</b>	DSR and Research Center at the College of Engineering, KSU
<b>86</b>	Cooperative vehicle positioning with multi-sensor data fusion and vehicular communications	<b>Hossain, Md. Anowar [1]</b> <b>Elshafiey, Ibrahim [1]</b> <b>Al-Sanie, Abdulhameed [1]</b>	<b>[1] King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</b>	<b>Wireless Networks</b>	June 2018 Online	<b>1.981 Q-2</b>	University Research Program of KACST

# **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	Effect of two-stage injection dwell angle on engine combustion and performance characteristics of a common-rail diesel engine fueled with coconut oil methyl esters-diesel fuel blends	Teoh, Y. H. [1] Masjuki, H. H. [2] How, H. G. [2] Kalam, M. A. [2] Yu, K. H. [2] <b>Alabdulkarem, A. [3]</b>	[1] Univ Sains Malaysia, Sch Mech Engn, Engn Campus, Nibong Tebal 14300, Penang, Malaysia  [2] Univ Malaya, Ctr Energy Sci, Fac Engn, Kuala Lumpur 50603, Malaysia  <b>[3] King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia</b>	<b>Fuel</b>	Dec 2018	<b>0.585 Q-4</b>	Universiti Sains Malaysia (BRIDGING research grant scheme)
2	An experimental study of solar thermal system with storage for domestic applications	Abid, M. [1] Yousef, B. A. A. [2] Assad, M. E. [2] Hepbasli, A. [3] <b>Saeed, K. [4]</b>	[1] Ulster Univ, Ctr Sustainable Technol, Newtownabbey BT37 0QB, Ireland  [2] Univ Sharjah, Coll Engn, Sustainable & Renewable Energy Engn, Sharjah, U Arab Emirates  [3] Yasar Univ, Fac	<b>Journal of Mechanical Engineering and Sciences</b>	Dec 2018	<b>New/Emerging ISI Journal</b>	NA

			Engn, Dept Energy Syst Engn, TR-35100 Izmir, Turkey  <b>[4] King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia</b>				
<b>3</b>	Impacts of Heat-Conducting Solid Wall and Heat-Generating Element on Free Convection of Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O Nanofluid in a Cavity with Open Border	Sheremet, Mikhail A. [1] Oztop, Hakan F. [2] Gvozdyakov, Dmitriy V. [3] <b>Ali, Mohamed E. [4]</b>	[1] Tomsk State Univ, Lab Convect Heat & Mass Transfer, Tomsk 634050, Russia  [2] Firat Univ, Fac Technol, Dept Mech Engn, TR-23119 Elazig, Turkey  [3] Tomsk Polytech Univ, Butakov Res Ctr, Tomsk 634050, Russia  <b>[4] King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia</b>	<b>Energies</b>	Dec 2018	<b>2.676 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University 131 & Government task of the Ministry of Education and Science of the Russian Federation
<b>4</b>	Effects of adhesive disbond and thermal residual stresses on the fatigue life of cracked 2024-T3 aluminum panels repaired with a composite patch	<b>Albedah, Abdulmohsen [1]</b> <b>Bouiadjra, B. Bachir [1,2]</b> <b>Benyahia, Faycal [1]</b> <b>Mohammed, Sohail M. A. Khan [1,3]</b>	[1] <b>King Saud Univ, Coll Engn, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Univ Djillali Liabes Sidi Bel Abbes, Dept	<b>International Journal of Adhesion and Adhesives</b>	Dec 2018	<b>2.065 Q-2</b>	KSU RGP-VPP-035



			<p>Mech Engr, LMPM, BP 89, Sidi Bel Abbes, Algeria</p> <p>[3] Ryerson Univ, Dept Mech &amp; Ind Engr, Toronto, ON M5B 2K3, Canada</p>				
5	Influence of plasma functionalization treatment and gold nanoparticles on surface chemistry and wettability of reactive-sputtered TiO <sub>2</sub> thin films	<p>Achour, A. [1]</p> <p><b>Islam, M. [2]</b></p> <p>Solaymani, S. [3]</p> <p>Vizireanu, S. [4]</p> <p><b>Saeed, Khalid [5]</b></p> <p>Dinescu, G. [4]</p>	<p>[1] Univ Namur, Res Ctr Phys Matter &amp; Radiat PMR, LISE Lab, B-5000 Namur, Belgium</p> <p><b>[2] King Saud Univ, CEREM, Sci Res, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Islamic Azad Univ, West Tehran Branch, Young Researcher &amp; Elite Club, Tehran, Iran</p> <p>[4] Natl Inst Laser Plasma &amp; Radiat Phys, POB MG 16, Bucharest 077125, Romania</p> <p><b>[5] King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p>	<b>Applied Surface Science</b>	Nov 2018	<b>4.439 Q-2</b>	KSU RGP-283 & Project CELLAB-SLP
6	RETRACTION: Hierarchical Porous Engineering of Three-	Khalafallah, Diab [1]	[1] Aswan Univ, Fac Energy Engr, Mech	<b>Journal of The</b>	Nov 2018	<b>3.662</b>	ISPP at

	Dimensional Stacked Blocks like NiCo <sub>2</sub> O <sub>4</sub> Assembled from Vertically Aligned Nanoplates for Efficient Alcohols Electrooxidation	<b>Alothman, Othman Y. [2,3]</b> <b>Fouad, H. [4,5]</b> Khalil, Khalil Abdelrazek [1,6]	Design & Mat Dept, Aswan, Egypt  <b>[2] King Saud Univ, Coll Engr, Chem Engr Dept, Riyadh 11421, Saudi Arabia</b>  [3] Saudi Elect Univ, Deanship Grad Studies, Riyadh 11673, Saudi Arabia  <b>[4] King Saud Univ, Riyadh Community Coll, Dept Appl Med Sci, Riyadh 11437, Saudi Arabia</b>  [5] Helwan Univ, Fac Engr, Biomed Engr Dept, Helwan, Egypt  [6] Univ Sharjah, Coll Engr, Dept Mech Engr, Sharjah, U Arab Emirates	<b>Electrochemical Society</b>		<b>Q-2</b>	King Saud University through ISPP 0030
<b>7</b>	Electro-thermo-capillary-convection in a square layer of dielectric liquid subjected to a strong unipolar injection	Hassen, Walid [1] Kolsi, Lioua [1,2] Oztop, Hakan F. [3] Al-Rashed, Abdullah A. A. A. [4]	[1] Univ Monastir, Ecole Natl Ingenieurs, Unite Rech Metrol & Syst Energet, Monastir 5000, Tunisia  [2] Hail Univ, Coll Engr, Dept Mech Engr,	<b>Applied Mathematical Modelling</b>	Nov 2018	<b>2.589 Q-1</b>	International Scientific Partnership Program ISPP at King Saud University 0030

		Borjini, Mohamed Naceur [1] <b>Al-Salem, Khaled [5]</b>	Hail City, Saudi Arabia  [3] Firat Univ, Technol Fac, Dept Mech Engr, Elazig, Turkey  [4] Publ Author Appl Educ & Training, Dept Automot & Marine Engr Technol, Coll Technol Studies, Kuwait, Kuwait  <b>[5] King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia</b>				
<b>8</b>	Analysis of the single overload effect on fatigue crack growth in AA 2024-T3 plates repaired with composite patch	<b>Mohammed, Sohail M. A. Khan [1,2]</b> <b>Bouiadjra, B. Bachir [1,3]</b> <b>Benyahia, F. [1]</b> <b>Albedah, A. [1]</b>	<b>[1] King Saud Univ, Coll Engr, Mech Engr Dept, Riyadh, Saudi Arabia</b>  [2] Ryerson Univ, Dept Mech & Ind Engr, Toronto, ON M5B 2K3, Canada  [3] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engr, LMPM, BP 89,Cite Ben Mhidi, Sidi Bel Abbes 22000, Algeria	<b>Engineering Fracture Mechanics</b>	Oct 2018	<b>2.580 Q-1</b>	KSU RGP-VPP-035
<b>9</b>	Effects of Magnetohydrodynamics on	Abbassi, Mohamed Ammar	[1] Univ Gafsa, Mat Energie & Energies	<b>Journal of Thermophysi</b>	Oct 2018	<b>1.085</b>	King Saud

	Natural Convection and Entropy Generation with Nanofluids	[1] <b>Orfi, Jamel [2]</b>	Renouvelables, Gafsa 2112, Tunisia  [2] <b>King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>es and Heat Transfer</b>		<b>Q-3</b>	University, Deanship of Scientific Research, College of Engineering Research Center
<b>10</b>	Effects of Voids Growth on the Damage of Polypropylene/Talc Micro-composite	<b>Bouiadjra, Bel Abbes Bachir [1,2]</b> <b>Albedah, Abdulmohsen [2]</b> Bouziane, Mohamed Mokhtar [1,3] Bouakkaz, Ahmed Ouadah [1] <b>Benyahia, Faycal [2]</b> <b>Mohamed, Sohail M. A. Khan [2]</b>	[1] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engr, LMPM, BP 89, Sidi Bel Abbes 22000, Algeria  [2] <b>King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia</b>  [3] Univ Mustapha Stambouli Masacra, Dept Mech Engr, Masacra, Algeria	<b>Journal of Failure Analysis and Prevention</b>	Oct 2018	<b>New/Emerging ISI Journal</b>	KSU RGP-VPP-035
<b>11</b>	Fatigue crack propagation in aluminum plates with composite patch including plasticity effect	<b>Albedah, A. [1]</b> <b>Khan, Sohail M. A. [1]</b> <b>Bouiadjra, B. Bachir [1,2]</b> <b>Benyahia, F. [1]</b>	[1] <b>King Saud Univ, Coll Engr, Mech Engr Dept, Riyadh, Saudi Arabia</b>  [2] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engr, LMPM, Sidi Bel Abbes, Algeria	<b>Proceedings of the Institution of Mechanical Engineers Part G- Journal of Aerospace Engineering</b>	Sep 2018	<b>1.038 Q-3</b>	NA

12	Physical, mechanical, chemical and thermal properties of nanoscale graphene oxide-poly methylmethacrylate composites	<p><b>Khan, Aftab A. [1]</b>  <b>Mirza, Eraj H. [2,6]</b>  <b>Mohamed, Badreldin A. [3]</b>  <b>Alharthi, Nabeel H. [4,5]</b>  <b>Abdo, Hany S. [5]</b>  <b>Javed, Ravish [6]</b>  Alhur, Rashed S. [7]  Vallittu, Pekka K.) [8]</p>	<p><b>[1] King Saud Univ, Coll Appl Med Sci, Dent Biomat Res Chair, Riyadh, Saudi Arabia</b>  [2] NED Univ Engr &amp; Technol, Dept Biomed Engr, LEJ Campus, Karachi, Pakistan  <b>[3] King Saud Univ, Coll Appl Med Sci, Dept Community Hlth, Riyadh, Saudi Arabia</b>  <b>[4] King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia</b>  <b>[5] King Saud Univ, Coll Engr, Adv Mfg Inst, Ctr Excellence Res Engr Mat, Riyadh, Saudi Arabia</b>  <b>[6] King Saud Univ, Coll Appl Med Sci, Dept Biomed Technol, Riyadh, Saudi Arabia</b>  [7] Hail Dent Ctr, Hail, Saudi Arabia  [8] Univ Turku, Inst Dent, Dept Biomat Sci,</p>	<b>Journal of Composite Materials</b>	Aug 2018	<b>1.613 Q-2</b>	Deanship of Scientific Research, King Saud University
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			Turku, Finland				
13	The effect of particle size on the dispersion and wear protection ability of MoS <sub>2</sub> particles in polyalphaolefin and trimethylolpropane ester	Gulzar, M. [1] Mahmood, Khalid [2] Zahid, Rehan [2] <b>Alabdulkarem, Abdullah [3]</b> Masjuki, H. H. [4] Kalam, M. A. [4] Varman, M. [4] Zulkifli, N. W. M. [4] Ahmad, Pervaiz [5] Malik, M. S. S. [6]	[1] Khawaja Fareed Univ Engr & Informat Technol, Rahimyarkhan, Pakistan  [2] Natl Univ Sci & Technol, H-12, Islamabad, Pakistan  <b>[3] King Saud Univ, Coll Engr, Mech Engr Dept, Riyadh, Saudi Arabia</b>  [4] Univ Malaya, Dept Mech Engr, Ctr Energy Sci, Kuala Lumpur, Malaysia  [5] Abbottabad Univ Sci & Technol, Dept Phys, Havelian, KPK, Pakistan  [6] Univ Engr & Technol, Fac Mech & Aeronaut Engr, Taxila, Pakistan	<b>Proceedings of the Institution of Mechanical Engineers Part J- Journal of Engineering Tribology</b>	Aug 2018	<b>1.318 Q-3</b>	ISPP at King Saud University 0030
14	Tribological compatibility analysis of conventional lubricant additives with palm trimethylolpropane ester (TMP) and tetrahedral amorphous diamond-like	Zahid, Rehan [1] Mufti, Riaz Ahmad [1] Gulzar, Mubashir [1]	[1] Natl Univ Sci & Technol, Sch Mech & Mfg Engr, Islamabad, Pakistan  [2] Univ Malaya, Dept	<b>Proceedings of the Institution of Mechanical Engineers Part J-</b>	Aug 2018	<b>1.318 Q-3</b>	NA

	carbon coating (ta-C)	Hassan, Masjuki Bin Haji [2] <b>Alabdulkarem, Abdullah [3]</b> Varman, Mahendra [2] Kalam, Md Abul [2] Zulkifli, Nurin Wahidah Binti Mohd [2] Yunus, Robiah [4]	Mech Engn, Ctr Energy Sci, Kuala Lumpur, Malaysia  <b>[3] King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh, Saudi Arabia</b>  [4] Univ Putra Malaysia, Inst Adv Technol, Serdang 43400, Malaysia	<b>Journal of Engineering Tribology</b>			
<b>15</b>	Comparative assessment of ethanol and isobutanol addition in gasoline on engine performance and exhaust emissions	Yusoff, M. N. A. M. [1] Zulkifli, N. W. M. [1] Masjuki, H. H. [1] Harith, M. H. [1] Syahir, A. Z. [1] Khuong, L. S. [1] Zaharin, M. S. M. [2] <b>Alabdulkarem, Abdullah [3]</b>	[1] Univ Malaya, Fac Engn, Dept Mech Engn, Kuala Lumpur 50603, Malaysia  [2] Univ Teknol MARA, Fac Mech Engn, Shah Alam 40450, Selangor, Malaysia  <b>[3] King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh 11421, Saudi Arabia</b>	<b>Journal of Cleaner Production</b>	July 2018	<b>5.651 Q-1</b>	University of Malaya, Malaysia
<b>16</b>	Effect of temperature on the mechanical properties of polypropylene-talc composites	Bouakkaz, A. O. [1] <b>Albedah, A. [2]</b> <b>Bouiadjra, B. Bachir [1,2]</b> <b>Khan, Sohail M. A. [2]</b>	[1] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, LMPM, Sidi Bel Abbes 22000, Algeria  <b>[2] King Saud</b>	<b>Journal of Thermoplastic Composite Materials</b>	July 2018	<b>0.912 Q-3</b>	KSU RGP-VPP-035

		<b>Benyahia, F. [2]</b> Elmeguenni, M. [1]	<b>Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia</b>				
<b>17</b>	Microstructural Evaluation of Inductively Sintered Aluminum Matrix Nanocomposites Reinforced with Silicon Carbide and/or Graphene Nanoplatelets for Tribological Applications	<b>Islam, Mohammad [1]</b> Khalid, Yasir [2,3] <b>Ahmad, Iftikhar [1]</b> <b>Almajid, Abdulhakim A. [4,5]</b> Achour, Amine [6] Dunn, Theresa J. [7] Akram, Aftab [8] <b>Anwar, Saqib [9]</b>	<b>[1] King Saud Univ, Ctr Excellence Res Engn Mat, Deanship Sci Res, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Univ Politecn Cataluna, Inst Energy Technol, Barcelona, Spain  [3] Univ Politecn Cataluna, Ctr Res Nanoengn, Barcelona, Spain  [4] Prince Sultan Univ, Coll Engn, POB 66833, Riyadh 11586, Saudi Arabia  <b>[5] King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [6] Univ Namur, Res Ctr Phys Matter & Radiat PMR, LISE Lab, B-5000 Namur, Belgium	<b>Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science</b>	July 2018	<b>1.887 Q-3</b>	KSU RGP- 283



			<p>[7] New Mexico Inst Min &amp; Technol, Dept Mat &amp; Met Engr, Socorro, NM 87801 USA</p> <p>[8] Natl Univ Sci &amp; Technol, Sch Chem &amp; Mat Engr, Islamabad 44000, Pakistan</p> <p><b>[9] King Saud Univ, Dept Ind Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
<b>18</b>	Artificial Intelligence Monitoring of Hardening Methods and Cutting Conditions and Their Effects on Surface Roughness, Performance, and Finish Turning Costs of Solid-State Recycled Aluminum Alloy 6061 Chips	<p><b>Abbas, Adel Taha [1]</b></p> <p>Pimenov, Danil Yurievich [2]</p> <p>Erdakov, Ivan Nikolaevich [3]</p> <p>Taha, Mohamed Adel [4]</p> <p><b>El Rayes, Magdy Mostafa [1]</b></p> <p><b>Soliman, Mahmoud Sayed [1]</b></p>	<p><b>[1] King Saud Univ, Coll Engr, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] South Ural State Univ, Dept Automated Mech Engr, Lenin Prosp 76, Chelyabinsk 454080, Russia</p> <p>[3] South Ural State Univ, Foundry Dept, Lenin Prosp 76, Chelyabinsk 454080, Russia</p> <p>[4] Zagazig Univ, Dept</p>	<b>Metals</b>	June 2018	<b>1.704 Q-3</b>	KSU, RG-1439-020 & Act 211 of the Government of the Russian Federation

			Mech Design & Prod, Fac Engn, Zagazig 44519, Egypt				
<b>19</b>	Effect of single tensile peak overload on the performance of bonded composite repair of cracked Al 2024-T3 and Al 7075-T6 plates	<b>Mohammed, Sohail M. A. Khan [1]</b> <b>Albedah, A. [1]</b> <b>Benyahia, F. [1]</b> <b>Bouiadjra, B. Bachir [1,2]</b>	<b>[1] King Saud Univ, Mech Engn Dept, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, LMPM, BP 89, Cite Ben Mhidi 22000, Sidi Bel Abbes, Algeria	<b>Composite Structures</b>	June 2018	<b>4.101 Q-1</b>	KSU RGP-VPP-035
<b>20</b>	Optimization of a multistage vapor-compression refrigeration system for various refrigerants	<b>Baakeem, Saleh S. [1]</b> <b>Orfi, Jamel [1]</b> <b>Alabdulkarem, Abdullah [1]</b>	<b>[1] King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Applied Thermal Engineering</b>	Mary2018	<b>0.418 Q-4</b>	DSR, College of Engineering Research Center
<b>21</b>	Effect of Heat Transfer on the First and Second Law Efficiency Analysis and Optimization of an Air-standard Atkinson Cycle	Hajipour, A. [1] Rashidi, M. M. [2] <b>Ali, M. E. [3]</b> Freidoonimehr, N. [4] Fallahian, M. [4]	[1] Islamic Azad Univ, Ayatollah Amoli Branch, Young Researchers & Elite Club, Amol, Iran  [2] Univ Birmingham, Sch Civil Engn, Birmingham B15 2TT, W Midlands, England  <b>[3] King Saud Univ, Dept Mech Engn,</b>	<b>High Temperature</b>	May 2018	<b>1.064 Q-4</b>	KSU RGP-080

			<b>Riyadh, Saudi Arabia</b> [4] Islamic Azad Univ, Hamedan Branch, Young Researchers & Elite Club, Hamadan, Iran				
<b>22</b>	ANN Surface Roughness Optimization of AZ61 Magnesium Alloy Finish Turning: Minimum Machining Times at Prime Machining Costs	<b>Abbas, Adel Taha [1]</b> Pimenov, Danil Yurievich [2] Erdakov, Ivan Nikolaevich [3] Taha, Mohamed Adel [4] <b>Soliman, Mahmoud Sayed [1]</b> <b>El Rayes, Magdy Mostafa [1]</b>	<b>[1] King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b> [2] South Ural State Univ, Dept Automated Mech Engr, Lenin Prosp 76, Chelyabinsk 454080, Russia [3] South Ural State Univ, Foundry Dept, Lenin Prosp 76, Chelyabinsk 454080, Russia [4] Zagazig Univ, Fac Engr, Dept Mech Design & Prod, Ash Sharqiyah 44519, Egypt	<b>Materials</b>	May 2018	<b>2.467 Q-2</b>	KSU RG-1439-020 & Act 211 Government of the Russian Federation
<b>23</b>	Metal/Carbon Hybrid Nanostructures Produced from Plasma-Enhanced Chemical Vapor Deposition over Nafion-Supported Electrochemically	<b>Islam, Mohammad [1]</b> Achour, Amine [2] <b>Saeed, Khalid [3]</b>	<b>[1] King Saud Univ, Sci Res, Ctr Excellence Res Engr Mat, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Materials</b>	May 2018	<b>2.467 Q-2</b>	King Saud University RGP-283

	Deposited Nanoparticles	Cobalt	Boujtita, Mohammed [4] Javed, Sofia [5] Djouadi, Mohamed Abdou [6]	[2] Univ Namur, Res Ctr Phys Matter & Radiat PMR, LISE Lab, B-5000 Namur, Belgium  [3] King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia  [4] Univ Nantes, UMR CNRS 6230, UFR Sci & Tech, CEISAM Chim & Interdisciplinarite Synth Anal Mode, Nantes 3, France  [5] Natl Univ Sci & Technol, Sch Chem & Mat Engn, Sect H-12, Islamabad 44000, Pakistan  [6] Inst Mat Jean Rouxel, UMR 6502, 2 Rue Houssiniere, BP 32229, F-44322 Nantes 3, France				
24	Effect of equal-channel angular pressing on the surface roughness of commercial purity aluminum during turning operation		Abbas, Adel Taha [1] Ragab, Adham Ezzat [2] El-Danaf, Ehab Adel [1] Al Bahkali, Essam Ali [1]	[1] King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Proceedings of the Institution of Mechanical Engineers Part B-	May 2018	1.445 Q-3	NA

			<b>[2] King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh, Saudi Arabia</b>	<b>Journal of Engineering Manufacture</b>			
<b>25</b>	MHD natural convection and entropy generation in an open cavity having different horizontal porous blocks saturated with a ferrofluid	Gibanov, Nikita S. [1] Sheremet, Mikhail A. [1] Oztop, Hakan F. [2] <b>Al-Salem, Khaled [3]</b>	[1] Tomsk State Univ, Lab Convect Heat & Mass Transfer, Tomsk 634050, Russia  [2] Firat Univ, Technol Fac, Dept Mech Engr, Elazig, Turkey  <b>[3] King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh, Saudi Arabia</b>	<b>Journal of Magnetism and Magnetic Materials</b>	Apr 2018	<b>3.046 Q-2</b>	Russian Foundation for Basic Research & ISPP at King Saud University 0030
<b>26</b>	Thermodynamic and economic analysis of the performance of a direct evaporative cooler working under extreme summer weather conditions	<b>Baakeem, Saleh S. [1]</b> <b>Orfi, Jamel [1]</b> <b>Bessadok-Jemai, Abdelbasset [2]</b>	<b>[1] King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia</b>  <b>[2] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Journal of Mechanical Science and Technology</b>	Apr 2018	<b>1.194 Q-3</b>	King Saud University, Deanship of Scientific Research, College of Engineering Research Center
<b>27</b>	Comprehensive assessment for motor and visually impaired people using a hierarchical model	Khan, Awais Ahmad [1] <b>Kbar, Ghassan Ali [2]</b> <b>Ahmad, Naveed [3,4]</b>	[1] Univ Engr & Technol, Dept Mech Engr, Lahore, Pakistan  <b>[2] King Saud Univ, Riyadh Techno Valley,</b>	<b>Universal Access in the Information Society</b>	Apr 2018	<b>1.176 Q-3</b>	King Abdulaziz City for Science and Technology 12-

			<p><b>Riyadh, Saudi Arabia</b></p> <p>[3] Univ Engn &amp; Technol, Ind &amp; Mfg Engn Dept, Lahore, Pakistan</p> <p>[4] <b>King Saud Univ, Princess Fatima Alnijriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia</b></p>				ELE3220-02
28	Effect of the patch length on the effectiveness of one-sided bonded composite repair for aluminum panels	<p><b>Albedah, Abdulmohsen [1]</b></p> <p><b>Mohammed, Sohail M. A. Khan [1]</b></p> <p>Bouiadjra, Bachir Bachir [2]</p> <p><b>Bouiadjra, Bel Abbbes Bachir [1,2]</b></p> <p><b>Benyahia, Faycal [1]</b></p>	<p>[1] <b>King Saud Univ, Coll Engn, Mech Engn Dept, Riyadh, Saudi Arabia</b></p> <p>[2] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, LMPM, BP 89, Cite Ben Mhidi 22000, Sidi Bel Abbes, Algeria</p>	<b>International Journal of Adhesion and Adhesives</b>	March 2018	<b>2.065 Q-2</b>	KSU RGP-VPP-035
29	Chemical and structural analyses of the graphene nanosheet/alumina ceramic interfacial region in rapidly consolidated ceramic nanocomposites	<p><b>Ahmad, Iftikhar [1]</b></p> <p><b>Islam, Mohammad [1]</b></p> <p><b>Alharthi, Nabeel H. [1,2]</b></p> <p>Alawadhi, Hussain [3]</p> <p>Subhani, Tayyab [4]</p> <p>Munir, Khurram S. [5]</p> <p>Shah, Syed Ismat [6]</p>	<p>[1] <b>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh, Saudi Arabia</b></p> <p>[2] <b>King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia</b></p> <p>[3] Univ Sharjah, Ctr</p>	<b>Journal of Composite Materials</b>	Feb 2018	<b>1.613 Q-2</b>	KSU RG-1437-028

		Inam, Fawad [7] Zhu, Yanqiu [8]	Adv Mat Res, Sharjah, U Arab Emirates  [4] Inst Space Technol, Dept Mat Sci & Engn, Composite Res Ctr, Islamabad, Pakistan  [5] RMIT Univ, Sch Engn, Bundoora, Vic 3083, Australia  [6] Univ Delaware, Dept Mat Sci & Engn, Newark, DE 19716 USA  [7] Northumbria Univ, Fac Engn & Environm, Dept Mech & Construct Engn, Newcastle Upon Tyne, Tyne & Wear, England  [8] Univ Exeter, Coll Engn Math & Phys Sci, Exeter, Devon, England				
<b>30</b>	Toward Dynamic Resources Management for IoT-Based Manufacturing	Wan, Jiafu [1] Chen, Baotong [1] <b>Imran, Muhammad [2]</b> Tao, Fei [4] Li, Di [1] Liu, Chengliang [5]	[1] South China Univ Technol, Sch Mech & Automot Engn, Guangzhou, Guangdong, Peoples R China  <b>[2] King Saud Univ, Riyadh, Saudi Arabia</b>  <b>[3] King Saud Univ,</b>	<b>IEEE Communications Magazine</b>	Feb 2018	<b>9.270 Q-1</b>	KSU RG1435-051 & National Natural Science Foundation of China

		<b>Ahmad, Shafiq [3]</b>	<b>Coll Engn, Riyadh, Saudi Arabia</b>  [4] Beihang Univ, Sch Automat Sci & Elect Engn, Beijing, Peoples R China  [5] Shanghai Jiao Tong Univ, Dept Mech Engn, Shanghai, Peoples R China				<b>&amp; Guangdong Natural Science Foundation</b>
<b>31</b>	Hydration induced morphological change on proppant surfaces employing a calcium-silicate cement system	Correas, Covadonga [1] Wright, Kourtney [2] Andreoli, Enrico [1] <b>Almutairi, Zeyad [3,4,5]</b> Sandnes, Bjornar [1] Barron, Andrew R. [1,2,6]	[1] Swansea Univ, Energy Safety Res Inst, Bay Campus, Swansea SA1 8EN, W Glam, Wales  [2] Rice Univ, Dept Chem, POB 1892, Houston, TX 77005 USA <b>[3] King Saud Univ, Dept Mech Engn, Riyadh 11421, Saudi Arabia</b>  <b>[4] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>  <b>[5] King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh</b>	<b>Colloids and Surfaces A-Physicochemical and Engineering Aspects</b>	Jan 2018	<b>2.829 Q-2</b>	Robert A. Welch Foundation & King Saud University



			<b>11421, Saudi Arabia</b> [6] Rice Univ, Dept Mat Sci & Nanoengn, Houston, TX 77005 USA				
<b>32</b>	Effect of Dental Implantology on The Biomechanical Behavior of Alveolar Bone	Drai, Abdelkader [1] Merdji, Ali [2,3] <b>Albedah, Abdulmohsen [4]</b> <b>Bouiadjra, Bel-Abbes Bachir [1,4]</b> <b>Benyahia, Faycal [4]</b> <b>Mohammed, Sohal Mazheralikhhan [4]</b>	[1] Univ Djillali Liabes Sidi Bel Abbes, LMPM, Sidi Bel Abbes, Algeria [2] Univ Mustapha Stambouli Mascara, Fac Sci & Technol, Mascara 29000, Algeria [3] Anglia Ruskin Univ, Med Engr Res Grp, Fac Sci & Technol, Bishop Hall Lane, Chelmsford, Essex, England <b>[4] King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh, Saudi Arabia</b>	<b>International Journal for Multiscale Computational Engineering</b>	Jan 2018	<b>1.016 Q-3</b>	KSU RGP-VPP-035
<b>33</b>	Taguchi Robust Design for Optimizing Surface Roughness of Turned AISI 1045 Steel Considering the Tool Nose Radius and Coolant as Noise Factors	<b>Abbas, Adel T. [1]</b> <b>Ragab, Adham E. [2]</b> <b>Benyahia, Faycal [1]</b> <b>Soliman, Mahmoud S. [1]</b>	<b>[1] King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia</b> <b>[2] King Saud Univ, Dept Ind Engr, Coll Engr, POB 800, Riyadh 11421, Saudi</b>	<b>Advances in Materials Science and Engineering</b>	Jan 2018	<b>1.372 Q-3</b>	KSU RG-1439-020

			<b>Arabia</b>				
<b>34</b>	Study of Particle Dynamics In a Swirling Fluidized Bed By Using a Mesh-Type Air Distributor	Naz, Muhammad Yasin [1] Sulaiman, Shaharin Anwar [2] <b>Khan, Yasin [3]</b> Ghaffar, Abdul [1] Jamil, Yasir [1] <b>Ahmad, Irfan [3]</b>	[1] Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan  [2] Univ Teknol Petronas, Dept Mech Engn, Bandar Seri Iskandar 32610, Perak, Malaysia  <b>[3] King Saud Univ, Coll Engn, Riyadh 11451, Saudi Arabia</b>	<b>Journal of Porous Media</b>	Jan 2018	<b>1.061 Q-4</b>	KSU RG1438-012
<b>35</b>	Optimisation of a Reinforced Cement Spacer in Total Hip Arthroplasty	Salah, H. [1] Bouziane, M. M. [1,2] Fekih, S. M. [1] <b>Bouiadjra, B. Bachir [1,3]</b> Benbarek, S. [1]	[1] Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, LMPM, BP 89, Cite Ben Mhidi 22000, Sidi Bel Abbes, Algeria  [2] Univ Mustapha Stambouli Masacra, Dept Mech Engn, Masacra, Algeria  <b>[3] King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia</b>	<b>Journal of Biomimetics Biomaterials and Biomedical Engineering</b>	Jan 2018	<b>Newly Included. Emerging ISI</b>	KSU DSR & National Science Foundation 1437-006
<b>36</b>	Tribological characteristics comparison of formulated palm trimethylolpropane ester and	Zahid, Rehan [1]	[1] Natl Univ Sci & Technol, Sch Mech & Mfg Engn, Islamabad,	<b>Industrial Lubrication and</b>	Jan 2018	<b>0.763 Q-4</b>	International Scientific

	polyalphaolefin for cam/tappet interface of direct acting valve train system	Hassan, Masjuki Hj [2] <b>Alabdulkarem, Abdullah [3]</b> Varman, Mahendra [2] Kalam, Md. Abul [2] Mufti, Riaz Ahmad [1] Zulkifli, Nurin Wahidah Mohd [2] Gulzar, Mubashir [2] Bhutta, Muhammad Usman [1] Ali, Mian Ashfaq [1] Abdullah, Usman [1] <b>Yunus, Robiah H. [3]</b>	Pakistan [2] Univ Malaya, Dept Mech Engr, Ctr Energy Sci, Kuala Lumpur, Malaysia  <b>[3] King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh, Saudi Arabia</b>	<b>Tribology</b>			Partnership Program at King Saud University (KSU), Saudi Arabia 0092 & University of Malaya
<b>37</b>	The Effect of Square Tube Location in a Vertical Array of Square Tubes on Natural Convection Heat Transfer	<b>Ali, Mohamed [1]</b> <b>Nuhait, Abdullah [1]</b> <b>Almuzaiqer, Redhwan [1]</b>	<b>[1] King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Heat Transfer Engineering</b>	Jan 2018	<b>1.216 Q-3</b>	KSU RGP-080
<b>38</b>	Temperature dependence on the mass susceptibility and mass magnetization of superparamagnetic Mn-Zn-ferrite nanoparticles as contrast agents for magnetic imaging of oil and gas reservoirs	Morrow, Lauren [1] Snow, Brendan [2] Ali, Arfan [3] Maguire-Boyle, Samuel J. [1] <b>Almutairi, Zeyad [4]</b> Potter, David K. [2]	[1] Rice Univ, Dept Chem, Houston, TX 77005 USA  [2] Univ Alberta, Dept Phys, Edmonton, AB, Canada  [3] Shell UK Ltd, Aberdeen, Scotland	<b>Journal of Experimental Nanoscience</b>	Jan 2018	<b>1.362 Q-3</b>	King Saud University through ISPP-87

		Barron, Andrew R. [1,5,6]	<p><b>[4] King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia</b></p> <p>[5] Rice Univ, Dept Mat Sci &amp; Nanoengn, Houston, TX 77005 USA</p> <p>[6] Swansea Univ, Energy Safety Res Inst, Coll Engr, Swansea, W Glam, Wales</p>				
<b>39</b>	Prediction of Cutting Conditions in Turning AZ61 and Parameters Optimization Using Regression Analysis and Artificial Neural Network	<p><b>Alharthi, Nabeel H. [1]</b></p> <p>Bingol, Sedat [2]</p> <p><b>Abbas, Adel T. [1]</b></p> <p><b>Ragab, Adham E. [3]</b></p> <p>Aly, Mohamed F. [4]</p> <p><b>Alharbi, Hamad F. [1]</b></p>	<p><b>[1] King Saud Univ, Coll Engr, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Dicle Univ, Dept Mech Engr, TR-21280 Diyarbakir, Turkey</p> <p><b>[3] King Saud Univ, Coll Engr, Dept Ind Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[4] Amer Univ Cairo, Sch Sci &amp; Engr, Dept Mech Engr, AUC Ave, POB 11835, New Cairo, Egypt</p>	<b>Advances in Materials Science and Engineering</b>	Jan 2018	<b>1.372 Q-3</b>	King Saud University, Deanship of Scientific Research, College of Engineering Research Center

40	Fabrication techniques and morphological analysis of perovskite absorber layer for high-efficiency perovskite solar cell	<p>Jamal, M. S. [1,2]  Bashar, M. S. [2]  Hasan, A. K. Mahmud [1]  <b>Almutairi, Zeyad A. [3,4]</b>  <b>Alharbi, Hamad F. [3]</b>  <b>Alharthi, Nabeel H. [3]</b>  <b>Karim, Mohammad R. [5]</b>  Misran, H. [6]  Amin, Nowshad [6]  Bin Sopian, Kamaruzzaman [1]  Akhtaruzzaman, Md. [1]</p>	<p>[1] Univ Kebangsaan Malaysia, Solar Energy Res Inst, Bangi 43600, Selangor, Malaysia  [2] Bangladesh Council Sci &amp; Ind Res, Inst Fuel Res &amp; Dev, Dhaka 1205, Bangladesh  <b>[3] King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  <b>[4] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>  <b>[5] King Saud Univ, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</b>  [6] Natl Energy Univ, Inst Sustainable Energy, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia</p>	<b>Renewable &amp; Sustainable Energy Reviews</b>	Dec 2018	<b>9.184 Q-1</b>	Fundamental Research Grant Scheme (FRGS) of the Ministry of Higher Education, Malaysia (MOHE)
41	Efficient detection and adsorption of cadmium(II) ions using innovative nano-composite materials	<p><b>Awual, Md. Rabiul [1,3]</b>  Khraisheh, Majeda [2]  <b>Alharthi, Nabeel H. [3]</b></p>	<p>[1] RENESA, Nada Ku, 3-3-22 Sakuraguchi Cho, Kobe, Hyogo 6570036, Japan</p>	<b>Chemical Engineering Journal</b>	July 2018	<b>6.735 Q-1</b>	International Scientific Partnership Program

		<p><b>Luqman, Monis [3]</b> Islam, Aminul [4]</p> <p><b>Karim, Mohammad Rezaul [5]</b> Rahman, Mohammed M. [6] Khaleque, Md. Abdul [7]</p>	<p>[2] Qatar Univ, Coll Engn, Dept Chem Engn, POB 2713, Doha, Qatar</p> <p><b>[3] King Saud Univ, Mech Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia</b></p> <p>[4] Jessore Univ Sci &amp; Technol, Dept Petr &amp; Min Engn, Jessore, Khulna, Bangladesh</p> <p><b>[5] King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</b></p> <p>[6] King Abdulaziz Univ, Fac Sci, Dept Chem, POB 80203, Jeddah 21589, Saudi Arabia</p> <p>[7] Independent Univ, Dept Environm Sci, Sch Environm Sci &amp; Management, Dhaka 1229, Bangladesh</p>				ISPP at King Saud University 87
42	Fabrication of core-shell structured nanofibers of poly (lactic acid) and poly (vinyl alcohol) by coa	<p><b>Alharbi, Hamad F. [1]</b> <b>Luqman, Monis [1]</b> Khalil, Khalil Abdelrazek [2]</p>	<p><b>[1] King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b></p>	<b>European Polymer Journal</b>	Jan 2018	<b>3.741 Q-1</b>	KSU RGP-1438-035

	xialelectrospinning for tissue engineering	<p><b>Elnakady, Yasser A. [3]</b></p> <p><b>Abd-Elkader, Omar H. [3]</b></p> <p><b>Rady, Ahmed M. [3]</b></p> <p><b>Alharthi, Nabeel H. [1]</b></p> <p><b>Karim, Mohammad R. [4]</b></p>	<p>[2] Univ Sharjah, Coll Engn, Mech Engn Dept, Sharjah 27272, U Arab Emirates</p> <p>[3] King Saud Univ, Coll Sci, Dept Zool, Riyadh 11451, Saudi Arabia</p> <p>[4] King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</p>				
<b>43</b>	Viscoelastic behavior of core-shell structured nanofibers of P LA and PVA produced by coaxialelectrospinning	<p><b>Alharbi, Hamad F. [1]</b></p> <p><b>Luqman, Monis [1]</b></p> <p><b>Fouad, H. [2,3]</b></p> <p>Khalil, Khalil Abdelrazek [4]</p> <p><b>Alharthi, Nabeel H. [1]</b></p>	<p>[1] King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[2] King Saud Univ, Riyadh Community Coll, Dept Appl Med Sci, Riyadh 11437, Saudi Arabia</p> <p>[3] Helwan Univ, Dept Biomed Engn, Fac Engn, POB 11792, Helwan, Egypt</p> <p>[4] Univ Sharjah, Coll Engn, Mech Engn Dept, Sharjah 27272, U Arab Emirates</p>	<b>Polymer Testing</b>	May 2018	<b>2.247 Q-2</b>	KSU RGP-1438-035

44	Experimental and Numerical Study of Texture Evolution and Anisotropic Plastic Deformation of Pure Magnesium under Various Strain Paths	Alharbi, Hamad F. [1] Luqman, Monis [1] El-Danaf, Ehab [1] Alharthi, Nabeel H. [1]	[1] King Saud Univ, Mech Engr Dept, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Advances in Materials Science and Engineering	Jan 2018	1.372 Q-3	Deanship of Scientific Research at King Saud University NFG-15-03- 11
45	Antibiofilm activity of synthesized electrospun core-shell nanofiber composites of PLA and PVA with silver nanoparticles	Alharbi, Hamad F. [1] Luqman, Monis [1] Khan, Shams Tabrez [2]	[1] King Saud Univ, Mech Engr Dept, POB 800, Riyadh 11421, Saudi Arabia  [2] Aligarh Muslim Univ, Dept Agr Microbiol, Aligarh 202002, Uttar Pradesh, India	Materials Research Express	Sep 2018	1.151 Q-4	RGP RGP- 1438-035
46	Free convection heat transfer inside square water-filled shallow enclosures	Ali, Mohamed El-Sayed [1] Nuhait, Abdullah O. [1] Alabdulkarem, Abdullah [1] Almuzaiqer, Redhwan [1]	[1] King Saud Univ, Coll Engr, Mech Engr Dept, Riyadh, Saudi Arabia	Plos One	Oct 2018	2.766 Q-1	KSU RGP- 080
47	Thermal analysis, microstructure and acoustic characteristics of some hybrid natural insulating materials	Alabdulkarem, Abdullah [1] Ali, Mohamed [1] Iannace, Gino [2] Sadek, Shereef [1] Almuzaiqer, Redhwan [1]	[1] King Saud Univ, Coll Engr, Mech Engr Dept, POB 800, Riyadh 11421, Saudi Arabia  [2] Univ Campania Luigi Vanvitelli, Dept Architecture & Ind Design, I-81031 Aversa,	Construction and Building Materials	Oct 2018	3.485 Q-1	KSU RGP-080



			Italy				
48	Impacts of moving wall and heat-generating element on heat transfer and entropy generation of Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O nanofluid	Darya S. Bondarenko [1] Mikhail A. Sheremet [1] Hakan F. Oztop [2] <b>Mohamed E. Ali [3]</b>	[1].Laboratory on Convective Heat and Mass TransferTomsk State UniversityTomskRussia  [2] Department of Mechanical Engineering, Technology FacultyFirat UniversityElazigTurkey  <b>[3] Department of Mechanical EngineeringKing Saud UniversityRiyadhSaudi Arabia</b>	<b>Journal of Thermal Analysis and Calorimetry</b>	Sep 2018	<b>2.209 Q-2</b>	N/A
49	Control of combined convection in a nanofluid-filled lid-driven closed space via rectangular bar in the presence of magnetic field	Shafqat Hussain [1] Hakan F. Öztop [2] Khalid Mehmood [1] <b>Mohamed E. Ali [3]</b>	[1] Department of MathematicsCapital University of Science and TechnologyIslamabadPakistan  [2] Department of Mechanical Engineering, Technology FacultyFirat UniversityElazigTurkey  <b>[3] Department of Mechanical EngineeringKing Saud</b>	<b>Journal of Thermal Analysis and Calorimetry</b>	Nov 2018	<b>2.209 Q-2</b>	N/A

			UniversityRiyadh,Saudi Arabia				
50	Enhancement of heavy metal ion adsorption using electrospun polyacrylonitrile nanofibers loaded with ZnO nanoparticles	Haddad, Mustafa Y. [1] <b>Alharbi, Hamad F. [2]</b>	[1] KACST, Natl Ctr Adv Mat Technol, POB 6086, Riyadh 11442, Saudi Arabia  [2] King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	<b>Journal of Applied Polymer Science</b>	Nov 2018 Online	<b>1.901 Q-2</b>	RGP RGP-1438-035
51	Preparation of TiO <sub>2</sub> incorporated polyacrylonitrile electrospun nanofibers for adsorption of heavy metal ions	<b>Haddad, Mustafa Y. [1,2]</b> <b>Alharbi, Hamad F. [2]</b> <b>Karim, Mohammad R. [3]</b> <b>Aijaz, Muhammed O. [3]</b> <b>Alharthi, Nabeel H. [2]</b>	[1] KACST, Natl Ctr Adv Mat Technol, POB 6086, Riyadh 11442, Saudi Arabia  [2] King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia  [3] King Saud Univ, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia	<b>Journal of Polymer Research</b>	Sep 2018 Online	<b>1.434 Q-3</b>	RGP RGP-1438-035
52	Thermal analysis, microstructure and acoustic characteristics of some hybrid natural insulating materials	<b>Alabdulkarem, Abdullah [1]</b> <b>Ali, Mohamed [1]</b> Iannace, Gino [2] <b>Sadek, Shereef [1]</b> <b>Almuzaiqer, Redhwan [1]</b>	[1] King Saud Univ, Coll Engn, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia  [2] Univ Campania Luigi Vanvitelli, Dept Architecture & Ind Design, I-81031 Aversa,	<b>Construction and Building Materials</b>	Oct 2018	<b>3.485 Q-1</b>	KSU RGP-080

			Italy				
53	Preparation of TiO <sub>2</sub> incorporated polyacrylonitrile electrospun nanofibers for adsorption of heavy metal ions	<p><b>Haddad, Mustafa Y. [1,2]</b></p> <p><b>Alharbi, Hamad F. [2]</b></p> <p><b>Karim, Mohammad R. [3]</b></p> <p><b>Aijaz, Muhammed O. [3]</b></p> <p><b>Alharthi, Nabeel H. [2]</b></p>	<p>[1] KACST, Natl Ctr Adv Mat Technol, POB 6086, Riyadh 11442, Saudi Arabia</p> <p>[2] King Saud Univ, Mech Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>[3] King Saud Univ, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</p>	<b>Journal of Polymer Research</b>	Sep 2018	<b>1.434 Q-3</b>	KSU RGP-1438-035

# **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 HFRC Slabs Against Projectile Impact	Siddiqui, Nadeem A. [1] Al-Salloum, Yousef A. [1] Almusallam, Tarek H. [1] Abadel, Aref A. [1] Abbas, Husain [1]	[1] King Saud Univ, Dept Civil Engr, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh 11421, Saudi Arabia	International Journal of Concrete Structures And Materials	Dec 2018	2.360 Q-2	DSR Chair of Research at CED
2	Behavior of FRP-Strengthened RC Beams with Large Rectangular Web Openings in Flexure Zones: Experimental and Numerical Study	Almusallam, Tarek [1] Al-Salloum, Yousef [1] Elsanadedy, Hussein [1] Alshenawy, Abdulhafiz [1] Iqbal, Rizwan [1]	[1] King Saud Univ, Dept Civil Engr, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh 11421, Saudi Arabia	International Journal of Concrete Structures and Materials	Dec 2018	2.360 Q-2	DSR Chair of Research at CED
3	Long-term deflection of prestressed SCC hollow core slabs	Al-Negheimish, Abdulaziz I. [1,2] El-Sayed, Ahmed K. [1] Khanbari, Majed O. [2] Alhozaimy, Abdulrahman M. [1,2]	[1] King Saud Univ, Dept Civil Engr, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia [2] King Saud	Construction and Building Materials	Nov 2018	3.485 Q-1	King Abdulaziz City for Science and Technology (KACST) AR-34-326

			<b>Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia</b>				
<b>4</b>	Use of Basalt Fibers in Fiber-Reinforced Concrete	Pickel, Daniel J. [1] West, Jeffrey S. [2] <b>Alaskar, Abdulaziz [3]</b>	[1] Univ Waterloo, Civil & Environm Engn, Waterloo, ON, Canada  [2] Wiss Janney Elstner & Associates Inc, Austin, TX USA  [3] <b>King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia</b>	<b>ACI Materials Journal</b>	Nov 2018	<b>1.252 Q-3</b>	Ontario Centres of Excellence & Mafic (Canada) Inc.
<b>5</b>	Protection against Reinforcement Corrosion Using Phosphoric Acid-Based Rust Converter	Alhozaimy, A. [1,2] Hussain, R. R. [2] Al-Negheimish, A. [1,2] Singh, J. K. [3] Singh, D. D. N. [4]	[1] <b>King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia</b>  [2] <b>King Saud Univ, Coll Engn, Res, Ctr Excellence Concrete Res &amp; Testing CoE CRT, Riyadh, Saudi Arabia</b>  [3] Hanyang Univ, Seoul, South Korea  [4] CSIR, Natl Met Lab, Madras, Tamil Nadu, India	<b>ACI Materials Journal</b>	Nov 2018	<b>1.252 Q-3</b>	Center of Excellence for Concrete Research and Testing (CoE-CRT), College of Engineering, King Saud University
<b>6</b>	Experimental Investigation on Vulnerability of Precast RC	<b>Almusallam, Tarek H. [1]</b>	[1] <b>King Saud Univ, Dept Civil Engn,</b>	<b>KSCE Journal Of</b>	Oct 2018	<b>0.940 Q-3</b>	NPST 12-

	Beam-column Joints to Progressive Collapse	Elsanadedy, Hussein M. [1] Al-Salloum, Yousef A. [2] Siddiqui, Nadeem A. [1] Iqbal, Rizwan A. [1]	Riyadh 11421, Saudi Arabia [2] King Saud Univ, Dept Civil Engn, Res & Studies Strengthening & Rehabil Struct, Riyadh 11421, Saudi Arabia	Civil Engineering			BUI2620-02
7	Closure to "Expansive Soil Foundation Practice in a Semiarid Region"	Dafalla, Muawia [1,2] Al Shamrani, Mosleh A. [1,3,4] Al-Mahbashi, Ahmed [2]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia [2] King Saud Univ, Coll Engn, Dept Civil Engn, Expans Soils, Riyadh 11421, Saudi Arabia	Journal of Performance of Constructed Facilities	Oct 2018	1.197 Q-3	Deanship of Scientific Research at King Saud University through the Research Chair Program of King Saud University
8	Structural behavior of prestressed SCC hollow core slabs	Al-Negheimish, Abdulaziz I. [1,2] El-Sayed, Ahmed K. [1] Khanbari, Majed O. [2] Alhozaimy, Abdulrahman M. [1,2]	[1] King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia [2] King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Sep 2018	3.485 Q-1	King Abdulaziz City for Science and Technology (KACST) AR-34-326

9	Comparative evaluation of resilience metrics for water distribution systems using a pressure driven demand-based reliability approach	<b>Bin Mahmoud, Abdulrahman A. [1,2]</b> Piratla, Kalyan R. [1]	[1] Clemson Univ, Glenn Dept Civil Engn, Clemson, SC 29634 USA  [2] King Saud Univ, Civil Engn Dept, Riyadh 11451, Saudi Arabia	<b>Journal of Water Supply Research and Technology-Aqua</b>	Sep 2018	<b>1.179 Q-3</b>	National Science Foundation (NSF)
10	Bias adjustment of satellite-based precipitation estimation using artificial neural networks-cloud classification system over Saudi Arabia	<b>Alharbi, Raied [1,2]</b> Hsu, Kuolin [2] Sorooshian, Soroosh [2]	[1] King Saud Univ, Dept Civil Engn, Riyadh 12372, Saudi Arabia  [2] Univ Calif Irvine, Dept Civil & Environm Engn, E-4130 Engn Gateway, Irvine, CA 92697 USA	<b>Arabian Journal of Geosciences</b>	Oct 2018	<b>0.860 Q-4</b>	King Saudi University (KSU) (SACM)
11	Visual-Based Evaluation Method for Optimizing the Dosage of PCE-Based Superplasticizer for SCC Paste and Concrete Mixtures	<b>Al-Negheimish, A. I. [1]</b> <b>Fares, G. [2]</b> <b>Alhozaimy, A. M. [1]</b> <b>Khan, M. Iqbal [1]</b>	[1] King Saud Univ, Dept Struct Engn, Ctr Excellence Concrete Res & Testing, Dept Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia  [2] King Saud Univ, Ctr Excellence Concrete Res & Testing, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	<b>Journal of Materials In Civil Engineering</b>	Aug 2018	<b>1.763 Q-2</b>	King Abdulaziz City for Science and Technology (KACST) DRP-3-9



12	Seasonal Forecasting of Rainfall and Runoff Volumes in Riyadh Region, KSA	<b>Fouli, Hesham [1,2]</b> <b>Fouli, Rabie [1,3]</b> <b>Bashir, Bashar [1,2]</b> Loni, Oumar A. [1,4]	<b>[1] King Saud Univ, Chair Prince Sultan Bin Abdulaziz Int Prize Water, Prince Sultan Inst Environm Water &amp; Desert Res, POB 2454, Riyadh 11451, Saudi Arabia</b>  <b>[2] King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [3] WMO Environm & Meteorol Experta, Riyadh, Saudi Arabia  [4] King Abdulaziz City Sci & Technol, POB 6086, Riyadh 11442, Saudi Arabia	<b>KSCE Journal of Civil Engineering</b>	July 2018	<b>0.940 Q-3</b>	Chair of Prince Sultan Bin Abdulaziz International Prize for Water of Prince Sultan Institute for Environmental, Water and Desert Research at King Saud University
13	Optimizing the Scheduling of Repetitive Construction to Minimize Interruption Cost	<b>Altuwaim, Ayman [1,2]</b> El-Rayes, Khaled [1]	[1] Univ Illinois, Dept Civil & Environm Engn, Urbana, IL 61801 USA  <b>[2] King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia</b>	<b>Journal of Construction Engineering and Management</b>	July 2018	<b>2.201 Q-2</b>	KACST, Riyadh, Saudi Arabia T-T-12-0002
14	Coupled effect of coarse aggregate and micro-silica on the relation between strength and elasticity of high performance concrete	<b>Hussain, Raja Rizwan [1]</b> <b>Shuraim, Ahmed B. [2]</b> <b>Aslam, Fahid [2]</b>	<b>[1] King Saud Univ, Coll Engn, Civil Engn Dept, CoE CRT, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Construction and Building Materials</b>	June 2018	<b>3.485 Q-1</b>	NPST program by King Saud University 08-

		<b>Alhozaimy, Abdulrahman M. A. [2]</b> <b>Al-Humaiqani, Mohammed M. [2]</b>	<b>[2] King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia</b>				ADV208-02
<b>15</b>	Experimental study to investigate the engineering and durability performance of concrete using synthetic aggregates	<b>Alqahtani, Fahad K. [1]</b> Ghataora, Gurmel [2] Dirar, Samir [2] <b>Khan, M. Iqbal [1]</b> Zafar, Idrees [3]	<b>[1] King Saud Univ, Dept Civil Engr, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Univ Birmingham, Dept Civil Engr, Birmingham B15 2TT, W Midlands, England  [3] Al Imam Mohammad Ibn Saud Univ, Dept Civil Engr, POB 5701, Riyadh 11432, Saudi Arabia	<b>Construction and Building Materials</b>	June 2018	<b>3.485 Q-1</b>	King Saud University (through the Saudi Cultural Bureau in Canada)
<b>16</b>	High-strength steel-fibre-reinforced concrete: potential use for ground slabs applications	<b>Aldossari, Khaled M. [1]</b> Elsaigh, Walied A. [2] <b>Alshannag, Mohammad J. [1]</b>	<b>[1] King Saud Univ, Fac Engr, Riyadh, Saudi Arabia</b>  [2] Univ South Africa, Dept Civil Engr, Johannesburg, South Africa	<b>Proceedings of the Institution of Civil Engineers-Transport</b>	June 2018	<b>0.239 Q-4</b>	Faculty of engineering of the King Saud University
<b>17</b>	Shear Repairing and Strengthening of Reinforced Concrete Beams Using SIFCON	Al-Rousan, Rajai Z. [1] <b>Shannag, Mohammad J. [2]</b>	[1] Jordan Univ Sci & Technol, Dept Civil Engr, Irbid, Jordan  <b>[2] King Saud</b>	<b>Structures</b>	Jul 2018	<b>New/Emerging ISI Journal</b>	NPST-12-BUI2620-02

			Univ, Dept Civil Engn, Riyadh, Saudi Arabia				
18	Effectiveness of CFRP Strengthening in Improving Cyclic Compression Response of Slender RC Columns	Al-Salloum, Yousef A. [1] Al-Amri, Ghaithan S. [1] Siddiqui, Nadeem A. [1] Almusallam, Tarek H. [1] Abbas, Husain [1]	[1] King Saud Univ, Dept Civil Engn, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia	Journal of Composites for Construction	June 2018	2.592 Q-1	Deanship of Scientific Research Chairs at King Saud University, Saudi Arabia
19	Role of Cementation and Suction in the Swelling Behavior of Lime-Treated Expansive Soils	Elkady, Tamer Y. [1] Shaker, Abdullah A. [1]	[1] King Saud Univ, Dept Civil Engn, Coll Engn, Engineer Abdullah Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421	Journal of Materials in Civil Engineering	June 2018	1.763 Q-2	National Plan for Science, Technology 11-BUI-1901-02
20	Simplex-lattice strength and permeability optimization of concrete incorporating silica fume and natural pozzolan	Abbas, Yasser. M. [1]	[1] King Saud Univ, Dept Civil Engn, Riyadh 80011421, Saudi Arabia	Construction and Building Materials	Apr 2018	3.485 Q-1	DSR Chairs at KSU, Saudi Arabia
21	Evaluation of mechanical properties of steel fiber reinforced concrete with different strengths of concrete	Abbass, Wasim [1] Khan, M. Iqbal [1] Mourad, Shehab [1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Apr 2018	3.485 Q-1	KSU, RGP-VPP-105
22	Strengthening of precast RC beam-column connections for progressive collapse mitigation using bolted steel plates	Al-Salloum, Yousef A. [1] Alrubaidi, Mohammed A. [1]	[1] King Saud Univ, Coll Engn, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc, POB	Engineering Structures	Apr 2018	2.755 Q-1	NPST 12-BUI2620-02

		<b>Elsanadedy, Hussein M. [1]</b> <b>Almusallam, Tarek H. [1]</b> <b>Iqbal, Rizwan A. [1]</b>	<b>800, Riyadh 11421,</b> <b>Saudi Arabia</b>				
<b>23</b>	Minimizing duration and crew work interruptions of repetitive construction projects	<b>Altuwaim, Ayman [1,2]</b> El-Rayes, Khaled [1]	[1] Univ Illinois, Dept Civil & Environm Engn, Urbana, IL 61801 USA  [2] <b>King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia</b>	<b>Automation in Construction</b>	Apr 2018	<b>4.032 Q-1</b>	NA
<b>24</b>	Editorial	<b>Hussain, Raja Rizwan [1]</b>	[1] <b>King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia</b>	<b>Proceedings of the Institution of Civil Engineers- Structures and Buildings</b>	Mar 2018	<b>0.674 Q-4</b>	N/A
<b>25</b>	Effect of polypropylene fibre reinforcement on the consolidation, swell and shrinkage behaviour of lime-blended expansive soil	<b>Moghal, Arif Ali Baig [1]</b> Chittoori, Bhaskar C. S. [2] Basha, B. Munwar [3] <b>Al-Mahbashi, Ahmed M. [1]</b>	[1] <b>King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia</b>  [2] Boise State Univ, Dept Civil Engn, Boise, ID USA  [3] Indian Inst Technol, Dept Civil Engn, Hyderabad, India	<b>International Journal of Geotechnical Engineering</b>	Jan 2018	<b>New / Emerging ISI Journal</b>	Deanship of Scientific Research, King Saud University
<b>26</b>	Effect of fibre reinforcement on	<b>Moghal, Arif Ali Baig [1]</b>	[1] <b>King Saud</b>	<b>Road</b>	Jan 2018	<b>2.199</b>	NPST

	CBR behaviour of lime-blended expansive soils: reliability approach	Chittoori, Bhaskar C. S. [2] Basha, B. Munwar [3]	<b>Univ, Dept Civil Engn, Coll Engn, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia</b>  [2] Boise State Univ, Dept Civil Engn, Boise, ID 83725 USA  [3] IIT Hyderabad, Dept Civil Engn, Sangareddy 502285, Telangana, India	<b>Materials and Pavement Design</b>		<b>Q-2</b>	11BUI1489-02
27	Skin friction behavior of pile fully embedded in limestone	<b>AlShenawy, Abdulhafiz [1]</b> <b>Hamid, Wagdi [1]</b> <b>Alnuaim, Ahmed [1]</b>	<b>[1] King Saud Univ, Dept Civil Engn, Riyadh 11421, Saudi Arabia</b>	<b>Arabian Journal of Geosciences</b>	Mar 2018	<b>0.860 Q-4</b>	College of Engineering Research Center and DSR at KSU
28	Trends of Moisture and Electrical Conductivity in Clay Liners	<b>Dafalla, Muawia [1]</b> <b>Al-Mahbashi, Ahmed [1]</b> <b>Al-Shamrani, Mosleh [1]</b>	<b>[1] King Saud Univ, Bugshan Res Chair Expans Soils, Civil Engn, Riyadh, Saudi Arabia</b>	<b>Geofluids</b>	2018	<b>2.540 Q-2</b>	DSR at King Saud through the Research Chair
29	Assessment of Flow Through Clay-sand Liners using Laboratory Models	<b>Dafalla, Muawia [1]</b> <b>Obaid, Ali [2]</b>	<b>[1] King Saud Univ, Expans Soils, Civil Engn, Riyadh 11421, Saudi Arabia</b>  <b>[2] King Saud Univ, Civil Engn, Riyadh 11421, Saudi Arabia</b>	<b>KSCE Journal of Civil Engineering</b>	May 2018	<b>0.940 Q-3</b>	NPST ENV 1183

30	Influence of Wetting and Drying on Swelling Parameters and Structure Performance	<b>Dafalla, Muawia [1]</b> <b>Shaker, Abdullah A. [1]</b> <b>Al-Shamrani, Mosleh [1]</b>	<b>[1] King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Journal of Performance of Constructed Facilities</b>	Nov 2018 Online	<b>1.197 Q-3</b>	Deanship of Scientific Research at King Saud University
31	Study Of Water Flow and Retention in Clay-Sand Liners	<b>Dafalla, Muawia [1]</b> Abdel-Nasser, Gamal G. [2] <b>Al-Mahbashi, Ahmed [3]</b>	<b>[1] King Saud Univ, Bugshan Res Chair Expans Soils, Civil Engn, Riyadh, Saudi Arabia</b>  [2] Alexandria Univ, Soil & Agr Chem Dept, Alexandria, Egypt  <b>[3] King Saud Univ, Civil Engn Dept, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia</b>	<b>International Journal of Geomate</b>	Mar 2018	<b>New/Emerging ISI Journal</b>	NPST ENV 1183
32	Performance of micropiled rafts in clay: Numerical investigation	<b>Alnuaim, A. M. [1,2]</b> El Naggar, M. H. [3] El Naggar, H. [4]	<b>[1] King Saud Univ, Coll Engn, Civil Engn Dept, Riyadh, Saudi Arabia</b>  [2] Western Univ, 1151 Richmond St, London, ON N6A 5B9, Canada  [3] Univ Western Ontario, Dept Civil & Environm Engn, 1151 Richmond St, London,	<b>Computers and Geotechnics</b>	July 2018	<b>3.138 Q-1</b>	Canada (NSERC) & King Saud University, Riyadh, Saudi Arabia through the Saudi Cultural Bureau in

			ON N6A 5B9, Canada [4] Dalhousie Univ, Dept Civil & Resource Engn, 1360 Barrington St, Halifax, NS B3H 4R2, Canada				Canada
33	Hysteresis soil-water characteristic curves of highly expansive clay	Al-Mahbashi, Ahmed M. [1] Elkady, Tamer Y. [1] Al-Shamrani, Mosleh A. [1]	[1] King Saud Univ, Coll Engn, Civil Engn Dept, Engn Abdullah Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia	European Journal of Environmental and Civil Engineering	2018	1.290 Q-3	King Saud University
34	Observations on crack branching of zirconia coating manufactured by plasma spray technology	El-Sheikhy, R., Kobayashi, A. [1]	[1] King Saud Univ, Coll Engn, Civil Engn Dept, Engn Abdullah Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia	Vacuum	Apr 2018	2.067 Q-2	KSU Research Chairs and BRCES research chair.
35	Effect of Reinforcing Bar Microstructure on Passive Film Exposed to Simulated Concrete Pore Solution	Hussain, R. R [1] Singh, J. K. [2] Alhozaimy, A. [1] Al-Negheimish, A. [1] Bhattacharya, C. [2] Pathania, R. S. [2] Singh, D. D. N. [2]	[1] King Saud Univ, Coll Engn, Civil Engn Dept, CoE CRT, POB 800, Riyadh 11421, Saudi Arabia  [2] CSIR, Natl Met Lab, Madras, Tamil Nadu, India	ACI Materials Journal	Apr 2018	1.252 Q-3	KSU Research Chairs and BRCES research chair.

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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	Microstructural features of friction stir welded dissimilar Aluminium alloys AA2219-AA7475	Khan, Noor Zaman [1] Ubaid, Mohammed [1] Siddiquee, Arshad Noor [1] Khan, Zahid A. [1] <b>Al-Ahmari, Abdulrahman [2]</b> Chen, Xizhang [3] <b>Abidi, Mustufa Haider [2]</b>	[1] Jamia Millia Islamia, Dept Mech Engn, New Delhi, India  <b>[2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijris Res Chair Adv Mfg Techno, Riyadh 11421, Saudi Arabia</b>  [3] Wenzhou Univ, Sch Mech & Elect Engn, Wenzhou, Peoples R China	<b>Materials Research Express</b>	May 2018	<b>1.151 Q-4</b>	Deanship of Scientific Research, King Saud University
2	Electric discharge machining of titanium and its alloys: review	Abu Qudeiri, Jaber E. [1] Mourad, Abdel-Hamed I. [1] Ziout, Aiman [1] <b>Abidi, Mustufa Haider [2]</b> Elkaseer, Ahmed [3,4]	[1] United Arab Emirates Univ, Dept Mech Engn, Coll Engn, POB 1551, Al Ain, U Arab Emirates  <b>[2] King Saud Univ, Adv Mfg Inst, Adv Mfg Technol FARCAMT, Riyadh 11421, Saudi</b>	<b>International Journal of Advanced Manufacturing Technology</b>	Apr 2018	<b>2.601 Q-2</b>	United Arab Emirates University, Al Ain, UAE  31N233

			<p><b>Arabia</b></p> <p>[3] Port Said Univ, Dept Prod Engn &amp; Mech Design, Fac Engn, Port Said 42523, Egypt</p> <p>[4] Karlsruhe Inst Technol, Inst Automat &amp; Appl Informat, D-76344 Karlsruhe, Germany</p>				
3	State of The Art of En-Situ Aluminium Matrix Composite Fabrication Through Friction Stir Processing	<p>Gangil, N. [1]</p> <p>Siddiquee, A. Noor [2]</p> <p>Maheshwari, S. [1]</p> <p><b>Al-Ahmari, Abdulrahman M. [3]</b></p> <p><b>Abidi, M. H. [3]</b></p>	<p>[1] Netaji Subhas Inst Technol, Dept Mfg Proc &amp; Automat Engn, New Delhi 110078, India</p> <p>[2] Jamia Millia Islamia, Dept Mech Engn, New Delhi 110025, India</p> <p><b>[3] King Saud Univ, Adv Mfg Inst, Princess Fatimaalnijiriss Res Chair Adv Mfg Techn, Riyadh, Saudi Arabia</b></p>	<b>Archives of Metallurgy and Materials</b>	Jan 2018	<b>0.625 Q-4</b>	Deanship of Scientific Research, King Saud University & University Grants Commission (UGC) under its SAP (DRS-I)
4	Influence of Shopping Bags Carrying on Human Responses While Walking	<p><b>Ramadan, Mohamed Z. [1]</b></p> <p>Khalaf, Tamer M. [2]</p> <p><b>Ragab, Adham M. [1]</b></p> <p><b>AbdElgawad, AbdElatty A. [1]</b></p>	<p><b>[1] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia</b></p> <p>[2] Al Azhar Univ, Dept Mech Engn, Coll Engn,</p>	<b>Journal of Healthcare Engineering</b>	2018	<b>1.261 Q-4</b>	Research center in the College of Engineering at King Saud

			Cairo, Egypt				University
5	Investigation on the Effect of Tool Pin Profiles on Mechanical and Microstructural Properties of Friction Stir Butt and Scarf Welded Aluminium Alloy 6063	<p><b>Goel, Pankul [1]</b> Siddiquee, Arshad Noor [2] Khan, Noor Zaman [2] Hussain, Mohd Azmal [3] Khan, Zahid A. [2]</p> <p><b>Abidi, Mustufa Haider [4]</b> <b>Al-Ahmari, Abdulrahman [4]</b></p>	<p>[1] IMS Engn Coll, Dept Mech Engn, Natl Highway 24, Ghaziabad 201009, India</p> <p>[2] Jamia Millia Islamia, Dept Mech Engn, New Delhi 110025, India</p> <p>[3] Noida Inst Engn &amp; Technol, Dept Mech Engn, Greater Noida 201306, Uttar Pradesh, India</p> <p><b>[4] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijriss Res Chair Adv Mfg Techn, Riyadh 11421, Saudi Arabia</b></p>	<b>Metals</b>	Jan 2018	<b>1.704 Q-3</b>	King Saud University
6	Implementing Traceability Systems in Specific Supply Chain Management (SCM) through Critical Success Factors (CSFs)	<p>Khan, Shahbaz [1] Haleem, Abid [1] Khan, Mohd Imran [1]</p> <p><b>Abidi, Mustufa Haider [2]</b> <b>Al-Ahmari, Abdulrahman</b></p>	<p>[1] Jamia Millia Islamia, Fac Engn &amp; Technol, Dept Mech Engn, New Delhi 110025, India</p> <p><b>[2] King Saud Univ, Adv Mfg Inst, Princess</b></p>	<b>Sustainability</b>	Sep 2018	<b>2.075 Q-3</b>	Raytheon Chair for Systems Engineering

		[3]	<p>Fatima Alnijriss Res Chair Adv Mfg Techn, Riyadh 11421, Saudi Arabia</p> <p>[3] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn, Riyadh 11421, Saudi Arabia</p>				
7	Accuracy of computer-aided design models of the jaws produced using ultra-low MDCT doses and ASIR and MBIR	<p>Al-Ekrish, Asma'a A. [1] Alfadda, Sara A. [2] Ameen, Wadea [3] Hoermann, Romed [4] Puelacher, Wolfgang [5] Widmann, Gerlig [6]</p>	<p>[1] King Saud Univ, Dept Oral Med &amp; Diagnost Sci, Coll Dent, Riyadh 11545, Saudi Arabia</p> <p>[2] King Saud Univ, Dept Prosthet Dent Sci, Coll Dent, Riyadh 11545, Saudi Arabia</p> <p>[3] King Saud Univ, Adv Mfg Inst, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia</p> <p>[4] Med Univ Innsbruck, Div Clin &amp; Funct Anat, Mullerstr 59, A-6020 Innsbruck, Austria</p> <p>[5] Med Univ Innsbruck, Dept CMF Surg, Anichstr 35, A-6020 Innsbruck,</p>	International Journal of Computer Assisted Radiology and Surgery	Nov 2018	1.961 Q-3	KSU RGP-1438- 037

			Austria [6] Med Univ Innsbruck, Dept Radiol, Anichstr 35, A-6020 Innsbruck, Austria				
8	The Influence and Optimization of Treatment Strategy in Enhancing Semiarid Soil Geotechnical Properties	<b>Rehman, Ateekh Ur [1]</b> Moghal, Arif Ali Baig [2]	<b>[1] King Saud Univ, Dept Ind Engr, Coll Engr, Raytheon Chair Syst Engr RCSE Chair, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] SRM Univ, Dept Civil Engr, Magalagiri Mandal 522502, Andhra Pradesh, India	<b>Arabian Journal for Science and Engineering</b>	Oct 2018	<b>1.092 Q-3</b>	Raytheon Chair for Systems Engineering (RCSE Chair), King Saud University, Riyadh, Saudi Arabia
9	Another Approach to Characterize Particle Distribution during Surface Composite Fabrication Using Friction Stir Processing	Gangil, Namrata [1] Maheshwari, Sachin [1] <b>Nasr, Emad Abouel [2,3]</b>  <b>El-Tamimi, AM El-Tamimi, Abdulaziz M [2]</b> <b>El-Meligy, Mohammed A. [4]</b>  Siddiquee, Arshad Noor [5]	[1] Netaji Subhas Inst Technol, Div Mfg Proc & Automat Engr, New Delhi 110078, India  [2] <b>King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh 11421, Saudi Arabia</b>  [3] Helwan Univ, Fac Engr, Dept Mech Engr, Cairo 11792, Egypt  [4] <b>King Saud Univ, Adv Mfg Inst, Riyadh</b>	<b>Metals</b>	Aug 2018	<b>1.704 Q-3</b>	KSU RG-1439-009

			<b>11421, Saudi Arabia</b> [5] Jamia Millia Islamia, Dept Mech Engn, New Delhi 110025, India				
<b>10</b>	Stability Analysis and Memory Control Design of Polynomial Fuzzy Systems with Time Delay via Polynomial Lyapunov-Krasovskii Functional	Gassara, Hamdi [1] El Hajjaji, Ahmed [2] <b>Krid, Mohamed [3,4]</b> Chaabane, Mohamed [1]	[1] Natl Sch Engn Sfax, STA Lab, Sfax, Tunisia  [2] Univ Picardie Jules Verne, MIS Lab, F-80000 Amiens, France  [3] <b>King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia</b>  [4] <b>King Saud Univ, Adv Mfg Inst, Syst Engn RCSE Chair, Riyadh, Saudi Arabia</b>	<b>International Journal of Control Automation and Systems</b>	Aug 2018	<b>2.173 Q-2</b>	Raytheon Chair for Systems Engineering
<b>11</b>	A note on "designing of a hybrid exponentially weighted moving average"	<b>Ahmad, Shafiq [1]</b> <b>Musliyar, Illias [1]</b>	[1] <b>King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia</b>	<b>International Journal of Advanced Manufacturing Technology</b>	July 2018	<b>2.601 Q-2</b>	NA
<b>12</b>	Requirements of the Smart Factory System: A Survey and Perspective	<b>Mabkhot, Mohammed M. [1]</b> <b>Al-Ahmari, Abdulrahman M [1,2]</b>	[1] <b>KSU, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia</b>	<b>Machines</b>	June 2018	<b>New/Emerging ISI Journal</b>	Raytheon Chair for Systems Engineering

		<p><b>Salah, Bashir [1]</b></p> <p><b>Alkhalefah, Hisham [2]</b></p>	<p><b>[2] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn, Riyadh 11421, Saudi Arabia</b></p>				
<b>13</b>	Anomaly detection using piecewise aggregate approximation in the amplitude domain	<p>Ren, Huorong [1]</p> <p>Liao, Xiujuan [1]</p> <p>Li, Zhiwu [1,2]</p> <p><b>AI-Ahmari, Abdulrahman [3]</b></p>	<p>[1] Xidian Univ, Sch Electromech Engn, Xian 710071, Shaanxi, Peoples R China</p> <p>[2] Macau Univ Sci &amp; Technol, Inst Syst Engn, Taipa 999078, Macau, Peoples R China</p> <p><b>[3] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia</b></p>	<b>Applied Intelligence</b>	May 2018	<b>1.983 Q-2</b>	International Scientific Partnership Program ISPP at King Saud University through ISPP 0799
<b>14</b>	Elucidating Grinding Mechanism by Theoretical and Experimental Investigations	<p>Ullah, A. M. M. Sharif [1]</p> <p>Caggiano, Alessandra [2]</p> <p>Kubo, Akihiko [1]</p> <p><b>Chowdhury, M. A. K [3]</b></p>	<p>[1] Kitami Inst Technol, Fac Engn, 165 Koen Cho, Kitami, Hokkaido 0908507, Japan</p> <p>[2] Univ Naples Federico II, Dept Ind Engn, Ple Tecchio 80, I-80125 Naples, Italy</p> <p><b>[3] King Saud Univ, Dept Ind Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p>	<b>Materials</b>	Feb 2018	<b>2.467 Q-2</b>	NA

15	Mining Resource Community and Resource Role Network From Event Logs	<p>Ye, Jianhong [1,2]          Li, Zhiwu [3,4]          Yi, Ke [1]</p> <p><b>Al-Ahmari, Abdulrahman [5]</b></p>	<p>[1] Huaqiao Univ, Sch Comp Sci &amp; Technol, Xiamen 361021, Peoples R China</p> <p>[2] Fujian Prov Key Lab Data Intens Comp, Quanzhou 362000, Peoples R China</p> <p>[3] Macau Univ Sci &amp; Technol, Inst Syst Engn, Taipa 999078, Macao, Peoples R China</p> <p>[4] Xidian Univ, Sch Electromech Engn, Xian 710071, Shaanxi, Peoples R China</p> <p><b>[5] King Saud Univ, Dept Ind Engn, Riyadh 12372, Saudi Arabia</b></p>	<b>IEEE Access</b>	Mar 2018	<b>4.832 Q-1</b>	International Scientific Partnership Program ISPP at King Saud University 0079
16	Performance Analysis of Personal Cloud Storage Services for Mobile Multimedia Health Record Management	<p>Akter, Mahmuda [1]          Gani, Abdullah [1]          Rahman, Md Obaidur [2]</p> <p><b>Hassan, Mohammad Mehedi [3]</b></p> <p><b>Almogren, Ahmad [3]</b></p> <p><b>Ahmad, Shafiq [4]</b></p>	<p>[1] Univ Malaya, Fac Comp Sci &amp; Informat Technol, Mobile Cloud Comp Res Lab, Kuala Lumpur 50603, Malaysia</p> <p>[2] Dhaka Univ Engn &amp; Technol, Dept Comp Sci &amp; Engn, Gazipur 1700, Bangladesh</p> <p><b>[3] King Saud Univ,</b></p>	<b>IEEE Access</b>	Jan 2018	<b>2.654 Q-2</b>	KSU RGP-1437-35



			<p><b>Coll Comp &amp; Informat Sci, Riyadh 11543, Saudi Arabia</b></p> <p><b>[4] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia</b></p>				
<b>17</b>	Examining spatio-temporal patterns, drivers and trends of residential fires in South East Queensland, Australia	<p>Chhetri, Prem [1]</p> <p>Corcoran, Jonathan [2]</p> <p><b>Ahmad, Shafiq [3]</b></p> <p>Kiran, K. C. [4]</p>	<p>[1] RMIT Univ, Sch Business IT &amp; Logist, Melbourne, Vic, Australia</p> <p>[2] Univ Queensland, Sch Earth &amp; Environm Sci, Brisbane, Qld, Australia</p> <p><b>[3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia</b></p> <p>[4] Griffith Univ, Cities Res Inst, Nathan, Qld, Australia</p>	<b>Disaster Prevention and Management</b>	Jan 2018	<b>1.060 Q-4</b>	NA
<b>18</b>	State Space Characterization of Disjunctive Single-Unit Resource Allocation Systems	<p>Karoui, Oussama [1]</p> <p>Khalgui, Mohamed [2]</p> <p>Chen, Yufeng [1]</p> <p>Wu, Naiqi [1]</p> <p><b>Ateekh-Ur-Rehman [3]</b></p>	<p>[1] Macau Univ Sci &amp; Technol, Inst Syst Engn, Taipa 999078, Macau, Peoples R China</p> <p>[2] Jinan Univ, Sch Elect &amp; Informat Engn, Zhuhai Campus, Zhuhai 519070,</p>	<b>IEEE Access</b>	Feb 2018	<b>3.557 Q-1</b>	KSU RG-1439-005 & Science and Technology Development Fund (FDCT) of

		<b>Umer, Usama [4]</b>	Peoples R China  [3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  [4] King Saud Univ, Coll Engn, Adv Mfg Inst, Riyadh 11421, Saudi Arabia				Macau
<b>19</b>	Development and experimental verification of an ergonomic shopping bag handle	<b>Alkahtani, Mohammed S. [1,2]</b> <b>Ramadan, Mohamed Z. [1]</b> <b>Alshaikh, Khaled A. [1]</b> <b>Aljaweeni, Abdullah A. [1]</b> <b>Altuwaijri, Ahmad S. [1]</b>	[1] King Saud Univ, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia  [2] King Saud Univ, Adv Mfg Inst, Syst Engn, RCSE Chair, Riyadh, Saudi Arabia	<b>Work-A Journal of Prevention Assessment &amp; Rehabilitation</b>	Jan 2018	<b>0.902 Q-4</b>	Raytheon Chair for Systems Engineering
<b>20</b>	The G(M)-Contraction Principle for Mappings on an M-Metric Spaces Endowed With a Graph and Fixed Point Theorems	<b>Souayah, Nizar [1]</b> Mlaiki, Nabil [2] <b>Mrad, Mehdi [3]</b>	[1] King Saud Univ, Community Coll AL Riyadh, Dept Nat Sci, Riyadh, Saudi Arabia  [2] Prince Sultan Univ, Dept Math & Gen Sci, Riyadh, Saudi Arabia  [3] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	KSU RG_1438_0 79

21	An Ensemble Oversampling Model for Class Imbalance Problem in Software Defect Prediction	Huda, Shamsul [1] Liu, Kevin [1] Abdelrazek, Mohamed [1] Ibrahim, Amani [1] <b>Alyahya, Sultan [2]</b> <b>Al-Dossari, Hmood [2]</b> <b>Ahmad, Shafiq [3]</b>	[1] Deakin Univ, Sch IT, Melbourne, Vic 3125, Australia  <b>[2] King Saud Univ, Informat Syst Dept, Riyadh 11451, Saudi Arabia</b>  <b>[3] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11451, Saudi Arabia</b>	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	NPST 11-ADV1494-02
22	Multi Criteria Approach to Measure Leanness of a Manufacturing Organization	<b>Rehman, Ateekh Ur [1]</b> <b>Alkhatani, Mohammad [1]</b> <b>Umer, Usama [2]</b>	[1] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  <b>[2] King Saud Univ, Coll Engn, Adv Mfg Inst, Riyadh 11421, Saudi Arabia</b>	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	KSU RG-1439-005
23	A Computational Study of the Two-Machine No-Wait Flow Shop Scheduling Problem Subject to Unequal Release Dates and Non-Availability Constraints	<b>Labidi, Mohamed [1]</b> Kooli, Anis [2] Ladhari, Talel [2,3] <b>Gharbi, Anis [1]</b> <b>Suryahatmaja, Umar S. [1]</b>	[1] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  [2] Univ Tunis, Ecole Super Sci Econ & Commerciales Tunis, Tunis 1089, Tunisia  [3] Univ Tunis, Tunis	<b>IEEE Access</b>	Jan 2018	<b>3.557 Q-1</b>	NPST 12-MAT3123-02

			Business Sch, Business Analyt & Decis Making Lab, Bir El Kassaa 2059, Tunisia				
24	An Arc-Flow Model fo the Makespan Minimization Problem on Identical Parallel Machines	<a href="#">Mrad, Mehdi [1]</a> <a href="#">Souayah, Nizar [2]</a>	<a href="#">[1] King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11451, Saudi Arabia</a> <a href="#">[2] King Saud Univ, Community Coll, Dept Nat Sci, Riyadh 11451, Saudi Arabia</a>	IEEE Access	Jan 2018	3.557 Q-1	KSU RG-1438-079
25	A Framework for Software Defect Prediction and Metric Selection	Huda, Shamsul [1] <a href="#">Alyahya, Sultan [2]</a> Ali, Mohsin [3] <a href="#">Ahmad, Shafiq [4]</a> Abawajy, Jemal [1] <a href="#">Al-Dossari, Hmood [2]</a> Yearwood, John [1]	<a href="#">[1] Deakin Univ, Sch IT, Melbourne Burwood Campus, Burwood, Vic 3125, Australia</a> <a href="#">[2] King Saud Univ, Informat Syst Engn Res Grp, Riyadh, Saudi Arabia</a> <a href="#">[3] Australian Natl Univ, GPO Box 4, Canberra, ACT 0200, Australia</a> <a href="#">[4] King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia</a>	IEEE Access	Jan 2018	3.557 Q-1	KSU RG-1436-039
26	Novel dynamic CAPP system f or hybrid additive-subtractive-inspection process	<a href="#">Abdulhameed, Osama [1,2]</a> <a href="#">Al-Ahmari, Abdurahman</a>	<a href="#">[1] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res</a>	Rapid Prototyping	2018	2.346 Q-2	Deanship of Scientific

		<b>Mushabab [1]</b> <b>Ameen, Wadea [1,2]</b> <b>Mian, Syed Hammad [1]</b>	<b>Chair Adv Mfg Tech, Riyadh, Saudi Arabia</b>  <b>[2] King Saud Univ, Ind Engn Dept, Riyadh, Saudi Arabia</b>	<b>Journal</b>			Research, King Saud University, through Vice Deanship of Scientific Research Chairs
<b>27</b>	An automatic and optimal selection of parts orientation in additive manufacturing	<b>Al-Ahmari, Abdurahman Mushabab [1,2]</b> <b>Abdulhameed, Osama [1,2]</b> <b>Khan, Awais Ahmad [1]</b>	<b>[1] King Saud Univ, Adv Mfg Inst, FARCAMT, Riyadh, Saudi Arabia</b>  <b>[2] King Saud Univ, Ind Engn Dept, Riyadh, Saudi Arabia</b>	<b>Rapid Prototyping Journal</b>	2018	<b>2.346 Q-2</b>	King Saud University, Vice Deanship of Research Chairs
<b>28</b>	Design, finite element analysis (FEA), and fabrication of custom titanium alloy cranial implant using electron beam melting additive manufacturing	<b>Ameen, W. [1,2]</b> <b>Al-Ahmari, A. [1,2]</b> <b>Mohammed, M. K. [2]</b> <b>Abdulhameed, O [1,2]</b> <b>Umer, U. [2]</b> <b>Moiduddin, K. [2]</b>	<b>[1] King Saud Univ, Ind Engn Dept, Riyadh, Saudi Arabia</b>  <b>[2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia</b>	<b>Advances In Production Engineering &amp; Management</b>	Sep 2018	<b>1.596 Q-3</b>	King Saud University
<b>29</b>	Exact and Heuristic Procedures for the Two Center Hybrid Flow Shop Scheduling Problem With Transportation Times	<b>Hidri, Lofti [1]</b> <b>Elkosantini, Sabeur [1]</b> <b>Mabkhot, Mohammed M. [1]</b>	<b>[1] King Saud Univ, Ind Engn Dept, Riyadh 11421, Saudi Arabia</b>	<b>IEEE Access</b>	2018	<b>3.557 Q-1</b>	KSU RG-1438-056

30	Evaluating the User Physical Stresses Associated with Watching 3D and 2D Displays over Extended Time Using Heart Rate Variability, Galvanic Skin Resistance, and Performance Measure	Ramadan, Mohamed Z. [1] Alhaag, Mohammed H. [1]	[1] King Saud Univ, Ind Engr Dept, Riyadh 11421, Saudi Arabia	Journal of Sensors	2018	2.057 Q-2	Research Center of the College of Engineering
31	A systematic approach to parameter selection for CAD-virtual reality data translation using response surface methodology and MOGA-II	Abidi, Mustufa Haider [1,2] Al-Ahmari, Abdulrahman [1,2] Ahmad, Ali [3]	[1] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia  [2] King Saud Univ, Coll Engr, Ind Engr Dept, Riyadh, Saudi Arabia  [3] Louisiana Community & Tech Coll Syst, Mfg Extens Partnership, Baton Rouge, LA USA	Plos One	May 2018	2.766 Q-1	Deanship of Scientific Research, King Saud University
32	Multi-objective optimization of micro-electrical discharge machining of nickel-titanium-based shape memory alloy using MOGA-II	Abidi, Mustufa H. [1] Al-Ahmari, Abdulrahman M. [1,2] Umer, Usama [1] Rasheed, Mohammed Sarvar [3]	[1] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijris Res Chair Adv Mfg Techno, Riyadh, Saudi Arabia  [2] King Saud Univ, Coll Engr, Ind Engr Dept, Riyadh, Saudi Arabia  [3] Abu Dhabi Vocat	Measurement	Sep 2018	2.218 Q-2	Deanship of Scientific Research, King Saud University through Vice Deanship of Scientific Research

			Educ Training Inst, Baynounah Inst Sci & Technol, Madinat Zayed, Abu Dhabi, U Arab Emirates				Chairs
33	Evaluation of 3D printing approach for manual assembly training	Al-Ahmari, Abdulrahman [1,2] Ameen, Wadea [1,2] Abidi, Mustufa Haider [2] Mian, Syed Hammad [2]	[1] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 11421, Saudi Arabia  [2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijriss Res Chair Adv Mfg Tech, Riyadh 11421, Saudi Arabia	International Journal of Industrial Ergonomics	July 2018	1.429 Q-3	Deanship of Scientific Research, King Saud University through Vice Deanship of Scientific Research Chairs
34	Effect of electrode material in micro-electrical discharge machining of micro-holes drilled in shapememory alloys	Rasheed, Mohammed Sarvar [1,2] Abidi, Mustufa Haider [2] Al-Ahmari, Abdulrahman M. [2]	[1] Abu Dhabi Vocat Educ Training Inst, Baynounah Inst Sci & Technol, Abu Dhabi, U Arab Emirates  [2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijriss Res Chair Adv Mfg Tech, FARCAMT Chair, , Ind Engn Dept, Riyadh 11421, Saudi Arabia Riyadh, Saudi Arabia	Indian Journal of Engineering and Materials Sciences	Feb 2018	0.543 Q-4	King Saud University
35	Evaluation of Handheld Scanners for Automotive Applications	Ameen, Wadea [1]	[1] King Saud Univ, Adv Mfg Inst, Princess	Applied Sciences-	Feb 2018	1.689 Q-3	Deanship of Scientific

	ns	Al-Ahmari, Abdulrahman M. [1] Mian, Syed Hammad [1]	Fatima Alnijiriss Res Chair Adv Mfg Tech, , Ind Engn Dept, Riyadh 11421, Saudi Arabia Riyadh 11421, Saudi Arabia	Basel			Research, King Saud University through the Vice Deanship of Scientific Research Chairs
36	Manufacturability of Overhanging Holes Using Electron Beam Melting	Ameen, Wadea [1,2] Al-Ahmari, Abdulrahman [1,2] Mohammed, Muneer Khan [2] Mian, Syed Hammad [2]	[2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, , [1]Ind Engn Dept, Riyadh 11421, Saudi Arabia Riyadh 11421, Saudi Arabia	Metals	June 2018	1.704 Q-3	King Saud University
37	An overview of selective laser sintering and melting research using bibliometric indicators	Ameen, Wadea [1,2] Ghaleb, Atef M. [1] ; Alatefi, Moath [1] Alkhalefah, Hisham [2] Alahmari, Abdulrahman [1,2]	[1] King Saud Univ, Coll Engn, Ind Engn Dept, POB 800, Riyadh 11421, Saudi Arabia  [2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia	Virtual and Physical Prototyping	2018	New/Emerging ISI Journal	N/A



38	Novel dynamic CAPP system for hybrid additive-subtractive-inspection process	Abdulhameed, Osama [1,2] Al-Ahmari, Abdurahman Mushabab [1] Ameen, Wadea [1,2] Mian, Syed Hammad [1]	[1] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia  [2] King Saud Univ, Ind Engr Dept, Riyadh, Saudi Arabia	Rapid Prototyping Journal	2018	2.346 Q-2	King Saud University, through Vice Deanship of Scientific Research Chairs
39	An Order Effect of Neighborhood Structures in Variable Neighborhood Search Algorithm for Minimizing the Makespan in an Identical Parallel Machine Scheduling	Alharkan, Ibrahim [1] Bamatraf, Khaled [1] Noman, Mohammed A. [1] Kaid, Husam [1] Nasr, Emad S. Aboue) [1] El-Tamimi, Abdulaziz M. [1]	[1] King Saud Univ, Coll Engr, Ind Engr Dept, POB 800, Riyadh 11421, Saudi Arabia	Mathematical Problems in Engineering	2018	1.145 Q-3	KSU RG-1439-009
40	Comparison and evaluation of multi-criteria supplier selection approaches: A case study	Mohammed Alkahtani [1] Abdulrahman Al-Ahmari [1] Husam Kaid [1] Mohammed Sonboa [1]	[1] King Saud Univ, Coll Engr, Ind Engr Dept, POB 800, Riyadh 11421, Saudi Arabia	Advances In Mechanical Engineering	Dec 2018	0.108 Q-4	N/A
41	Analyzing Critical Failures in a Production Process: Is Industrial IoT the Solution?	Shafiq Ahmad [1] Ahmed Badwelan [1] Atef M. Ghaleb [1] Ammar Qamhan [1]	[1] King Saud University, College of Engineering, Department of Industrial Engineering, Riyadh 11421, Saudi	Wireless Communications And Mobile Computing	Dec 2018	0.869 Q-4	N/A

		<b>Mohamed Sharaf [1]</b>	<b>Arabia</b>				
<b>42</b>	Experimental investigation and multi-objective optimization of Nd:YAG laser micro-channeling process of zirconia dental ceramic	<b>Abdo, Basem M. A. [1,2]</b> <b>El-Tamimi, Abdulaziz M. [1]</b> <b>Anwar, Saqib [1]</b> <b>Umer, Usama [2]</b> <b>Alahmari, Abdulrahman M. [1,2]</b> <b>Ghaleb, Mageed A. [1]</b>	<b>[1] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 12372, Saudi Arabia</b> <b>[2] King Saud Univ, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Adv Mfg Inst, Riyadh, Saudi Arabia</b>	<b>International Journal of advanced Manufacturing Technology</b>	Sep 2018	<b>2.601 Q-2</b>	Deanship of Scientific Research, King Saud University, through Vice Deanship of Scientific Research Chairs
<b>43</b>	Laser micro-milling of bio-lox forte ceramic: An experimental analysis	<b>Abdo, Basem M. A. [1,2]</b> <b>Anwar, Saqib [1]</b> <b>El-Tamimi, Abdulaziz M [1]</b> <b>Alahmari, Abdulrahman M. [1,2]</b> <b>Nasr, Emad Abouel [1]</b>	<b>[1] King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 12372, Saudi Arabia</b> <b>[2] King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia</b>	<b>Precision Engineering -Journal of The International Societies for Precision Engineering and Nanotechnology</b>	July 2018	<b>2.582 Q-1</b>	KSU RG-1439-009
<b>44</b>	Electron beam melting of gamma titanium aluminide and investigating the effect of EBM layer orientation on milling performance	<b>Anwar, Saqib [1]</b> <b>Ahmed, Naveed [1,2,3]</b> <b>Abdo, Basem M. [1]</b>	<b>[1] King Saud Univ, Ind Engn Dept, Coll Engn, Riyadh, Saudi Arabia</b> <b>[2] King Saud Univ, Adv Mfg Inst, Princess</b>	<b>International Journal of Advanced Manufactur</b>	June 2018	<b>2.601 Q-2</b>	KSU RG-1438-088

		Pervaiz, Salman [4] <b>Chowdhury, M. A. K. [1]</b> <b>Alahmari, Abdulrahman M. [1,2]</b>	<b>Fatima Alnijiriss Res Chair Adv Mfg Tech, FARCAMT Chair, Riyadh, Saudi Arabia</b>  [3] Univ Engn & Technol, Dept Ind & Mfg Engn, Lahore, Pakistan  [4] Rochester Inst Technol, Dept Mech & Ind Engn, Rochester, NY 14623 USA	<b>ing Technology</b>			
<b>45</b>	Rotary ultrasonic drilling of Ti 6Al4V: Effects of machining parameters and tool diameter	<b>Anwar, Saqib [1]</b> <b>Nasr, Mustafa M. [1]</b> <b>Al-Ahmari, Abdulrahman [1]</b> <b>Alkahtani, Mohammed [1,2]</b> <b>Abdo, Basem [1]</b> <b>El-Tamimi, Abdulaziz [1]</b> <b>Darwish, Saied [1]</b>	<b>[1] King Saud Univ, Coll Engn, Ind Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  <b>[2] King Saud Univ, Adv Mfg Inst, Raytheon Chair Syst Engn RCSE Chair, Riyadh, Saudi Arabia</b>	<b>Advances In Mechanical Engineering</b>	Jan 2018	<b>0.848 Q-4</b>	Deanship of Scientific Research at King Saud University, through the Research Centre at the College of Engineering
<b>46</b>	A study on the effect of main process parameters of rotary ultrasonic machining for drilling BK7 glass	<b>Anwar, Saqib [1]</b> <b>Nasr, Mustafa M. [1]</b> Pervaiz, Salman [2] <b>Al-Ahmari, Abdulrahman [1]</b> <b>Alkahtani, Mohammed [1,3]</b>	<b>[1] King Saud Univ, Ind Engn Dept, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b>  [2] Rochester Inst Technol Dubai, Dept Mech & Ind Engn, Dubai, U Arab Emirates	<b>Advances in Mechanical Engineering</b>	Jan 2018	<b>0.848 Q-4</b>	King Saud University, through the Research Centre at the College of Engineering

		<b>El-Tamimi, Abdulaziz [1]</b>	<b>[3] King Saud Univ, Adv Mfg Inst, RCSE, Riyadh, Saudi Arabia</b>				
<b>47</b>	Ballistic response of 12.7 mm armour piercing projectile against perforated armour developed from structural steel	A Mubashar [1] Emad Uddin [2] <b>S. Anwar [3]</b> N Arif [2] S Waheed Ul Haq [2] <b>MAK Chowdhury [3]</b>	[1] Mechanical Engineering Program, Middle East Technical University Northern Cyprus Campus, Mersin 10, Turkey [2] Computational Mechanics Group, Department of Mechanical Engineering, School of Mechanical and Manufacturing Engineering, National University of Sciences and Technology (NUST), H-12, Islamabad, Pakistan <b>[3] Industrial Engineering Department, College of Engineering, King Saud University, Riyadh, Saudi Arabia</b>	<b>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</b>	Oct 2018	<b>1.281 Q-2</b>	
<b>48</b>	Bibliometric analysis for process capability research	<b>S. Ahmad [1]</b> <b>M. Alatefi [1]</b> <b>M. Alkahtani [1]</b>	<b>[1] Industrial Engineering Department, College of Engineering, King Saud University, Riyadh,</b>	<b>Quality Technology &amp; Quantitative</b>	Apr 2018	<b>0.662 Q-4</b>	N/A

		<b>S. Anwar [1]</b> <b>M. Sharaf [1]</b> <b>M. Abdollahian [1]</b>	<b>Saudi Arabia</b>	<b>Managem ent</b>			
<b>49</b>	Multi Criteria Optimization Approach for Dressing of Vitrified Grinding Wheel	<b>M. A. K. Chowdhury [1]</b> <b>Ateekh Ur Rehman [1]</b> M. S. Uddin [2] <b>Mohammed Alkahtani [1]</b>	<b>[1] Industrial Engineering Department, King Saud University, P.O. Box 800, Riyadh 11421, Kingdom of Saudi Arabia</b>  <b>[2] School of Engineering, University of South Australia, Adelaide, Australia</b>	<b>Tehnički Vjesnik</b>	Sep 2018	<b>0.686 Q-4</b>	N/A
<b>50</b>	Agile Supply Chain Assessment: An Empirical Study on Concepts, Research and Issues	<b>Mohammad AlKahtani [1]</b> <b>Ateekh Ur Rehman [1]</b> <b>Ayoub Al-Zabidi [1]</b> Alok Choudhary [2]	<b>[1] Department of Industrial Engineering, College of Engineering King Saud University Riyadh Saudi Arabia</b>  <b>[2] School of Business and Economics Loughborough University Loughborough UK</b>	<b>Arabian Journal for Science and Engineering</b>	May 2018 Online	<b>1.092 Q-3</b>	N/A
<b>51</b>	Microchannels Fabrication in Alumina Ceramic Using Direct Nd:YAG Laser Writing	<b>Mohammed, Muneer Khan [1]</b> <b>Umer, Usama [1]</b>	<b>[1] King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia</b>	<b>Micromachines</b>	Aug 2018	<b>2.222 Q-3</b>	KSU RG-1439-005

		<p><b>Rehman, Ateekh Ur [2]</b></p> <p><b>Al-Ahmari, Abdulrahman M [1,2]</b></p> <p><b>El-Tamimi, Abdulaziz M. [2]</b></p>	<p><b>[2] King Saud Univ, Ind Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia</b></p>				
<b>52</b>	Big Data Analytics in Industrial IoT Using a Concentric Computing Model	<p>Rehman, Muhammad Habibur [1]</p> <p>Ahmed, Ejaz [2]</p> <p>Yaqoob, Ibrar [2]</p> <p>Hashem, Ibrahim Abaker Targio [3]</p> <p><b>Imran, Muhammad [4]</b></p> <p><b>Ahmad, Shafiq [5]</b></p>	<p>[1] FAST NUCES, Lahore, Pakistan</p> <p>[2] Univ Malaya, Kuala Lumpur, Malaysia</p> <p>[3] Asia Pacific Univ Technol &amp; Innovat, Kuala Lumpur, Malaysia</p> <p><b>[4 &amp; 5] King Saud Univ, Coll Engn, Ind Engn Dept. Riyadh, Saudi Arabia</b></p>	<b>IEEE Communications Magazine</b>	Feb 2018	<b>9.270 Q-1</b>	KSU RGP 1435-051

# **Petroleum & Natural Gas 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	Characterization of a fractured basement reservoir using high-resolution 3D seismic and logging datasets: A case study of the Sab'atayn Basin, Yemen	<b>Bawazer, Waleed [1]</b> <b>Lashin, Aref [1,2]</b> <b>Kinawy, Mostafa M. [1,3]</b>	<b>[1] King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, Riyadh, Saudi Arabia</b>  [2] Benha Univ, Fac Sci, Geol Dept, Banha, Egypt  [3] Al Azhar Univ, Fac Engn, Min & Petr Engn Dept, Cairo, Egypt	<b>Plos One</b>	Oct 2018	<b>2.766 Q-1</b>	KSU RG-1435-070
2	Characterization of the Permo-Triassic upper Khuff reservoir, central Saudi Arabia: An integrated core plugs, petro-fabrics and mercury injection analysis	<b>Lashin, Aref [1,3]</b> AlQuraishi, Abdulrahman A. [2] <b>AlKhidir, Khalid [1]</b> <b>Kinawy, Mostafa M. [1,4]</b> <b>Al Jawder, Abdulla [1]</b>	<b>[1] King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, Riyadh 11421, Saudi Arabia</b>  [2] King Abdulaziz City Sci & Technol, Natl Ctr Oil & Gas Technol, Riyadh, Saudi Arabia  [3] Benha Univ, Fac Sci, Geol Dept, POB	<b>Journal of African Earth Sciences</b>	Sep 2018	<b>1.532 Q-3</b>	KSU RG-1435-070



			13518, Banha, Egypt [4] Al Azhar Univ, Fac Engn, Min & Petr Engn Dept, Cairo, Egypt				
3	Petrophysical reservoir-rock properties and source-rock characterization of Abu Roash Formation in Wadi El-Rayan oil field, Western Desert, Egypt	Afife, Mohamed [1] Littke, Ralf [2] <b>Lashin, Aref [1,3]</b> All, Mohamed Abdel [4]	[1] Benha Univ, Geol Dept, Fac Sci, POB 13518, Banha, Egypt  [2] Rhein Westfal TH Aachen, Inst Geol & Geochem Petr & Coal LEK, Aachen, Germany  <b>[3] King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</b>  [4] Ain Shams Univ, Geol Dept, Fac Educ, Cairo, Egypt	<b>Arabian Journal of Geosciences</b>	July 2018	<b>0.860 Q-4</b>	KSU PRG-1436-08
4	New correlations for prediction of saturated and undersaturated oil viscosity of Arabian oil fields	Alqahtani, Naif B. [1] AlQuraishi, Abdulrahman A. [1] <b>Al-Baadani, Wajdi [2]</b>	[1] King Abdulaziz City Sci & Technol, Natl Ctr Oil & Gas Technol, POB 6086, Riyadh 11442, Saudi Arabia  <b>[2] King Saud Univ, Dept Petr &amp; Nat Gas Engn, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>Journal of Petroleum Exploration and Production Technology</b>	Mar 2018	<b>New/Wmerging ISI Journal</b>	NA

5	Geochemical evolution of geothermal fluids around the western Red Sea and East African Rift geothermal provinces	Chandrasekharam, D. [1,2] <b>Lashin, A. [3]</b> <b>Al Arifi, N. [4]</b> <b>Al-Bassam, A. M. [5]</b> Varun, C. [6]	[1] Indian Inst Technol Hyderabad, Hyderabad 502285, India  [2] King Saud Univ, Riyadh, Saudi Arabia  <b>[3] King Saud Univ, Dept Petr &amp; Gas Engr, Riyadh, Saudi Arabia</b>  <b>[4] King Saudi Univ, Coll Sci, Dept Geol &amp; Geophys, Riyadh, Saudi Arabia</b>  <b>[5] King Saud Univ, Dept Geol, Riyadh, Saudi Arabia</b>  [6] GeoSyndicate Power Pvt Ltd, Bombay, Maharashtra, India	<b>Journal of Asian Earth Sciences</b>	Sep 2018	<b>2.866 Q-2</b>	International Scientific Partnership Program (ISPP) at King Saud University 0099
6	Water resource management using geothermal energy: Eritrea	<b>Chandrasekharam, Dornadula [1,2]</b> <b>Lashin, Aref [3]</b> <b>Al Arifi, Nassir [4]</b> <b>Al-Bassam, Abdulaziz [5]</b> Chandrasekhar, Varun [6]	[1] India Inst Technol Hyderabad, Hyderabad 502285, Telangana, India  [2] <b>King Saud Univ, Riyadh 11451, Saudi Arabia</b>  <b>[3] King Saud Univ, Dept Petr &amp; Gas Engr, Riyadh 11451, Saudi Arabia</b>	<b>Arabian Journal of Geosciences</b>	Sep 2018	<b>0.860 Q-4</b>	KSU ISPP-0099

			<p><b>[4] King Saudi Univ, Dept Geol &amp; Geophys, Coll Sci, Riyadh 11451, Saudi Arabia</b></p> <p><b>[5] King Saud Univ, Dept Geol, Riyadh 11451, Saudi Arabia</b></p> <p>[6] GeoSyndicate Power Pvt Ltd, Bombay, Maharashtra, India</p>				
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**Sustainable Energy Technology Centre  
(SET)**

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	Double-Holey-Heterostructure Frameworks Enable Fast, Stable, and Simultaneous Ultrahigh Gravimetric, Areal, and Volumetric Lithium Storage	Chen, Zhonghui [1] Chen, Jiadong [1] Bu, Fanxing [1] <b>Agboola, Phillips O. [2]</b> <b>Shakir, Imran [3]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engr Polymers, Shanghai 200433, Peoples R China  <b>[2] King Saud Univ, Dept Mech Engr, Coll Appl Engr, Al Muzahimiyah Branch, Riyadh 11421, Saudi Arabia</b>  <b>[3] King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>	<b>ACS Nano</b>	Dec 2018	<b>13.709</b> <b>Q-1</b>	KSU RGP-VPP-312 & National Natural Science Foundation of China & Young Elite Scientist Sponsorship Program by CAST
2	Steady State and Transient Analysis of Novel Design Helium Cooled Ceramic Blanket (HCCB) System of	<b>Khan, Salah Ud-Din [1]</b> Wang, Jian [2]	<b>[1] King Saud Univ, Sustainable Energy Technol Ctr,</b>	<b>Journal of Fusion Energy</b>	Dec 2018	<b>0.719</b> <b>Q-4</b>	Research Center, College of

	China Fusion Engineering Test Reactor (CFETR)	Song, Yuntao [3] Khan, Shahab Ud-Din [4] Rana, Usman Ali [1] Khan, Riaz [4]	<b>Riyadh, Saudi Arabia</b>  [2] Univ Sci & Technol China, Sch Nucl Sci & Technol, Hefei, Anhui, Peoples R China  [3] Chinese Acad Sci, Inst Plasma Phys, Hefei, Anhui, Peoples R China  [4] PAEC, Natl Tokamak Fusion Program, Islamabad 3329, Pakistan				Engineering at King Saud University
<b>3</b>	Unexpected Effect of Electrode Architecture on High-Performance Lithium-Sulfur Batteries	Xiao, Peitao [1] Sun, Lixia [2] Liao, Dankui [2] <b>Agboola, Phillips O. [3]</b> <b>Shakir, Imran [4]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engrn Polymers, Shanghai 200433, Peoples R China  [2] Guangxi Univ, Sch Chem & Chem Engrn, Guangxi Key Lab Petrochem Resource Proc & Proc In, Nanning 530004, Peoples R China  <b>[3] King Saud Univ, Al Muzahimiyah Branch, Coll Appl Engrn, Mech Engrn Dept, Riyadh 11421, Saudi Arabia</b>	<b>ACS Applied Materials &amp; Interfaces</b>	Oct 2018	<b>1.092 Q-3</b>	KSU RGP-VPP-312 & National Natural Science Foundation of China & Open Project of Guangxi Key

			<b>[4] King Saud Univ, Coll Engr Ctr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>				
<b>4</b>	Microwave-Assisted Rapid Synthesis of Graphene-Supported Single Atomic Metals	<p>Fei, Huilong [1] Dong, Juncai [2] Wan, Chengzhang [1] Zhao, Zipeng [3] Xu, Xiang [1] Lin, Zhaoyang [1] Wang, Yiliu [1] Liu, Haotian [3] Zang, Ketao [4] Luo, Jun [4] Zhao, Shenglong [5] Hu, Wei [6] Yan, Wensheng [6] <b>Shakir, Imran [7]</b> Huang, Yu [3] Duan, Xiangfeng [1]</p>	<p>[1] Univ Calif Los Angeles, Dept Chem &amp; Biochem, Los Angeles, CA 90095 USA</p> <p>[2] Chinese Acad Sci, Inst High Energy Phys, Beijing Synchrotron Radiat Facil, Beijing 100049, Peoples R China</p> <p>[3] Univ Calif Los Angeles, Dept Mat Sci &amp; Engr, Los Angeles, CA 90095 USA</p> <p>[4] Tianjin Univ Technol, Inst New Energy Mat &amp; Low Carbon Technol, Tianjin Key Lab Adv Funct Porous Mat, Ctr Electron Microscopy, Sch Mat, Tianjin 300384, Peoples R China</p> <p>[5] Univ New South</p>	<b>Advanced Materials</b>	Aug 2018	<b>2.986 Q-1</b>	31 National Natural Science Foundation of China 2

			Wales, Sch Chem Engr, Sydney, NSW 2052, Australia  [6] Univ Sci & Technol China, Natl Synchrotron Radiat Lab, Hefei 230029, Anhui, Peoples R China  [7] <b>King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh 11451, Saudi Arabia</b>				
<b>5</b>	3D Graphene Composites for Efficient Electrochemical Energy Storage	Bu, Fanxing [1] <b>Shakir, Imran [2]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engr Polymers, Shanghai 200433, Peoples R China  [2] <b>King Saud Univ, Coll Engr Ctr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>	<b>Advanced Materials Interfaces</b>	Aug 2018	<b>4.834 Q-1</b>	KSU RGP- VPP-312 & China Postdoctoral Science Foundation & Young Elite Scientist by the CAST
<b>6</b>	Investigation of tip sonication effects on structural quality of graphene nanoplatelets (GNPs) for superior solvent dispersion	Baig, Zeeshan [1] Mamat, Othman [1] Mustapha, Mazli [1]	[1] Univ Teknol PETRONAS, Dept Mech Engr, Bandar Seri Iskandar 32610, Perak Darul Rid, Malaysia	<b>Ultrasonics Sonochemistr y</b>	July 2018	<b>6.012 Q-1</b>	Universiti Teknologi PETRONAS , Malaysia



		<p>Mumtaz, Asad [2]  Munir, Khurram S. [3]  <b>Sarfraz, Mansoor [4]</b></p>	<p>[2] Univ Teknol PETRONAS, Dept Fundamental &amp; Appl Sci, Perak Darul Rid, Malaysia  [3] RMIT Univ, Sch Engn, Bundoora, Vic 3083, Australia  <b>[4] King Saud Univ, Sustainable Energy Technol Ctr, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
7	<p>Graphene anchored on Cu foam as a lithiophilic 3D current collector for a stable and dendrite-free lithium metal anode</p>	<p>Yang, Guanhui [1]  Chen, Jiadong [1]  Xiao, Peitao [1]  <b>Agboola, Phillips O. [3]</b>  <b>Shakir, Imran [2]</b>  Xu, Yuxi [1]</p>	<p>[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China  <b>[2] King Saud Univ, Coll Engn Ctr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>  <b>[3] King Saud Univ, Coll Appl Engn, Mech Engn Dept, Al Muzahimiyah Branch,</b></p>	<p><b>Journal of Materials Chemistry A</b></p>	<p>June 2018</p>	<p><b>9.931 Q-1</b></p>	<p>KSU RG-1438-068 &amp; National Natural Science Foundation of China &amp; Young Elite Scientist Sponsorship Program by CAST</p>

			<b>Riyadh, Saudi Arabia</b>				
<b>8</b>	Surfactant-decorated graphite nanoplatelets (GNPs) reinforced aluminum nanocomposites: sintering effects on hardness and wear	Baig, Zeeshan [1] Mamat, Othman [1] Mustapha, Mazli [1] Mumtaz, Asad [2] Ali, Sadaqat [1] <b>Sarfraz, Mansoor [3]</b>	[1] Univ Teknol PETRONAS, Dept Mech Engn, Bandar Seri Iskandar 32610, Perak, Malaysia  [2] Univ Teknol PETRONAS, Dept Fundamental & Appl Sci, Bandar Seri Iskandar 32610, Perak, Malaysia  <b>[3] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</b>	<b>International Journal of Minerals Metallurgy and Materials</b>	June 2018	<b>1.261 Q-3</b>	University Teknologi PETRONAS
<b>9</b>	Fabrication of efficient electrode material: CoxZn1-xFe2O4-graphene nano-heterostructures for high-performance supercapacitors	Nazim, Sidra [1] Shahid, Muhammad [2] Warsi, Muhammad Farooq [1] <b>Agboola, Philips Olaleye [3]</b> Khan, Muhammad Azhar [4] <b>Shakir, Imran [5]</b>	[1] Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan  [2] Univ Hafr Al Batin, Dept Chem, Hafar al Batin, Saudi Arabia  <b>[3] King Saud Univ, Coll Engn, Al Muzahmia Branch, POB 800, Riyadh 11421, Saudi Arabia</b>  [4] Islamia Univ	<b>Ceramics International</b>	June 2018	<b>1.631 Q-2</b>	KSU RGP-VPP-312

			<p>Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p><b>[5] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</b></p>				
<b>10</b>	Approaching the Schottky-Mott limit in van der Waals metal-semiconductor junctions	<p>Liu, Yuan [1,2,3] Guo, Jian [1] Zhu, Enbo [1] Liao, Lei [2,3] Lee, Sung-Joon [1] Ding, Mengning [1] <b>Shakir, Imran [4]</b> Gambin, Vincent [5] Huang, Yu [1,6] Duan, Xiangfeng [6,7]</p>	<p>[1] Univ Calif Los Angeles, Dept Mat Sci &amp; Engn, Los Angeles, CA 90024 USA</p> <p>[2] Hunan Univ, Coll Chem &amp; Chem Engn, State Key Lab Chemo Biosensing &amp; Chemometr, Changsha, Hunan, Peoples R China</p> <p>[3] Hunan Univ, Sch Phys &amp; Elect, Changsha, Hunan, Peoples R China</p> <p><b>[4] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</b></p> <p>[5] Northrop Grumman Corp, NG NEXT, Redondo Beach, CA USA</p> <p>[6] Univ Calif Los</p>	<b>Nature</b>	May 2018	<b>41.577 Q-1</b>	Deanship of Scientific Research at King Saud University P EJP-17-01 & National Key Research and Development Program of China

			<p>Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA</p> <p>[7] Univ Calif Los Angeles, Dept Chem &amp; Biochem, 405 Hilgard Ave, Los Angeles, CA 90024 USA</p>				
<b>11</b>	<p>On-Chip in Situ Monitoring of Competitive Interfacial Anionic Chemisorption as a Descriptor for Oxygen Reduction Kinetics</p>	<p>Ding, Mengning [1,3,5]</p> <p>Zhong, Guangyan [2]</p> <p>Zhao, Zipeng [1]</p> <p>Huang, Zhihong [1]</p> <p>Li, Mufan [2]</p> <p>Shiu, Hui-Ying [1]</p> <p>Liu, Yuan [1,3]</p> <p><b>Shakir, Imran [4]</b></p> <p>Huang, Yu [1,3]</p> <p>Duan, Xiangfeng [2,3]</p>	<p>[1] Univ Calif Los Angeles, Dept Mat Sci &amp; Engr, Los Angeles, CA 90095 USA</p> <p>[2] Univ Calif Los Angeles, Dept Chem &amp; Biochem, Los Angeles, CA 90095 USA</p> <p>[3] Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA</p> <p><b>[4] King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b></p> <p>[5] Nanjing Univ, Sch Chem &amp; Chem Engr, Key Lab Mesoscop Chem, Nanjing 210023, Jiangsu, Peoples R</p>	<b>ACS Central Science</b>	May 2018	<b>11.228 Q-1</b>	NSF

			China				
<b>12</b>	Rational design of three-dimensional graphene encapsulated core-shell FeS@carbon nanocomposite as a flexible high-performance anode for sodium-ion batteries	Bu, Fanxing [1] Xiao, Peitao [1] Chen, Jiadong [1] <b>Aboud, Mohamed F. Aly [2]</b> <b>Shakir, Imran [2]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China  [2] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	<b>Journal of Materials Chemistry A</b>	Apr 2018	<b>9.931 Q-1</b>	RGP-VPP-312 + 4 External Acknowledgements
<b>13</b>	Sub-5 nm Ultrasmall Metal-Organic Framework Nanocrystals for Highly Efficient Electrochemical Energy Storage	Xiao, Peitao [1] Bu, Fanxing [1] Zhao, Ranran [1] <b>Aboud, Mohamed F. Aly [2]</b> <b>Shakir, Imran [2]</b> Xu, Yuxi [1]	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China  [2] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	<b>ACS Nano</b>	Apr 2018	<b>13.709 Q-1</b>	RGP-VPP-312 + 4 External Acknowledgements
<b>14</b>	Ultrathin Nitrogen-Doped Carbon Layer Uniformly Supported on Graphene Frameworks as Ultrahigh-Capacity Anode for Lithium-Ion Full Battery	Huang, Yanshan [1] Li, Ke [1] Yang, Guanhuai [1] <b>Aboud, Mohamed F. Aly [2]</b> <b>Shakir, Imran [2]</b>	[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn Polymers, Shanghai 200433, Peoples R China  [2] King Saud Univ,	<b>Small</b>	Mar 2018	<b>9.598 Q-1</b>	RGP-VPP-312 + 4 External Acknowledgements

		Xu, Yuxi [1]	<b>Coll Engr Ctr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>				
<b>15</b>	Monolayer atomic crystal molecular superlattices	Wang, Chen [1] He, Qiyuan [2] Halim, Udayabagya [2] Liu, Yuanyue [3,9,10] Zhu, Enbo [1] Lin, Zhaoyang [2] Xiao, Hai [3] Duan, Xidong [4] Feng, Ziyang [2] Cheng, Rui [1] Weiss, Nathan [1] Ye, Guojun [5,6] Huang, Yun-Chiao [1] Wu, Hao [1] Cheng, Hung-Chieh [1] <b>Shakir, Imran [7]</b> Liao, Lei [4] Chen, Xianhui [5,6]	[1] Univ Calif Los Angeles, Dept Mat Sci & Engr, Los Angeles, CA 90095 USA  [2] Univ Calif Los Angeles, Dept Chem & Biochem, Los Angeles, CA 90095 USA  [3] CALTECH, Mat & Proc Simulat Ctr, Pasadena, CA 91125 USA  [4] Hunan Univ, Sch Phys & Elect, Coll Chem & Chem Engr, State Key Lab Chemo Biosensing & Chemometr, Changsha 410082, Hunan, Peoples R China  [5] Univ Sci & Technol China, Key Lab Strongly Coupled Quantum Matter Phys, Hefei Natl Lab Phys Sci Microscale, Hefei	<b>Nature</b>	Mar 2018	<b>41,577 Q-1</b>	Deanship of Scientific Research at King Saud University PEJP-17-01  + 8 External Acknowledgments

		<p>Goddard, William A. [3]  Huang, Yu [1,8]  Duan, Xiangfeng [2,8]</p>	<p>230026, Anhui, Peoples R China  [6] Univ Sci &amp; Technol China, Dept Phys, Hefei 230026, Anhui, Peoples R China  [7] <b>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b>  [8] Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA  [9] Univ Texas Austin, Texas Mat Inst, Austin, TX 78712 USA  [10] Univ Texas Austin, Dept Mech Engn, Austin, TX 78712 USA</p>				
<b>16</b>	Theoretical relation between halo current-plasma energy displacement/deformation in EAST	<p>Khan, Shahab Ud-Din [1]  <b>Khan, Salah Ud-Din [2]</b>  Song, Yuntao [3]  Chen Dalong [3]</p>	<p>[1] Pakistan Atom Energy Commiss PAEC, Natl Tokamak Fus Program, Islamabad 3329, Pakistan  [2] <b>King Saud Univ, Sustainable Energy Technol Ctr,</b></p>	<b>Journal of Theoretical and Applied Physics</b>	Mar 2018	<b>New/Emerging ISI Journal</b>	KSU RGP-255

			<p><b>POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Chinese Acad Sci, Inst Plasma Phys, POB 1126, Hefei 230031, Anhui, Peoples R China</p>				
<b>17</b>	A three-dimensional graphene framework-enabled high-performance stretchable asymmetric supercapacitor	<p>Li, Ke [1]</p> <p>Huang, Yanshan [1]</p> <p>Liu, Jingjing [1]</p> <p><b>Sarfraz, Mansoor [2]</b></p> <p><b>Agboola, Phillips O. [3]</b></p> <p><b>Shakir, Imran [2]</b></p> <p>Xu, Yuxi [1]</p>	<p>[1] Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engrn Polymers, Shanghai 200433, Peoples R China</p> <p><b>[2] King Saud Univ, Coll Engrn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b></p> <p><b>[3] King Saud Univ, Coll Appl Engrn, Mech Engrn Dept, Al Muzahimiyah Branch, Riyadh, Saudi Arabia</b></p>	<b>Journal of Materials Chemistry A</b>	Jan 2018	<b>9.931 Q-1</b>	<p>KSU RGP-VPP-312 &amp; National Natural Science Foundation of China &amp; Program for Professor of Special Appointment</p>
<b>18</b>	Harmonic injection scheme for harmonic reduction of three-phase controlled converters	<b>Eltamaly, Ali M. [1,2]</b>	<p><b>[1] King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</b></p> <p>[2] Mansoura Univ, Dept Elect Engrn, Mansoura, Egypt</p>	<b>IET Power Electronics</b>	Jan 2018	<b>2.267 Q-2</b>	College of Engineering Research Center



19	General synthesis and definitive structural identification of MN <sub>4</sub> C <sub>4</sub> single-atom catalysts with tunable electrocatalytic activities	<p>Fei, Huilong [1]  Dong, Juncai [2]  Feng, Yexin [3,4]  Allen, Christopher S. [5,6]  Wan, Chengzhang [1]  Voloskiy, Boris [1]  Li, Mufan [1]  Zhao, Zipeng [7]  Wang, Yiliu [1]  Sun, Hongtao [1]  An, Pengfei [2]  Chen, Wenxing [8]  Guo, Zhiying [2]  Lee, Chain [1]  Chen, Dongliang [2]  <b>Shakir, Imran [9]</b>  Liu, Mingjie [10]  Hu, Tiandou [2]  Li, Yadong [8]  Kirkland, Angus I. [5,6]  Duan, Xiangfeng [1,11]</p>	<p>[1] Univ Calif Los Angeles, Dept Chem &amp; Biochem, 405 Hilgard Ave, Los Angeles, CA 90024 USA  [2] Chinese Acad Sci, Beijing Synchrotron Radiat Facil, Inst High Energy Phys, Beijing, Peoples R China  [3] Hunan Univ, State Key Lab Chemo Biosensing &amp; Chemometr, Changsha, Hunan, Peoples R China  [4] Hunan Univ, Sch Phys &amp; Elect, Changsha, Hunan, Peoples R China  [5] Univ Oxford, Dept Mat, Oxford, England  [6] ePSIC, Diamond Light Source, Didcot, Oxon, England  [7] Univ Calif Los Angeles, Dept Mat Sci &amp; Engr, Los Angeles, CA 90024 USA  [8] Tsinghua Univ, Dept Chem, Beijing,</p>	<b>Nature Catalysis</b>	Jan 2018	<b>Q-1</b>	Deanship of Scientific Research at the King Saud University I RG14-19 + 10 other Acknowledgements
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		Huang, Yu [11]	Peoples R China  [9] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia [10] Brookhaven Natl Lab, Ctr Funct Nanomat, Upton, NY 11973 USA  [11] Univ Calif Los Angeles, Calif NanoSyst Inst, Los Angeles, CA USA				
20	New La <sub>1-x</sub> Tb <sub>x</sub> MnO <sub>3</sub> nanoparticles: fabrication via wet chemical route for enhanced structural, electrical and dielectric parameters	Warsi, Muhammad Farooq [1] Tayyab, Hafiz Muhammad Waqar [1] <b>Agboola, Philips Olaleye [2]</b> Ahmad, Sajjad [1] Khan, Muhammad Azhar [3] <b>Shakir, Imran [4]</b>	[1] Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan  [2] King Saud Univ, Al Muzahmia Branch, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia  [3] Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan  [4] King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	<b>Materials Research Express</b>	Jan 2018	<b>1.151 Q-4</b>	KSU RG-1438-068

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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	Study of CdTe film growth by CSS on three different types of CdS coated substrates	Raza, Md. Taslim [1] Rahman, Md. Zishanur [2] Reyaz, Md. [1] <b>Karim, Mohammad Rezaul [3]</b>	[1] Maulana Azad Coll Engn & Technol, Dept Mech Engn, Patna 801115, Bihar, India  [2] Govt Bihar, DST, Nalanda Coll Engn Chandi Nalanda, Dept Mech Engn, Patna 803108, Bihar, India  [3] <b>King Saud Univ, Coll Engn, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia</b>	<b>Materials Today-Proceedings</b>	Dec 2018	<b>New/Emerging ISI Journal</b>	N/A
2	Surface plasmon mediated optical properties of ZnO/Au/TiO <sub>2</sub> nanoheterostructure rod arrays	Javed, Faiza [1] Javed, Sofia [2] Akram, Muhammad Aftab [2] Mujahid, Mohammad [2] <b>Islam, Mohammad [3]</b>	[1] COMSATS Inst Informat Technol, Dept Phys, Ctr Micro & Nano Devices, Islamabad 44000, Pakistan  [2] Natl Univ Sci & Technol, Sch Chem & Mat Engn, Sect H-12,	<b>Materials Science and Engineering B-Advanced Functional Solid-State Materials</b>	May 2018	<b>3.316 Q-2</b>	Higher Education Commission of Pakistan under NRP program

		Bhatti, Arshad Saleem [1]	Islamabad 44000, Pakistan  <b>[3] King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, POB 800, Riyadh 11421, Saudi Arabia</b>				
<b>3</b>	Reactive sputtering of vanadium nitride thin films as pseudocapacitor electrodes for high areal capacitance and cyclic stability	Achour, Amine [1] Lucio-Porto, Raul [2,3] Solaymani, Shahram [4] <b>Islam, Mohammad [5]</b> <b>Ahmad, Iftikhar [5]</b> Brousse, Thierry [6,7]	[1] Univ Namur, Res Ctr Phys Matter & Radiat PMR, LISE Lab, B-5000 Namur, Belgium  [2] Univ Autonoma Nuevo Leon, Fac Ingn Mekan & Elect, San Nicolas De Los Garza 66450, Nuevo Leon, Mexico  [3] Univ Autonoma Nuevo Leon, Ctr Innovac Invest & Desarrollo Ingn & Tecnol, Apodaca 66600, Nuevo Leon, Mexico  [4] Islamic Azad Univ, West Tehran Branch, Young Researchers & Elite Club, Tehran, Iran  <b>[5] King Saud Univ, Ctr Excellence Res Engn Mat, Sci Res,</b>	<b>Journal of Materials Science- Materials in Electronics</b>	Aug 2018	<b>2.324 Q-2</b>	KSU RGP- 283

			<p><b>POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[6] Univ Nantes, CNRS, Inst Mat Jean Rouxel IMN, 2 Rue Houssiniere, BP32229, F-44322 Nantes 3, France</p> <p>[7] FR CNRS, RS2E, F-3459 Amiens, France</p>				
<b>4</b>	Electrodes based on nano-tree-like vanadium nitride and carb on nanotubes for micro-supercapacitors	<p>Ouldhamadouche, Nadir [1]</p> <p>Achour, Amine [2]</p> <p>Lucio-Porto, Raul [3,4]</p> <p><b>Islam, Mohammad [5]</b></p> <p>Solaymani, Shahram [6]</p> <p>Arman, Ali [7]</p> <p>Ahmadpourian, Azin [8]</p> <p>Achour, Hamed [9]</p>	<p>[1] Univ Ibn Khaldoun, Lab Genie Phys, BP P78 Zaaroura, Tiaret 14000, Algeria</p> <p>[2] Natl Inst Sci Res, 1650 Bd Lionel Boulet, Varennes, PQ J3X 1P7, Canada</p> <p>[3] Univ Autonoma Nuevo Leon, Fac Ingn Mecan &amp; Elect, San Nicolas De Los Garza 66450, Nuevo Leon, Mexico</p> <p><b>[5] King Saud Univ, Adv Mfg Inst, Deanship Sci Res, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[6] Islamic Azad Univ,</p>	<b>Journal of Materials Science &amp; Technology</b>	June 2018	<b>3.609 Q-1</b>	KSU RGP-283

			<p>Dept Phys, Sci &amp; Res Branch, Tehran, Iran</p> <p>[7] ACECR, Sharif Branch, Vacuum Technol Grp, Tehran, Iran</p> <p>[8] Islamic Azad Univ, Arak Branch, Young Researchers &amp; Elite Club, Arak, Iran</p> <p>[9] Ecole Polytech Fed Lausanne, Inst Condensed Matter Phys, CH-1015 Lausanne, Switzerland</p>				
5	Influence of surface chemistry and point defects in TiN based electrodes on electrochemical capacitive storage activity	<p>Achour, Amine [1]</p> <p><b>Islam, Mohammad [2]</b></p> <p><b>Ahmad, Iftikhar [2]</b></p> <p>Le Brizoual, Laurent [3]</p> <p>Djouadi, Abdou [4]</p> <p>Brousse, Thierry [4,5]</p>	<p>[1] Univ Namur, Res Ctr Phys Matter &amp; Radiat PMR, LISE Lab, B-5000 Namur, Belgium</p> <p><b>[2] King Saud Univ, Ctr Excellence Res Engrn Mat, Deanship Sci Res, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[3] Univ Rennes 1, IETR UMR CNRS 6164, Inst Elect &amp; Telecommun, Campus Beaulieu Bat 11D 263</p>	<b>Scripta Materialia</b>	Aug 2018	<b>4.163 Q-1</b>	KSU RGP-283

			Av Gen Leclerc, F-35042 Rennes, France  [4] Univ Nantes, CNRS, Inst Mat Jean Rouxel IMN, 2 Rue Houssiniere, BP32229, F-44322 Nantes 3, France				
6	Fabrication of 1,4-dioxane sensor based on micro wave assisted PANi-SiO <sub>2</sub> nanocomposites	<b>Karim, Mohammad R. [1]</b> Alam, M. M. [2] <b>Aijaz, M. O. [1]</b> Asiri, Abdullah M. [3,4] <b>Dar, M. A. [1]</b> Rahman, Mohammed M. [3,4]	<b>[1] King Saud Univ, CEREM, Riyadh 11421, Saudi Arabia</b>  [2] Shahjalal Univ Sci & Technol, Dept Chem Engn & Polymer Sci, Sylhet 3100, Bangladesh  [3] King Abdulaziz Univ, Ctr Excellence Adv Mat Res, Jeddah 21589, Saudi Arabia  [4] King Abdulaziz Univ, Fac Sci, Chem Dept, Jeddah 21589, Saudi Arabia	<b>Talanta</b>	Sep 2018 Online	<b>4.144 Q-</b>	KSU RGP-1438-025
7	Composite nanofibers membranes of poly(vinyl alcohol)/chitosan for selective lead(II) and cadmium(II) ions removal from wastewater	<b>Karim, Mohammad Rezaul [1]</b> <b>Aijaz, Mohammed Omer [1]</b> <b>Alharth, Nabeel H. [2]</b> <b>Alharbi, Hamad F. [2]</b>	<b>[1] King Saud Univ, CEREM, Sci Res, Riyadh 11421, Saudi Arabia</b>  [2] King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421,	<b>Ecotoxicology and Environmental Safety</b>	Dec 2018 Online	<b>3.974 Q-1</b>	KACST MS-34-116



		<p><b>Al-Mubaddel, Fahad S. [3]</b></p> <p><b>Awual, Md. Rabiul [1,4,5]</b></p>	<p><b>Saudi Arabia</b></p> <p><b>[3] King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</b></p> <p>[4] King Abdulaziz Univ, Ctr Excellence Adv Mat Res, Fac Sci, Jeddah 21589, Saudi Arabia</p> <p>[5] Curtin Univ, Dept Chem Engr, GPO Box U1987, Perth, WA 6845, Australia</p>				
<b>8</b>	Numerical Modeling On Prospective Buffer Layers For Tungsten Disulfide (Ws2) Solarcells By Scaps-1d	<p>Sobayel, K. [1]</p> <p>Rahman, K. S. [1,2]</p> <p><b>Karim, M. R. [3]</b></p> <p><b>Aijaz, M. O. [3]</b></p> <p><b>Dar, M. A. [3]</b></p> <p><b>Shar, M. A. [3]</b></p> <p>Misran, H. [2]</p> <p>Amin, N. [2]</p>	<p>[1] Natl Univ Malaysia, Fac Engr &amp; Built Environm, Dept Elect &amp; Syst Engr, Bangi 43600, Selangor, Malaysia</p> <p>[2] Natl Energy Univ, Univ Tenaga Nas, Inst Sustainable Energy, Jalan IKRAM UNITEN, Kajang 43000, Selangor, Malaysia</p> <p><b>[3] King Saud Univ, Deanship Sci Res, CEREM, Riyadh</b></p>	<b>Chalcogenide Letters</b>	June 2018	<b>0.624 Q-4</b>	NUM GUP-2017-031 & KSU RGP-1438-025

			<b>11421, Saudi Arabia</b>				
<b>9</b>	Impact of Cu incorporation to the cdte thin film properties for photovoltaic application	Rahman, K.S. [1] Aris, K.A. [2] <b>Karim, M.R. [3]</b> <b>Aijaz, M.O. [3]</b> <b>Dar, M.A. [3]</b> <b>Shar, M.A. [3]</b> Misran, H. [1] Amin, N. [1]	[1] Institute of Sustainable Energy, National Energy University), Jalan Ikram-Uniten, Kajang, Selangor 43000, Malaysia  [2] Department of Electrical, Electronic and Systems Engineering, Selangor 43600, Malaysia  [3] <b>Center of Excellence for Research in Engineering Materials (CEREM), CoE, King Saud University, Riyadh, 11421, Saudi Arabia</b>	<b>Chalcogenide Letters</b>	May 2018	<b>0.624 Q-4</b>	N/A

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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
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## **Appendix-B: Details of Granted Patents (2018)**

<b>No</b>	<b>Title of Patent</b>	<b>Inventor Name</b>	<b>Affiliation (Assignee)</b>	<b>Patent (Publication)Number</b>	<b>Date of Publication</b>	<b>Patent office (Country)</b>
<b>1</b>	Interlocking masonry blocks for construction of load bearing and non-load bearing walls	Yousef A. Al-Salloum Husain Abbas Tarek H. Almusallam	CoE King Saud University	KACST 5855	April 15, 2018	SAPO
<b>2</b>	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	KACST 5856	April 15, 2018	SAPO
<b>3</b>	Antiseptic and fragrance-free soap	Mohammad Rezaul Karim Muhammad Omer Aijaz Nabeel Al-Harhi	CoE King Saud University	US 9896651	Feb 20, 2018	USPTO
<b>4</b>	Catalyst comprising palladium on crystalline zinc chromite and its use in acetone self-condensation	Abdulaziz A. Bagabas Vagif Malik Akhmedov Mohamed Mokhtar Mohamed Mostafa Abdulrahman A. Al-Rabiah	CoE King Saud University	EP2418017B1	Nov 21, 2018	EPO
<b>5</b>	Multilevel cascade hexagonal voltage source converter with isolated DC	Abdulrahman Abdullah Ali Alshammaa Abdullah Mohammed	CoE King Saud University	US10116229B1	Oct 30, 2018	USPTO

	sources	<p>Ali Noman</p> <p>Khaled Ebraheem Addoweesh</p> <p>Ayman Abdullah Abdulaziz Alabduljabbar</p> <p>Abdulrahman Ibrahim Alolah</p>				
6	Hybrid CHB-TVSI multilevel voltage source inverter	<p>Abdullah Mohammed Ali Noman</p> <p>Abdulraman Abdullah Alshammaa</p> <p>Khaled Ebraheem Addoweesh</p> <p>Ayman Abdullah Abdulaziz</p> <p>Alabduljabbar Abdulrahman Ibrahim Alolah</p>	<p>CoE King Saud University</p>	US10141865B1	Nov 27, 2018	USPTO
7	Synthesis of titanium dioxide nanoparticles using Origanum majorana herbal extracts	<p>Manal Ahmed Gasmelseed Awad</p> <p>Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi</p> <p>Wadha Khalaf Alenazi</p>	<p>CoE &amp; College of Science (Female) King Saud University</p>	US10138135B1	Nov 27, 2018	USPTO

<b>8</b>	Synthesis of silver nanoparticles using fungi	Manal Ahmed Gasmelseed Awad Awatif Ahmed HENDI <a href="#">Khalid Mustafa Osman Ortashi</a> Dina Wafiq Awad Soliman	<a href="#">CoE &amp; College of Science (Female) King Saud University</a>	US10111441B1	Oct 30, 2018	USPTO
<b>9</b>	Synthesis of reduced graphene oxide silica nanocomposite using seeds extract.	Manal Ahmed Gasmelseed Awad <a href="#">Khalid M.O. Ortashi</a> Awatif Ahmed HENDI Amel Laref	<a href="#">CoE &amp; College of Science (Female) King Saud University</a>	US 10052302 B2	Aug 21, 2018	USPTO
<b>10</b>	Method of treating diabetic wounds using biosynthesized nanoparticles.	Manal Ahmed Gasmelseed Awad Awatif Ahmed HENDI <a href="#">Khalid M.O. Ortashi</a> Mai Abdelrahman Elobeid Wagealla Promy Virk	<a href="#">CoE &amp; College of Science (Female) King Saud University</a>	US 9,974,749 B2	May 22, 2018	USPTO
<b>11</b>	Synthesis of nanoparticles using Balanites Aegyptiaca.	Manal Ahmed Gasmelseed Awad Rabab Abd El Moneim Khalil El Dib	<a href="#">CoE &amp; College of Science (Female) King Saud University</a>	US9889170B1	Feb 13, 2018	USPTO



		Awatif Ahmed HENDI Khalid M.O. Ortashi Shaza Mohamed Adel Al-Massarani				
12	Method of ascertaining fully grown passive film formation on steel rebar embedded in concrete	Hussain R.R., Alhozaimy A. Al-Negheimish A. Singh DDN	CoE King Saud University	KACST 6130	Sep 27, 2018	SAPO
13	Anti-corrosion treatment composition for steel rebar embedded in concrete	Singh DDN Hussain R.R. Alhozaimy A. Al-Negheimish A.	CoE King Saud University	KACST 6143	Oct 4, 2018	SAPO
14	Fire Resistant Cementitious Composite and Method of Making the Same	Khan M.I. G. Fares S. Mourad	CoE King Saud University	KACST 6187	Nov 4, 2018	SAPO
15	Solar Heating apparatus	Yousef Abdullah Almotlaq Mazen Abdullah Baabbad Hany Abdulrahman	CoE, King Saud University & Qudra Energy Company	US10151512	Nov 11, .2018	USPTO

		Alansary Essam Abdulaziz Al Ammar				
<b>16</b>	Multi-Effects Desalination System	Obida Mohamed Zeitoun, Riyadh  Hany Abdelrahman Alansary, Riyadh  Abdullah Othman Nuhait, Riyadh	CoE King Saud University	US 10,099,154 B2	Oct 16, 2018	USPTO
<b>17</b>	Three-dimensional space-division Y- splitter for multicore optical fibers	Ehab Salaheldin Awad Mohamed	CoE King Saud University	10094980	Oct 9, 2018	USPTO
<b>18</b>	Cooling Fixture for solar photovoltaic panels	Zakariya K. Moochikootathil	CoE King Saud University	6133	Sep 9,2018	SPO
<b>19</b>	Optical Absorber for Long-Wave Infrared Radiation	Ehab Salaheldin Mohamed  Mohamed R. Abdel- Rahman	CoE King Saud University	6128	Sep 9,2018	SPO
<b>20</b>	Strain-Hardening Cementitious Composite	Mohammad Iqbal Khan  Galal Fares  Shehab Eldin Mourad  Wasim Abbass	CoE King Saud University	6125	Sep 9,2018	SPO

21	Adjustable Build Envelope for Powder Bed Fusion Machines	Abdulrahman Al- Ahmari Abdullah Yahia Alfaify Mohamed Hamid Hamid	CoE King Saud University	10,065,242	Sep 4, 2018	USPTO
22	Deep Eutectic Solvent and Method for its Preparation	Inas Al-Nashef Saeed Al-Zahrani	CoE King Saud University	EP 2597099	Aug 15, 2018	EPO
23	Variable Optical Splitter System	Ehab Salaheldin Mohamed	CoE King Saud University	10,048,441	Aug 4, 2018	USPTO
24	Solar Cooling and Water Desalination System	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	CoE, KSU & Qudra Energy Company	10,022,646	July 17, 2018	USPTO
25	Multi-Effects Desalination System	Obida Mohamed Zeitoun Hany Alansary	CoE King Saud University	5988	July 5, 2018	SPO
26	Wave Energy Convertor Using Oscillating Pendulums	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	CoE King Saud University	5987	July 5, 2018	SPO

27	Nitrogen and Phosphorus Co-Doped Crystalline Carbon Materials	Usman Ali Rana Arfat Anis Ayman Nafady Saeed Al-Zahrani	CoE King Saud University	10,010,866	July 3, 2018	USPTO
28	GSM/GPRS Based Method, System, and Computer Programs to Determine and Locate High Impedance Faults on Medium Voltage Distribution Networks in High	Sami Al-Ghannam Yasin Khan	KSU & ARAMCO	EP 2895873	May 3, 2018	EPO
29	Two Axis Solar Tracking System	Mazen Ba-abbad Hany Al-Ansary Essam Al-Ammar	CoE King Saud University	5837	April 5, 2018	SPO
30	Desalination System	Obida Mohamed Zeitoun Hany Alansary Abdullah Othman Nuhait	CoE King Saud University	5783	March 5, 2018	SPO
31	Wave Energy Convertor Using Oscillating Pendulums	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj	CoE King Saud University	EP 3051122	Feb 21, 2018	EPO

		Ermal Mullalli				
32	Aerial Vehicle	Shereef Aly Sadek	CoE King Saud University	D 810621	Feb 20, 2018	USPTO
33	Method of Preparing a Metal Matrix Nanocomposite	Ahmed Mohammed Nabawy Elsayed Mohmed Sherif Khalil Abdelrazek Khalil	CoE King Saud University	9890442	Feb 13, 2018	USPTO

- *SPO, Saudi Patent Office*
- *USPTO, United State Patent & Trademark Office*
- *EPO, European Patent Office*

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