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## Dean Message

It is an honor and a privilege to be the Dean of the College of Engineering, a College that stands for excellence and continuously sets the highest standards in teaching and research.



Presently, the colleg is witnessing an intersection of great challenge and great opportunity. But, with opportunity comes responsibility, and we must accept this responsibility and seize this moment.

Research is a priority to our college and the university. Apart from individual stories about each research advance, the college has research centers and chairs that connect the efforts of several groups of various discipline. With collaboration being an important aspect of many areas of modern science and a focus for our college, it's fitting to present research in the same manner.

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

I am pleased to see the scientific accomplishment by the College of Engineering in the year of 2016: 20 International patents, and 432 research papers in ISI journals of high repute. These figures reflect a continuous improvement in the field of research and innovation by the College of Engineering.

I congratulate the faculty members for their achievements. Keep up the good work as your continued achievement is appreciated and expected.

Thank you for your commitment and continued support to our college.

**Dr. Waleed M. Zahid**

Dean, College of Engineering

# 1 - Summary

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 renowned journals, and acquiring international patents for their innovative research works, in the calendar year of 2016. It also provides comparison of the college research performance with international benchmarks. All the details related to the papers and Patents mentioned in this booklet have been searched and thoroughly verified through SCOPUS, Google Scholar, ISI Web of Knowledge and Journal Citation Report.

Four hundred thirty two (432) research papers were published by the faculty members in peer-reviewed ISI journals of high repute in the year of 2016, which is better than the number of ISI papers published in the previous years ( 370 in 2014 & 423 in 2015). The average ISI research paper published by a faculty member in the year 2016, was in the range from 1.26 to 4.3 for the different collage departments.

For the year 2016, 29% of the college ISI papers were published by faculty members of the Chemical Engineering department. Members of the Electrical, Civil, and Mechanical Engineering departments published 14%, 15% and 16% of the total, respectively. The college research entities contributed about 13% of the total ISI publication

In comparsion with the US Benchmark, achievement by faculty members of the Chemical Engineering department is almost double. Achievements of the Electrical, Mechanical, Civil and Industrial engineering faculty are also higher than the US benchmark by 17%, 50 %, 28 % and 85 %, respectively

Moreover, 20 Patents were granted to faculty members of the CoE in the year 2016, which is the highest number of patents granted in a single calendar year. Nine US patents were granted to faculty members of the Civil Engineering department. Six US Patents and one US Patent were granted to faculty members from the Mechanical and Electrical Engineering departments, respectively. The Chemical Engineering members were granted 1 US Patent and 1 European Patent.

Also, one US Patent was granted to a joint team of the Civil & Chemical Engineering departments, and another US Patent was granted to a joint team of the Mechanical & Electrical Engineering departments.

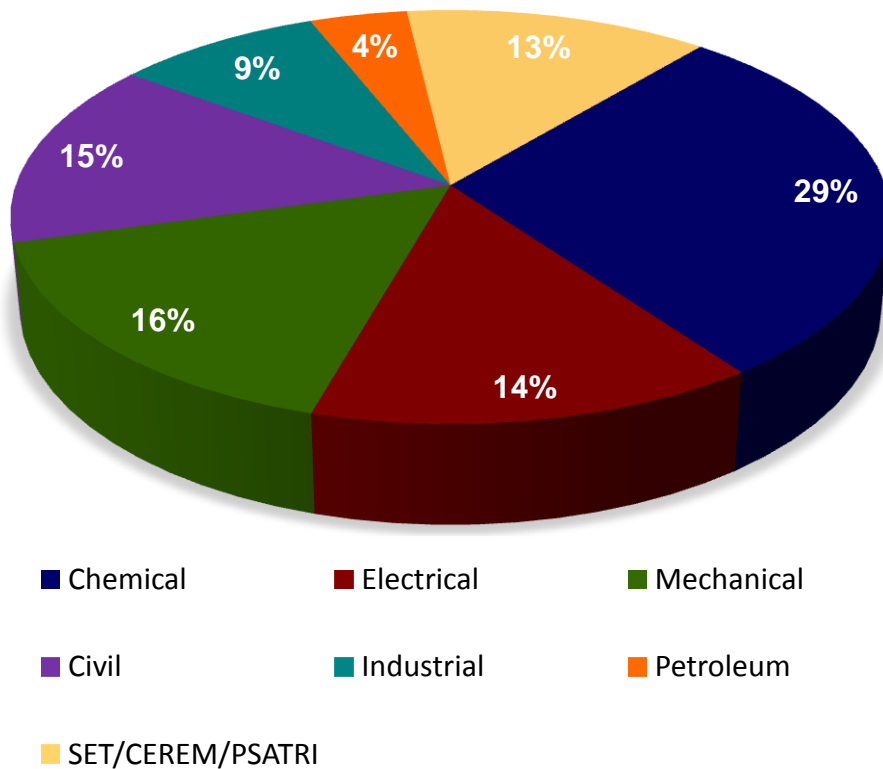
Data presented in this booklet indicates a significant improvement not only in the quality of research, but also in quantity of publications by the faculty members of the College of Engineering. This achievement enables us to compete with the international scientific community in the respective fields of Engineering.

## 2 - ISI Publication

### 2-1 ISI Publication for the Year 2016

The Figure below shows the percent hcontribution of various engineering departments in the publication of ISI journals. 29% of the college ISI ppaers were published by faculty members of the Chemical Engineering department. Members of the Electrical, Civil, and Mechanical Engineering departments published 14%, 15%, and 16% of the total, respectively, while the share of the Industrial Engineering was 9%, and that of the Petroleum Engineering was 4%. The College research entities contributed about 13% of the total.

**Figure-1: Contribution of the College various Departments and Research Entities in ISI Journals**



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

## 2-2 CoE-ISI Publication versus US Benchmark for the Year 2016

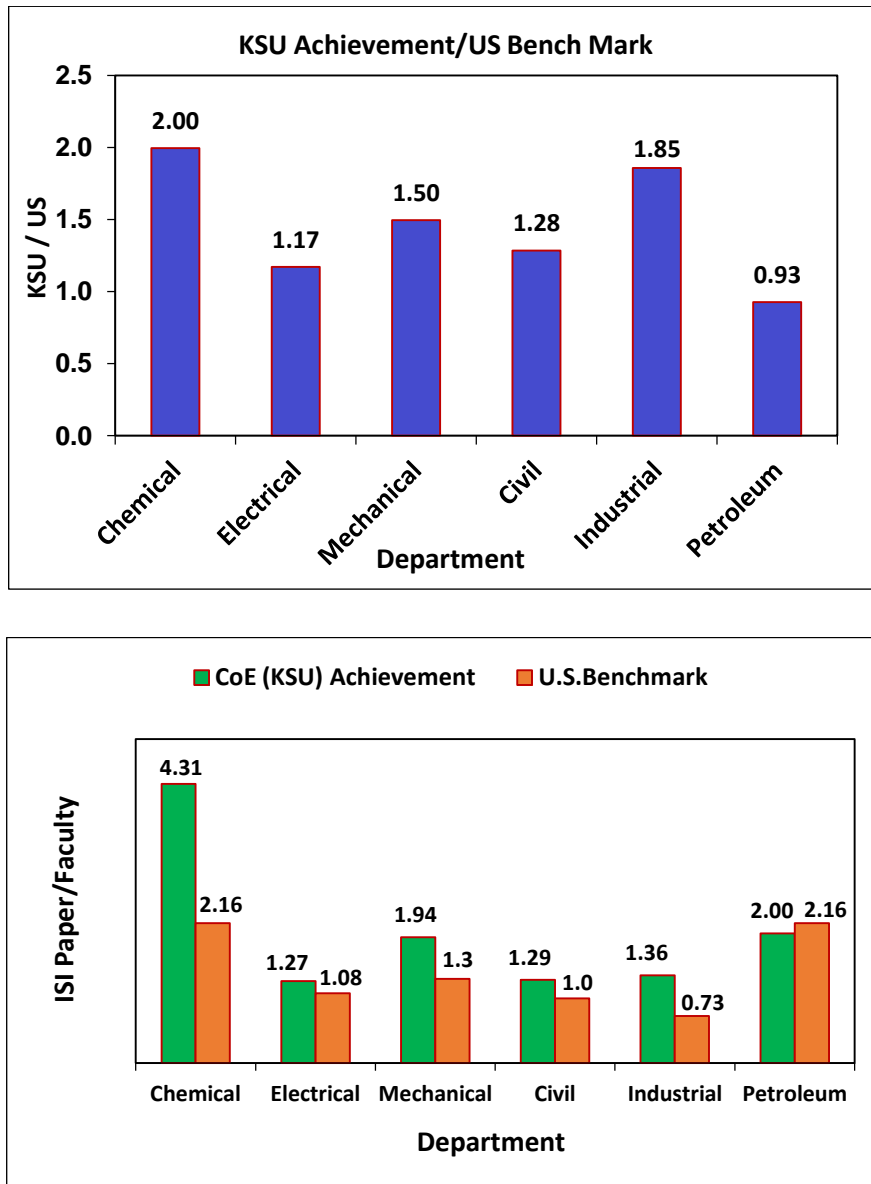
Table-1 below presents the average values of ISI research papers published for every faculty member of various departments in the year 2016, and compares them with US Benchmark. It can be seen that, except for the Petroleum Engineering department, the achievements of faculty members of all the CoE departments are more than the US Benchmark of publication in ISI journal in respective disciplines. The achievement of the Chemical Engineering department is almost double to US Benchmark. Also, achievements of the Electrical, Mechanical, Civil and Industrial engineering faculty are also higher than the US benchmark by 17%, 50 %, 28 % and 85 % respectively. However, the department of the Petroleum Engineering achieved 7% less than the US Benchmark. Figure-2 below depicts the previous results pictorially.

**Table-1: ISI Ppapers per Faculty of CoE-KSU versus US Benchmark for 2016**

Engineering Department	ISI Papers 2016	Number of Faculty	CoE-KSU Achievement (ISI Paper/Faculty-year)	U.S. Benchmark* (ISI Paper/Faculty-year)	KSU/US	Difference with US Benchmark
Chemical	125	29	4.31	2.16	2.00	+ 99.5%
Electrical	62	49	1.26	1.08	1.17	+ 16.6 %
Mechanical	70	36	1.94	1.3	1.50	+ 49.2 %
Civil	63	49	1.28	1.0	1.28	+ 28 %
Industrial	38	28	1.35	0.73	1.85	+ 84.9 %
Petroleum	18	09	2.0	2.16	0.93	- 7.4 %

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

**Figure-2: Comparison of ISI Papers/Faculty of CoE-KSU versus US Benchmark for the Year 2016**



\*US Benchmark: Average of 30 top American Universities

### 2-3 CoE-ISI Publication for the Years of 2014-2016

Table-2 below shows the numbers of ISI research papers published by faculty members of various departments and research entities of CoE in the year 2014, 2015 & 2016. It is evident from the table that there is a continuous improvement in number of ISI papers by faculty members in the last three years lead by the Chemical Engineering department and followed by the Electrical, Mechanical, Civil, Industrial and Petroleum Engineering department.

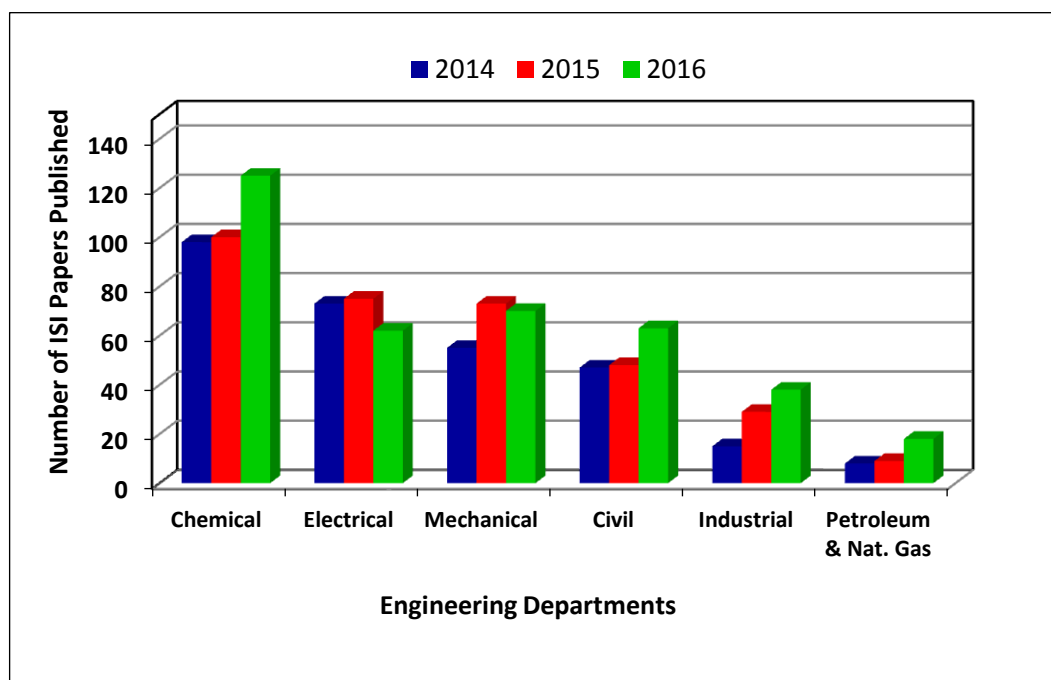
**Table-2: Summary of ISI Publications of CoE Departments and Research Entities during the Years 2014-2016**

Department	Number of ISI Research Papers Published 2014	Number of ISI Research Papers Published 2015	Number of ISI Research Papers Published 2016	Difference In Comparison With Last Year (2016 versus 2015) (%)
Chemical Engineering	98	100	125	+ 25 %
Electrical Engineering	73	75	62	- 17.3 %
Mechanical Engineering	55	73	70	+ 4.1 %
Civil Engineering	47	48	63	+ 31.2 %
Industrial Engineering	15	29	38	+ 31 %
Petroleum & Nat. Gas Engineering	08	09	18	+ 100 %
SET Sustainable Energy Technology Centre	50	60	23	- 61.6 %
CEREM Centre of Excellence for Research in Engineering Material	20	23	30	+ 30.4 %
PSATRI Prince Sultan Advanced Technology Research Institute	04	06	03	- 50 %
<b>TOTAL</b>	<b>370</b>	<b>423</b>	<b>432</b>	<b>+ 2.1 %</b>

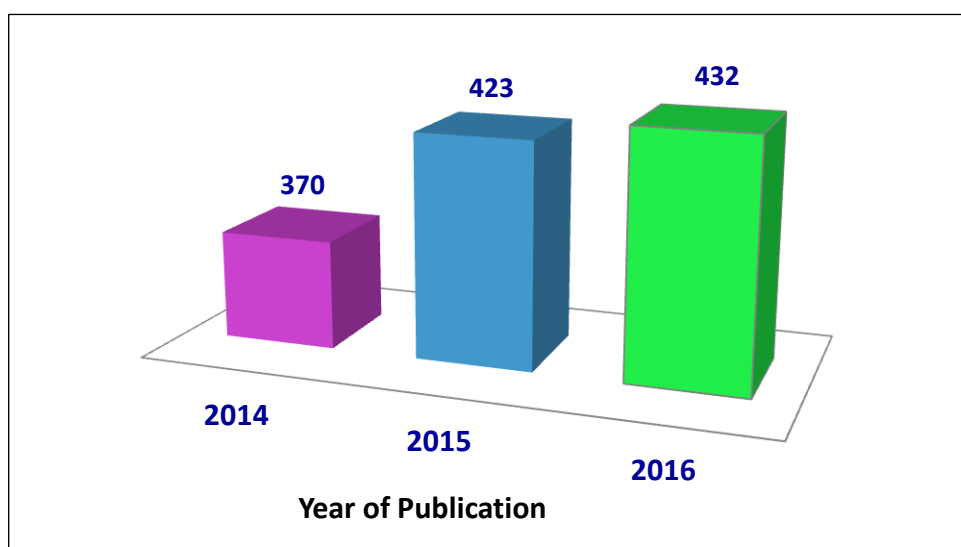
Figure-3 depicts these results. As shown in Figure-4, the total number of ISI papers published by the entire college increased from 370 in 2014 to 432 in 2016 (an increase of about 17%).



**Figure-3: ISI Papers of CoE Departments during the Years 2014-2016**



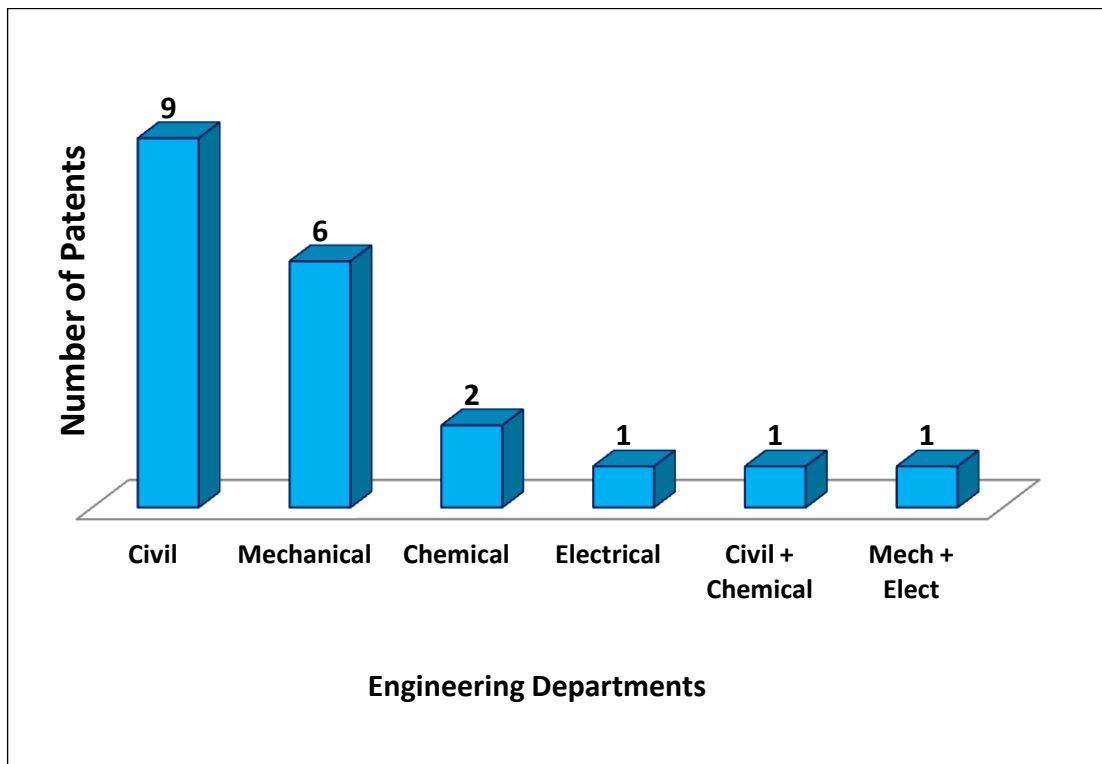
**Figure-4: Total Number of ISI Papers Published by the College Departments and Research Entities during the Years 2014-2016.**



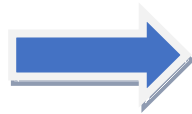
### 3 - Patents

Figure-5 below shows the number of Patents granted to various engineering departments of the College of Engineering in the year 2016. A total of 20 Patents were obtained by the faculty members, which is the highest number of patents granted to CoE in a single calendar year. Among the engineering departments of the CoE, 9 U.S. patents were granted to faculty members of the Civil Engineering department which is the highest achievement by an individual department in the year 2016. The Mechanical engineering department was able to acquire 6 U.S. Patents. The Chemical Engineering Department got 1 U.S. and 1 European Patent, while 1 U.S. Patent was granted to the Electrical Engineering department. Also, 1 U.S. Patent was granted to a joint team of the Civil & Chemical Engineering departments, and 1 US Patent was granted to a joint team of the Mechanical & Electrical Engineering departments.

**Figure-5: Granted Patents to CoE Departments during the Year 2016**



# Appendix-A: Details of Published ISI Papers ( 2016)



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

**Authors in black color: From other Colleges of KSU**

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

**Chemical Engineering Department**  
&  
**Related Research Unit\***

\* SABIC Polymer Research Center

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor	Grant Number if funded by KSU or KACST
1	Production of hydrogen by catalytic methane decomposition over alumina supported mono-, bi- and tri-metallic catalysts	Al-Fatesh, AS Fakeeha, AH Khan, WU Ibrahim, AA He, SB Seshan, K	King Saud Univ, Dept Chem Engn, Coll Engn, POB 11421, Riyadh, Saudi Arabia  Univ Twente, Catalyt Proc & Mat, MESA Inst Nanotechnol, NL-7500 AE Enschede, Netherlands	International Journal of Hydrogen Energy	Dec 2016	3.205	KSU
2	Superior electrochemical activity of alpha-Fe <sub>2</sub> O <sub>3</sub> /rGO nanocomposite for advance energy storage devices	Aadil, M Shaheen, W Warsi, MF Shahid, M Khan, MA Ali, Z Haider, S Shakir, I	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan  Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan  Natl Inst Lasers & Optron, Islamabad 45650, Pakistan  King Saud Univ, Coll Engn, Dept Chem	Journal of Alloys and Compounds	Dec 2016	3.014	KSU RG-1437-029

			Engn, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Sustainable Energy Technol, Riyadh, Saudi Arabia				
3	Structural, optoelectronic, and thermoelectric properties of AZn(13) (A = Na, K, Ca, Sr, Ba) compounds	Basit, A Murtaza, G Mahmood, A Yar, A Muhammad, S	Hazara Univ Mansehra, Dept Phys, Kpk 25000, Pakistan  Islamia Coll Univ, Dept Phys, Peshawar 25000, Pakistan  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia  Kohat Univ Sci & Technol, Dept Phys, Kohat 26000, Khyber Pakhtunk, Pakistan	International Journal of Modern Physics B	Dec 2016	<b>0.850</b>	KSU RGP-VPP- 311
4	Biosynthesis of Silver Nanoparticles using Mimosa Pudica Plant root extract: Characterization, Antibacterial Activity and Electrochemical Detection of Dopamine	Sreenivasulu, V Kumar, NS Suguna, M Asif, M Al-Ghurabi, EH Huang, ZX Zhen, Z	Jinan Univ, Inst Atmospher Environm Safety & Pollut Control, Huangpu Rd West 601, Guangzhou 510632, Guangdong, Peoples R China  King Saud Univ, Dept Chem Engn, POB	International Journal of Electrochemical Science	Dec 2016	<b>1.692</b>	KSU RGP-1437- 31

			800, Riyadh 11421, Saudi Arabia  Sri Venkateswara Univ, Dept Chem, Biopolymers & Thermo Phys Labs, Tirupati 517502, Andhra Pradesh, India				
5	Feasibility of municipal solid waste (MSW) as energy sources for Saudi Arabia's future Reverse osmosis (RO) desalination plants	Agboola, PO Saleh, J	King Saud Univ, Al Muzahimiyah Branch, Dept Mech Engn, Coll Appl Engn, Riyadh, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia	Polish Journal of Chemical Technology	Dec 2016	<b>0.575</b>	KSU DSR 4/435  CoE
6	Rapid removal of noxious nickel (II) using novel gamma-alumina nanoparticles and multiwalled carbon nanotubes: Kinetic and isotherm studies	Agarwal, S Tyagi, I Gupta, VK Dehghani, MH Jaafari, J Balarak, D Asif, M	Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa  Univ Tehran Med Sci, Sch Publ Hlth, Dept Environm Hlth Engn, Tehran, Iran  Univ Tehran Med Sci, Inst Environm Res, Ctr Solid Waste Res, Tehran, Iran	Journal of Molecular Liquids	Dec 2016	<b>2.740</b>	KSU RGP-1437- 31

			<p>Guilan Univ Med Sci, Sch Publ Hlth, Dept Environm Hlth, Rasht, Iran</p> <p>Zahedan Univ Med Sci, Hlth Promot Res Ctr, Zahedan, Iran</p> <p>King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</p>				
7	Fabrication of chitosan-g-poly(acrylamide)/Cu nanocomposite for the removal of Pb(II) from aqueous solutions	<p>Gupta, VK Gupta, D Agarwal, S Kothiyal, NC Asif, M Sood, S Pathania, D</p>	<p>Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa</p> <p>Shoolini Univ Biotechnol &amp; Management Sci, Sch Chem, Solon, HP, India</p> <p>Natl Inst Technol, Dept Chem, Jalandhar 144011, Punjab, India</p> <p>King Saud Univ Riyadh, Dept Chem Engn, Riyadh, Saudi Arabia</p>	Journal of Molecular Liquids	Dec 2016	<b>2.740</b>	KSU RGP-1437- 31
8	An experimental investigation of the effects of nanoparticles on the mechanical properties of	<p>Boumaza, M Khan, R Zahrani, S</p>	<p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421,</p>	Thin Solid Films	Dec 2016	<b>1.761</b>	N/A



	epoxy coating		Saudi Arabia				
9	Cross-linked chitosan/sepiolite composite for the adsorption of methylene blue and reactive orange 16	Marrakchi, F Khanday, WA Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engn, Engn Campus, Nibong Tebal 14300, Penang, Malaysia  King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Biological Macromolecules	Dec 2016	3.138	ISPP at King Saud University 0042
10	Structural and dielectric properties of sol-gel synthesized (Mn, Cu) co-doped BiFeO <sub>3</sub> ceramics	Khalid, A Ali, M Mustafa, GM Atiq, S Ramay, SM Mahmood, A Naseem, S	Univ Punjab, Ctr Excellence Solid State Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11451, Saudi Arabia	Journal of Sol- Gel Science and Technology	Dec 2016	1.473	KSU RG 1435-004
11	Natural polymers supported copper nanoparticles for pollutants degradation	Haider, S Kamal, T Khan, SB Omer, M	King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi	Applied Surface Science	Dec 2016	3.150	N/A

		Haider, A Khan, FU Asiri, AM	Arabia  King Abdulaziz Univ, Fac Sci, Dept Chem, POB 80203, Jeddah 21589, Saudi Arabia  King Abdulaziz Univ, CEAMR, POB 80203, Jeddah 21589, Saudi Arabia  Univ Swat, Inst Chem Sci, Swat 19130, Khyber Pakhtunk, Pakistan  Yeungnam Univ, Coll Engn, Dept Nano Med & Polymer Mat, 280 Daehak Ro, Gyongsan 712749, South Korea				
12	Physicochemical properties of piperidinium, ammonium, pyrrolidinium and morpholinium cations based ionic liquids paired with bis(trifluoromethylsulfonyl)imide anion	Ibrahim, MH Hayyan, M Hashim, MA Hayyan, A Hadj-Kali, MK	Univ Malaya, Dept Chem Engn, Kuala Lumpur 50603, Malaysia  Univ Malaya, Univ Malaya Ctr Ion Liquids UMCiL, Kuala Lumpur 50603, Malaysia  Univ Malaya, Acad Islamic Studies, IHRUM, Kuala	Fluid Phase Equilibria	Nov 2016	<b>1.846</b>	KSU RGP-VPP- 108

			Lumpur 50603, Malaysia  King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia				
13	Modeling of gaseous hydrocarbons solubility in aqueous-amine systems by VTPR model	Hadj-Kali, MK Mokraoui, S Baudouin, O Duval, Q Richon, D	King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia  ProSim SA, Immeuble Strategie A, 51 Rue Ampere, F-31670 Toulouse, France  Univ KwaZulu Natal, Sch Chem Engr, Thermodynam Res Unit, Howard Coll Campus, King George V Ave, ZA-4041 Durban, South Africa	Fluid Phase Equilibria	Nov 2016	<b>1.846</b>	KSU RGP-VPP- 108
14	Structural, elastic, electronic and magnetic properties of Ba <sub>2</sub> XOsO <sub>6</sub> (X = Li, Na, Ca)	Faizan, M Khan, SH Murtaza, G	Univ Peshawar, Dept Phys, Peshawar,	Indian Journal of Physics	Nov 2016	<b>1.166</b>	KSU RGP-1436-26

	double perovskites	Khan, A Khenata, R Mahmood, A Hussain, S Ali, MA	Pakistan  Islamia Coll Univ, Dept Phys, Mat Modeling Lab, Peshawar, Pakistan  Univ Mascara, LPQ3M, Mascara 29000, Algeria  King Saud Univ, Dept Chem Engn, Coll Engn, POB 2455, Riyadh 11451, Saudi Arabia				
15	Optimization of location of thermo-compressor suction in MED-TVC desalination plants	Al-Mutaz, IS Wazeer, I	King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Desalination and Water Treatment	Nov 2016	1.272	N/A
16	ZrxCo0.8-xNi0.2-xFe2O4-graphene nanocomposite for enhanced structural, dielectric and visible light photocatalytic applications	Rasheed, A Mahmood, M Ali, U Shahid, M Shakir, I Haider, S Khan, MA Warsi, MF	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan  King Saud Univ, Coll Engn, Deanship Sci Res, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll	Ceramics International	Nov 2016	2.758	KSU RG-1437-029

			<p>Engn, Riyadh 11421, Saudi Arabia</p> <p>Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p>				
17	<p>Fabrication and characterization of Ni<sub>1+X</sub> ZrXFe<sub>2-2X</sub>O<sub>4</sub> nanoparticles for potential applications in high frequency devices</p>	<p>Dilshad, M Nazim, S Warsi, MF Shahid, M Naseem, S Riaz, S Shakir, I Haider, S Khan, MA</p>	<p>Allama Iqbal Open Univ, Dept Phys, Islamabad, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p>Univ Punjab, Ctr Excellence Solid State Phys, Lahore 54590, Pakistan</p> <p>King Saud Univ, Coll Engn, Sci Res, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p>	<p>Ceramics International</p>	<p>Nov 2016</p>	<p><b>2.758</b></p>	<p>KSU RG-1437-029</p>

18	Modeling of CO <sub>2</sub> Solubility in Selected Imidazolium-Based Ionic Liquids	Emad Ali, Mohamed K. Hadj-Kali Inas Alnashef	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia	Chemical Engineering Communications	Nov 2016	1.433	N/A
19	Stromal Cells Attachment, Proliferation and Nano-Mechanical Behavior of High Density Polyethylene/Carbon Nanotubes/Nanoclay as Artificial Hip and Knee Joint Bearing Material	Al Rez, MF Alothman, OY Fouad, H Mahmood, A ALFotawi, R Ansari, SG Fouad, M Hashem, M Al-Jassir, FF	<p>King Saud Univ, Dept Biomed Technol, Coll Appl Med Sci, Riyadh 11437, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Anat, Coll Med, Stem Cell Unit, Riyadh 11461, Saudi Arabia</p> <p>King Saud Univ, Fac Dent, Oral &amp; Maxillofacial Surg Dept, Riyadh 11461, Saudi Arabia</p> <p>Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India</p> <p>King Saud Univ, Orthoped Surg Res Chair, Riyadh 11461, Saudi Arabia</p>	Nanoscience and Nanotechnology Letters	Oct 2016	1.007	KSU DSR

			King Saud Univ, Dept Dent Hlth, Coll Appl Med Sci, Riyadh 11437, Saudi Arabia				
20	First-principles study of the double perovskites Sr <sub>2</sub> XOsO <sub>6</sub> (X = Li, Na, Ca) for spintronics applications	Faizan, M Murtaza, G Khan, SH Khan, A Mehmood, A Khenata, R Hussain, S	Univ Peshawar, Dept Phys, Peshawar 25120, Pakistan  Islamia Coll Univ, Dept Phys, Mat Modeling Lab, Peshawar 25120, Pakistan  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11451, Saudi Arabia  Univ Mascara, Dept Technol, Lab Phys Quant & Modelisat Math, Mascara 29000, Algeria	Bulletin of Materials Science	Oct 2016	0.895	KSU RGP-VVP-311
21	Stacking nature and band gap opening of graphene: Perspective for optoelectronic applications	Ullah, N Zhang, RQ Murtaza, G Yar, A Mahmood, A	Govt Degree Coll Darra Adam Khel, Dept Phys, Fr Kohat, Pakistan  City Univ Hong Kong, Dept Phys & Mat Sci, Hong Kong, Hong Kong, Peoples R China	Solid State Communications	Oct 2016	1.458	KSU RGP-VVP-311

			<p>Islamia Coll Univ, Dept Phys, Mat Modeling Lab, Peshawar, Pakistan</p> <p>Kohat Univ Sci &amp; Technol, Dept Phys, Kohat 26000, Khyber Pakhtunk, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11451, Saudi Arabia</p>				
22	Electronic structure and magnetic properties of Zn <sub>1-x</sub> TM <sub>x</sub> Te (TM = Fe, Co, Ni) for 0 ≤ x ≤ 1 alloys	<p>Mahmood, Q Faridi, A Mahmood, A Rashid, M Hassan, M Noor, NA</p>	<p>Univ Punjab, Dept Phys, Quaid E Azam Campus, Lahore 54590, Pakistan</p> <p>Univ Punjab, Ctr High Energy Phys, Quaid E Azam Campus, Lahore 54590, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</p> <p>COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan</p> <p>Univ Management &amp;</p>	International Journal of Modern Physics B	Sep 2016	<b>0.850</b>	<p>KSU RGP-VVP- 311 &amp; D/605/Est.I 24-02-2015 Pakistan</p>



			Technol, Dept Phys, Sch Sci, Lahore, Pakistan				
23	Computational study of Cu <sub>2</sub> ZnSn (X <sub>1-x</sub> Tex) <sub>4</sub> (X = S, Se) for optoelectronic applications	Ullah, N Murtaza, G Iqbal, MA Mahmood, A Khenata, R	GDC Darra Adam Khel, Dept Phys, Fr Kohat, Kpk, Pakistan  Islamia Coll Univ, Dept Phys, Mat Modeling Lab, Peshawar, Pakistan  Univ Management & Technol, Sch Sci, Dept Phys, Lahore, Pakistan  King Saud Univ, Dept Chem Engn, Coll Engn, POB 2455, Riyadh 11451, Saudi Arabia  Univ Mascara, Fac Sci & Technol, Lab LPQ3M, Mascara, Algeria	International Journal of Modern Physics B	Sep 2016	<b>0.850</b>	KSU RGP-VVP- 311
24	Elastic and optoelectronic properties of novel Ag <sub>3</sub> AuSe <sub>2</sub> and Ag <sub>3</sub> AuTe <sub>2</sub> semiconductors	Faizan, M Murtaza, G Azam, S Khan, SA Mahmood, A Yar, A	Univ Peshawar, Dept Phys, KPK, Peshawar, Pakistan  Islamia Coll Peshawar, Mat Modeling Lab, Dept Phys, Peshawar,	Materials Science In Semiconductor Processing	Sep 2016	<b>2.264</b>	KSU RGP-VVP- 311

			<p>Pakistan</p> <p>Univ West Bohemia, New Technol Res Ctr, Univ 8, Plzen 30614, Czech Republic</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>Kohat Univ Sci &amp; Technol, Dept Phys, Kohat 26000, Khyber Pakhtunk, Pakistan</p>				
25	MD SIMULATION STUDY THE COLLISION OF A DIATOMIC HYDROGEN ( $v=0, j=0$ ) MOLECULE WITH A NANOSIZE COPPER ATOMIC CLUSTER (Cu-9)	Awad, MA Eisa, NE Mahgoub, ASA Hendi, AA Ortashi, KMO	<p>King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11321, Saudi Arabia</p> <p>Univ Dammam, Dept Phys, POB 1982, Dammam 31441, Saudi Arabia</p> <p>Univ Khartoum, Dept Phys, Khartoum, Sudan</p> <p>King Saud Univ, Fac Sci, Dept Phys, Riyadh 11321, Saudi Arabia</p> <p>King Saud Univ, Dept</p>	Journal of Ovonic Research	Sep 2016	<b>0.692</b>	KSU RGP-278

			Chem Engn, Riyadh 11421, Saudi Arabia				
26	Understanding the physical properties, toxicities and anti-microbial activities of choline-amino acid-based salts: Low-toxic variants of ionic liquids	Foulet, A Ben Ghanem, O El-Harbawi, M Leveque, JM Mutalib, MIA Yin, CY	Univ Teknol PETRONAS, Dept Chem Engn, Tronoh 31750, Perak, Malaysia  Univ Savoie, Lab Chim Mol & Environm, Campus Technolac, F-73376 Le Bourget Du Lac, France  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia  Univ Teesside, Sch Sci & Engn, Middlesbrough TS1 3BA, Cleveland, England	Journal of Molecular Liquids	Sep 2016	2.740	KSU RGP-303
27	Synthesis and investigation of photocatalytic properties of Au/Fe <sub>3</sub> O <sub>4</sub> nanocomposite materials for degradation of methylene blue	Mahmood, A Ramay, SM Al-Zaghayer, YS AlHazaa, AAN Al Masary, WA Atiq, S	King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia  King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia	Desalination and Water Treatment	Sep 2016	1.272	KSU RGP-VPP- 106

			King Saud Univ, Supervisor Ind Catalysts Res Chair, Riyadh 11421, Saudi Arabia  Univ Punjab, Ctr Excellence Solid State Phys, New Campus, Lahore 54590, Pakistan				
28	Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO <sub>3</sub> multiferroic nanoparticles	Khalid, A Atiq, S Ramay, SM Mahmood, A Mustafa, GM Riaz, S Naseem, S	Univ Punjab, Ctr Excellence Solid State Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Journal of Materials Science- Materials In Electronics	Sep 2016	1.798	KSU RG 1435-004
29	Structural, spectral, dielectric and photocatalytic studies of Zr-Ni doped MnFe <sub>2</sub> O <sub>4</sub> co- precipitated nanoparticles	Nazir, S Sami, S Haider, S Shahid, M Sher, M Warsi, MF Nadeem, Q	Islamia Univ Bahawalpur, Dept Chem, Baghdad UI Jadeed Campus, Bahawalpur 63100, Pakistan	Ceramics International	Sep 2016	2.758	KSU RG-1437-029

		Khan, MA	<p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Phys, Baghdad UI Jadeed Campus, Bahawalpur 63100, Pakistan</p>				
30	Investigations on spatial distribution of low temperature plasma parameters using NiCr wire probe diagnostic	<p>Naz, MY</p> <p>Shukrullah, S</p> <p>Sulaiman, SA</p> <p>Najeeb-ur-Rehman</p> <p>Khan, Y</p> <p>Ghaffar, A</p> <p>Ullah, S</p>	<p>Univ Teknol PETRONAS, Dept Mech Engn, Bandar Seri Iskandar 32610, Perak, Malaysia</p> <p>Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan</p> <p>COMSATS Inst Informat Technol, Dept Phys, Islamabad, Pakistan</p> <p>King Saud Univ, Coll Engn, Riyadh, Saudi Arabia</p> <p>Univ Teknol PETRONAS, Dept</p>	Measurement	Sep 2016	1.742	KSU RG-1436-012

			Chem Engn, Bandar Seri Iskandar 32610, Perak, Malaysia				
31	Spin-polarized calculations of structural, electronic and magnetic properties of Half Heusler alloys FeVX (X=Si, Ge, Sn) using Ab-initio method	Sattar, MA Rashid, M Hashmi, MR Rasool, MN Mahmood, A Ahmad, SA	Islamia Univ Bahawalpur, Dept Phys, Simulat Lab, Bahawalpur 63100, Pakistan  COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Materials Science In Semiconductor Processing	Sep 2016	2.264	KSU RGP-VPP-311 & (HEC) of Pakistan
32	Measurements and prediction of ternary liquid-liquid equilibria for mixtures of IL plus sulfur compound plus hexadecane	Ahmed, OU Mjalli, FS Hadj-Kali, MK Al-Wahaibi, T Al-Wahaibi, Y	Sultan Qaboos Univ, Petr & Chem Engn Dept, Muscat, Oman  King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Fluid Phase Equilibria	Aug 2016	1.846	KSU IRG 14-13 & S.Qaboos University, Oman
33	Atomic layer deposition of TiO2 film on a polyethersulfone membrane: separation applications	Alam, J Alhoshan, M Dass, LA Shukla, AK Muthumareswaran, MR Hussain, M	King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem	Journal of Polymer Research	Aug 2016	1.969	King Abdullah Institute for Nanotechnology

		Aldwayyan, AS	Engn, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Phys & Astron, Coll Sci, PO 2454, Riyadh 11541, Saudi Arabia				
34	Removal of Thiophene from Mixtures with n-Heptane by Selective Extraction Using Deep Eutectic Solvents	Hadj-Kali, MK Mulyono, S Hizaddin, HF Wazeer, I El-Blidi, L Ali, E Hashim, MA AlITashef, IM	King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  Univ Malaya, Fac Engn, Dept Chem Engn, UMCiL, Kuala Lumpur 50603, Malaysia  Masdar Inst Sci & Technol, Dept Chem & Environm Engn, Abu Dhabi, U Arab Emirates	Industrial & Engineering Chemistry Research	Aug 2016	<b>2.567</b>	KSU IRG14- 13
35	Optimisation of cheese whey enzymatic hydrolysis and further continuous production of antimicrobial extracts by Lactobacillus plantarum CECT-221	Rodriguez-Pazo, N Sabo, SD Salgado-Seara, JM Al Arni, S Oliveira, RPD Dominguez, JM	Univ Vigo, Fac Sci, Dept Chem Engn, Ourense Campus,As Lagoas S-N, Orense 32004, Spain  Univ Sao Paulo, Fac Pharmaceut Sci, Biochem &	Journal of Dairy Research	Aug 2016	<b>1.500</b>	Spanish Ministry of Economy and Competitiveness

			<p>Pharmaceut Technol Dept, Ave Prof Lineu Prestes 580,Blvd 16, BR-05508900 Sao Paulo, Brazil</p> <p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
36	Gelatin and amylopectin-based phase-separated hydrogels: An in-depth analysis of the swelling, mechanical, electrical and drug release properties	<p>Yadav, I Shaw, GS Nayak, SK Banerjee, I Shaikh, H Al-Zahrani, SM Anis, A Pal, K</p>	<p>Natl Inst Technol, Dept Biotechnol &amp; Med Engn, Rourkela 769008, India</p> <p>King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p>	Iranian Polymer Journal	Aug 2016	1.684	KSU RG 1435-015
37	Preparation of Chito-Oligomers by Hydrolysis of Chitosan in the Presence of Zeolite as Adsorbent	<p>Ibrahim, KA El-Eswed, BI Abu-Sbeih, KA Arafat, TA Al Omari, MMH Darras, FH Badwan, AA</p>	<p>King Saud Univ, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Al Balqa Appl Univ, Zarqa Coll, Dept Basic Sci, Zarqa 13110, Jordan</p> <p>Al Hussein Bin Talal Univ, Fac Sci, Dept</p>	Marine Drugs	Aug 2016	3.345	N/A



			<p>Chem, Maan 71111, Jordan</p> <p>Petra Univ, Fac Pharm &amp; Med Technol, Dept Pharmaceut Med Chem &amp; Pharmacognosy, POB 961343, Amman 11196, Jordan</p> <p>Jordanian Pharmaceut Mfg Co, RIC, POB 94, Naur 11710, Jordan</p> <p>Jordanian Pharmaceut Mfg Co, POB 94, Naur 11710, Jordan</p>				
<b>38</b>	Electronic and Optical Properties of Ca <sub>3</sub> MN (M = Ge, Sn, Pb, P, As, Sb and Bi) Antiperovskite Compounds	<p>Iqbal, S Murtaza, G Khenata, R Mahmood, A Yar, A Muzammil, M Khan, M</p>	<p>Kohat Univ Sci &amp; Technol, Dept Phys, Kohat 26000, Khyber Pakhtunk, Pakistan</p> <p>Islamia Coll Peshawar, Dept Phys, Mat Modeling Lab, Peshawar, Pakistan</p> <p>Univ Mascara, Fac Sci &amp; Technol, LPQ3M Lab, Mascara, Algeria</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi</p>	Journal of Electronic Materials	Aug 2016	<b>1.491</b>	<b>KSU</b> RGP-VPP- 311

			Arabia				
39	Novel synthesized antipyrine derivative based "Naked eye" colorimetric chemosensors for Al <sup>3+</sup> and Cr <sup>3+</sup>	Kumawat, LK Mergu, N Asif, M Gupta, VK	Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa  Indian Inst Technol Roorkee, Dept Chem, Roorkee 247667, Uttar Pradesh, India  King Saud Univ, Dept Chem Engn, Riyadh 11451, Saudi Arabia	Sensors and Actuators B- Chemical	Aug 2016	4.758	KSU RGP-1437-31
40	Electronic, bonding, linear and non-linear optical properties of novel Li <sub>2</sub> Ga <sub>2</sub> GeS <sub>6</sub> compound	Khan, W Murtaza, G Ouahrani, T Mahmood, A Khenata, R Monir, ME Baltache, H	Univ W Bohemia, New Technol Res Ctr, Univ 8, Plzen 30614, Czech Republic  Islamia Coll Peshawar, Dept Phys, Kpk, Pakistan  Univ Tlemcen, Phys Theor Lab, BP 230, Tilimsen 13000, Algeria  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Mascara, Lab Phys Quant Matiere &	Journal of Alloys and Compounds	Jul 2016	3.014	RGP-1436-26 & Ministry of Education, Youth, and Sports

			Modelisat Math LPQ3M, Mascara 29000, Algeria				
41	Influence of sintering temperature on structural, morphological and magnetic properties of barium hexaferrite nanoparticles	Shafqat, MB Arif, O Atiq, S Saleem, M Ramay, SM Mahmood, A Naseem, S	Univ Punjab, Ctr Excellence Solid State Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  LUMS, Opposite Sect U, DHA, Sch Sci & Engn, Lahore 54792, Pakistan  King Saud Univ, Coll Sci, Dept Phys & Astron, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11424, Saudi Arabia	Modern Physics Letters B	Jul 2016	0.547	KSU RG-1435-004
42	Water absorption behaviour and impact strength of kenaf-kevlar reinforced epoxy hybrid composites	Yahaya, R Sapuan, SM Jawaid, M Leman, Z Zainudin, ES	Univ Putra Malaysia, Dept Mech & Mfg Engn, Upm Serdang 43400, Selangor, Malaysia  Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP,	Advanced Composites Letters	Jul 2016	0.158	Universiti Putra Malaysia

			<p>Lab Biocomposite Technol, Upm Serdang 43400, Selangor, Malaysia</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia</p> <p>Sci &amp; Technol Res Inst Def STRIDE, Kajang 43000, Selangor, Malaysia</p>				
43	First principles study of structural, optoelectronic and thermoelectric properties of $Cu_2CdSnX_4$ (X=S, Se, Te) chalcogenides	<p>Hussain, S Murtaza, G Khan, SH Khan, A Ali, MA Faizan, M Mahmood, A Khenata, R</p>	<p>Univ Peshawar, Dept Phys, Peshawar, Pakistan</p> <p>Islamia Coll Peshawar, Mat Modeling Lab, Dept Phys, Kpk, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>Univ Mascara, Fac Sci &amp; Technol, LPQ3M Lab, Mascara, Algeria</p>	Materials Research Bulletin	Jul 2016	2.435	KSU PRG-1436-26
44	Shift of indirect to direct bandgap and thermoelectric response of the cubic $BiScO_3$	<p>Noor, NA Rashid, M Alay-e-Abbas, SM</p>	<p>Univ Management &amp; Technol, Sch Sci, Dept Phys, Lahore,</p>	Materials Science In Semiconductor	Jul 2016	2.264	KSU RG 1435-004

	via DFT-mBJ studies	Raza, M Mahmood, A Ramay, SM Murtaza, G	Pakistan COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan  Univ Ghent, Ctr Mol Modeling, B-9000 Ghent, Belgium  Univ Mons, Chim Interact Plasma Surface ChIPS, 23 Pl Parc, B-7000 Mons, Belgium  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia  Islamia Coll Peshawar, Dept Phys, Kpk, Pakistan	Processing			
45	Coke Suppression by Holmium Promoter in Dry Reforming of Methane	Fakeeha, AH Naeem, MA Abasaheed, AE Ibrahim, AA Khan, WU Al Fatesh, AS	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of The Chemical Society of Pakistan	Jun 2016	0.276	KSU RG-1436-119

46	Suitability of Titania and Magnesia as Support for Methane Decomposition Catalyst Using Iron as Active Materials	Fakeeha, AH Al-Fatesh, AS Khan, WU Ibrahim, AA Al-Otaibi, RL Abasaheed, AE	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  King Abdulaziz City Sci & Technol, POB 6086, Riyadh 11442, Saudi Arabia	Journal of Chemical Engineering Of Japan	Jun 2016	0.553	KACST AT-34-4
47	Influence of copper ion doping on structural, optical and redox properties of CeO <sub>2</sub> nanoparticles	Ansari, AA Labis, J Alam, M Ramay, SM Ahmad, N Mahmood, A	King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Sci, Res Ctr, POB 2455, Riyadh, Saudi Arabia  King Saud Univ, Dept Phys, POB 2455, Riyadh, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia	Journal of Electroceramics	Jun 2016	1.263	KSU RPG-1436-26
48	Structural and Optoelectronic Properties of X(3)ZN (X = Ca, Sr, Ba; Z = As, Sb, Bi) Anti-Perovskite Compounds	Ullah, I Murtaza, G Khenata, R Mahmood, A Muzzamil, M Amin, N Saleh, M	Hazara Univ, Dept Phys, Mansehra, KPK, Pakistan  Islamia Coll Univ, Dept Phys, Mat Modeling Lab, Peshawar, Pakistan	Journal of Electronic Materials	Jun 2016	1.491	KSU RPG-1436-26

			<p>Univ Mascara, Fac Sci &amp; Technol, LPQ3M Lab, Mascara, Algeria</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>GC Univ Faisalabad, Dept Phys, 9 Allama Iqbal Rd, Faisalabad 38000, Pakistan</p>				
49	Production of hydrogen from methane over lanthanum supported bimetallic catalysts	<p>Fakeeha, AH Khan, WU Al-Fatesh, AS Ibrahim, AA Abasaheed, AE</p>	<p>King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p>	International Journal of Hydrogen Energy	May 2016	3.205	N/A
50	Understanding the interaction between biomacromolecules and their influence on forward osmosis process	<p>Arkhangelsky, E Wicaksana, F Al-Rabiah, AA Al-Zahrani, SM Wang, R</p>	<p>Nazarbayev Univ, Dept Civil Engn, 53 Kabanbay Batyr Ave, Astana 010000, Kazakhstan</p> <p>Univ Auckland, Dept Chem &amp; Mat Engn, Auckland 1142, New Zealand</p> <p>King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>Nanyang Technol Univ, Sch Civil &amp;</p>	Desalination	May 2016	4.412	KSU DSR

			Environm Engn, 50 Nanyang Ave, Singapore 639798, Singapore				
51	Effect of Tween 20 on the Properties of Stearate Oleogels: an in-Depth Analysis	Uvanesh, K Sagiri, SS Banerjee, I Shaikh, H Pramanik, K Anis, A Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India  King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of the American Oil Chemists Society	May 2016	1.505	KSU  RG 1435-015
52	Effect of sorbitan monostearate concentration on the thermal, mechanical and drug release properties of oleogels	Sagiri, SS Kasivswanathan, U Shaw, GS Singh, M Anis, A Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, Orissa, India  King Saud Univ, Dept Chem Engn, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia	Korean Journal of Chemical Engineering	May 2016	1.408	Department of Biotechnology , Govt. of India
53	Rheological and mechanical properties of polypropylene/calcium carbonate nanocomposites prepared from masterbatch	Chafidz, A Kaavessina, M Al-Zahrani, S Al-Otaibi, MN	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  Sebelas Maret Univ, Dept Chem Engn, Surakarta, Indonesia	Journal of Thermoplastic Composite Materials	May 2016	0.922	KSU RGP-VPP- 095
54	Structural, Magnetic, and Optoelectronic Properties of	Monir, ME Baltache, H	Univ Mascara, Lab Phys Quant Mat &	Journal of Superconductivit	May 2016	1.100	KSU RGP-1436-26



	TbNi <sub>5</sub> , TbNi <sub>3</sub> Ti <sub>2</sub> and TbNi <sub>3</sub> V <sub>2</sub> Compounds	Khenata, R Murtaza, G Mahmood, A	Modelisat Math LPQ3M, Mascara 29000, Algeria  Islamia Coll Peshawar, Dept Phys, Peshawar, KPK, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, POB 2455, Riyadh 11451, Saudi Arabia	y and Novel Magnetism			
55	Theoretical Investigation of Half-metallic Ferromagnetism in Mg <sub>0.75</sub> Ti <sub>0.25</sub> Y (Y = S, Se, Te) Alloys by Using DFT-mBJ Studies	Mahmood, Q Alay-E-Abbas, SM Yaseen, M Mahmood, A Rashid, M Noor, NA	Univ Punjab, Dept Phys, Quaid e Azam Campus, Lahore 54590, Pakistan  Univ Faisalabad, Govt Coll, Dept Phys, Allama Iqbal Rd, Faisalabad 38000, Pakistan  Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  COMSATS Inst Informat Technol,	Journal of Superconductivit y and Novel Magnetism	May 2016	1.100	KSU RGP-1436-26

			<p>Dept Phys, Islamabad 44000, Pakistan</p> <p>Univ Punjab, Ctr High Energy Phys, Quaid e Azam Campus, Lahore 54590, Pakistan</p>				
<b>56</b>	A review on flammability of epoxy polymer, cellulosic and non-cellulosic fiber reinforced epoxy composites	<p>Saba, N Jawaid, M Paridah, MT Al-othman, OY</p>	<p>Univ Putra Malaysia, Inst Trop Forestry &amp; Forest Prod INTROP, Lab Biocomposite Technol, Serdang 43400, Selangor, Malaysia</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p>	Polymers for Advanced Technologies	May 2016	<b>1.823</b>	Universiti Putra Malaysia
<b>57</b>	Electronic quality improvement of crystalline silicon by stain etching-based PS nanostructures for solar cells application	<p>Khezami, L Jemai, AB Alhathloul, R Ben Rabha, M</p>	<p>Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Chem, Coll Sci, POB 5701, Riyadh 11432, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Al Imam Mohammad</p>	Solar Energy	May 2016	<b>3.685</b>	KSU CoE

			<p>Ibn Saud Islamic Univ IMSIU, Dept Phys, Coll Sci, POB 5701, Riyadh 11432, Saudi Arabia</p> <p>Riyadh Coll Technol, Tech &amp; Vocat Training Corp, POB 42826, Riyadh 11551, Saudi Arabia</p>				
58	Production of bacteriocin-like inhibitory substances (BLIS) by Bifidobacterium lactis using whey as a substrate	<p>Balciunas, EM Al Arni, S Converti, A Leblanc, JG De Souza Oliveira, RP</p>	<p>Univ Sao Paulo, Fac Pharmaceut Sci, Dept Biochem &amp; Pharmaceut Technol, Ave Lineu Prestes 580, BR-13560 Sao Carlos, Brazil</p> <p>King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Univ Genoa, Dept Civil Chem &amp; Environm Engr, Pole Chem Engr, Via Opera Pia 15, Genoa, Italy</p> <p>Ctr Referencia Lactobacillus CERELA CONICET, Chacabuco 145, San</p>	International Journal of Dairy Technology	May 2016	0.912	KSU IRG14-24

			Miguel De Tucuman, Tucuman, Argentina				
<b>59</b>	The study of electronic, elastic, magnetic and optical response of Zn <sub>1-x</sub> Ti <sub>x</sub> Y (Y = S, Se) through mBJ potential	Mahmood, Q Hassan, M Faridi, MA Sabir, B Murtaza, G Mahmood, A	Univ Punjab, Dept Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  Univ Punjab, Ctr High Energy Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  Govt Coll Univ, Ctr Adv Studies Phys, Lahore 54000, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Current Applied Physics	May 2016	<b>2.144</b>	KSU RGP-1436-26
<b>60</b>	A random forest approach for predicting the removal of Congo red from aqueous solutions by adsorption onto tin sulfide nanoparticles loaded on activated carbon	Dehghanian, N Ghaedi, M Ansari, A Ghaedi, A Vafaei, A Asif, M Agarwal, S Tyagi, I Gupta, VK	Islamic Azad Univ, Sci & Res Branch, Dept Chem, Fars, Iran  Univ Yasuj, Dept Chem, Yasuj 7591874831, Iran  Islamic Azad Univ, Gachsaran Branch, Dept Chem, Fac Sci, POB 75818-63876, Gachsaran, Iran	Desalination and Water Treatment	Apr 2016	<b>1.272</b>	N/A

			<p>King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</p> <p>Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India</p>				
61	Influence of Yb <sup>3+</sup> on the structural, dielectric and magnetic properties of Mg <sub>0.7</sub> Co <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> nanocrystallites synthesized via co-precipitation route	<p>Ejaz, M Mahmood, A Khan, MA Hussain, A Sultan, A Mahmood, A Chughtai, AH Ashiq, MN Warsi, MF Shakir, I</p>	<p>Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan</p> <p>Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan</p> <p>Quaid E Azam Med Coll, Bahawalpur 63100, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>Bahauddin Zakaryia Univ, Inst Chem Sci, Multan 60800, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, Riyadh 11421,</p>	Journal of Magnetism and Magnetic Materials	Apr 2016	2.357	KSU RGP-1436-25

			Saudi Arabia				
62	Characterization of silver nanoparticles prepared by wet chemical method and their antibacterial and cytotoxicity activities	Awad, MA Hendi, AA Ortashi, KMO Alotaibi, RA Sharafeldin, MS	King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia  King Saud Univ, Fac Sci, Dept Phys, Riyadh, Saudi Arabia  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Prince Sattam Bin Abdul Aziz Univ, Fac Sci & Humanitarian Studies, Riyadh, Saudi Arabia  Univ Khartoum, Fac Agr Food Sci & Technol, Khartoum, Sudan	Tropical Journal of Pharmaceutical Research	Apr 2016	0.543	KSU RGP- VPP- 278
63	Structural and Magnetic Properties of Chemically Synthesized Pd-Modified NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles	Atiq, S Ramay, SM Mahmood, A Riaz, S Naseem, S	Univ Punjab, Ctr Excellence Solid State Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi	Chinese Journal of Chemical Physics	Apr 2016	0.496	KSU RGP-1436-26

			Arabia King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia				
64	Investigations of mechanical, electronic, and magnetic properties of non-magnetic MgTe and ferro-magnetic $Mg_{0.75}TM_{0.25}Te$ (TM = Fe, Co, Ni): An ab-initio calculation	Mahmood, Q Alay-e-Abbas, SM Mahmood, I Mahmood, A Noor, NA	Univ Punjab, Dept Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  Univ Faisalabad, Govt Coll, Dept Phys, Allama Iqbal Rd, Faisalabad 38000, Pakistan  Univ Punjab, Ctr High Energy Phys, Quaid E Azam Campus, Lahore 54590, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Chinese Physics B	Apr 2016	1.436	KSU RGP-1436-26
65	Silver recovery aqueous techniques from diverse sources: Hydrometallurgy in recycling	Syed, S	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Waste Management	Apr 2016	3.829	KSU CoE
66	Half-Metallic Ferromagnetism in New Half-Heusler	Sattar, MA Rashid, M	Islamia Univ Bahawalpur, Dept	Journal of Superconductivity	Apr 2016	1.100	KSU RGP-1436-26

	Compounds: an Ab Initio Study of CrTiX (X = Si, Ge, Sn, Pb)	Rasool, MN Mahmood, A Hashmi, MR Ahmad, SA Imran, M Hussain, F	Phys, Simulat Lab, Bahawalpur 63100, Pakistan  COMSATS Inst Informat Technol, Dept Phys, Islamabad 44000, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan	y and Novel Magnetism			
67	Analysis of operating conditions for CO <sub>2</sub> capturing process using deep eutectic solvents	Ali, E Hadj-Kali, MK Mulyono, S Alnashef, I	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Greenhouse Gas Control	Apr 2016	4.064	KSU IRG14-13
68	Extractive denitrogenation of diesel fuel using ammonium- and phosphonium-based deep eutectic solvents	Hizaddin, HF Hadj-Kali, MK Ramalingam, A Hashim, MA	Univ Malaya, Fac Engn, Dept Chem Engn, UMCiL, Kuala Lumpur 50603, Malaysia  King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Chemical Thermodynamic s	Apr 2016	2.196	KSU IRG14-13
69	Rapid investigation of paraffin dehydrogenation catalyst by	He, SB Chen, D	Chinese Acad Sci, Dalian Inst Chem	Applied Catalysis A-	Mar 2016	4.012	Visiting Professor



	TPRn/SPI-TOF-MS technique for industrial application	<p>Cui, HP Lai, YL Sun, CL Li, HY Al-Fatesh, AS Aidid, IA Fakeeha, AH Seshan, K</p>	<p>Phys, Dalian Natl Lab Clean Energy, Dalian 116023, Peoples R China</p> <p>Fushun Petrochem Co, Res Inst, Fushun 113001, Peoples R China</p> <p>Chinese Acad Sci, Dalian Inst Chem Phys, Lab Rapid Separat &amp; Detect, Dalian 116023, Peoples R China</p> <p>King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia</p> <p>Univ Twente, MESA Inst Nanotechnol, Catalyt Proc &amp; Mat, NL-7500 AE Enschede, Netherlands</p>	General			Program at KSU
70	Synthesis of Vegetable Fat Containing Chitosan Microparticles with Improved Physical and Delivery Properties	<p>Wakhet, S Sagiri, SS Ray, SS Anis, A Pal, K</p>	<p>Natl Inst Technol, Dept Biotechnol &amp; Med Engn, Rourkela, India</p> <p>King Saud Univ, Dept Chem Engn, Riyadh,</p>	Polymer-Plastics Technology and Engineering	Mar 2016	1.511	India SR/FT/LS- 171/2009

			Saudi Arabia				
71	Milled goethite nanocrystalline for selective and fast uptake of cadmium ions from aqueous solution	Khezami, L M'hamed, MO Lemine, OM Bououdina, M Bessadok-Jemai, A	Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Coll Sci, Dept Chem, Riyadh, Saudi Arabia  Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Coll Sci, Dept Phys, Riyadh, Saudi Arabia  Univ Bahrain, Nanotechnol Ctr, POB 32038, Menama, Bahrain  King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Desalination and Water Treatment	Mar 2016	1.272	N/A
72	Study of divalent elements (Mg, Sr and Ba)-doped LaMnO <sub>3</sub> nano-manganites	Ramay, SM Mahmood, A Atiq, S Al Hazaa, AN	King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Punjab, Ctr Excellence Solid State	International Journal of Modern Physics B	Mar 2016	0.850	N/A

			Phys, Lahore 54590, Pakistan				
73	Influence of plasticizers and cryogenic grinding on the high-cooling-rate solidification behavior of PBT/PET blends	Poulose, AM Piccarolo, S Carbone, D Al-Zahrani, SM	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Palermo, INSTM Italy, Palermo, Italy  CNR, Ist Chim & Tecnol Polimeri, Catania, Italy	Journal of Applied Polymer Science	Mar 2016	1.866	Italian Ministry of Education
74	Effect of cobalt doping on structural, optical and redox properties cerium oxide nanoparticles	Ansari, AA Labis, J Alam, M Ramay, SM Ahmad, N Mahmood, A	King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh, Saudi Arabia  King Saud Univ, Coll Sci, Res Ctr, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Phys, Riyadh, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Phase Transitions	Mar 2016	0.858	KSU RGP-1436-26
75	Thermal/plasma treatment effect on photocatalytic degradation of aqueous solution of methylene blue using Au-	Mahmood, A Ramay, SM Al-Zaghayer, YS	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Desalination and Water Treatment	Mar 2016	1.272	KSU RGP-VPP-311

	doped Fe/TiO <sub>2</sub> photocatalyst	Atiq, S Ansari, SH	King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia  Univ Punjab, Ctr Excellence Solid State Phys, Lahore 54590, Pakistan  Natl Univ Sci & Technol, Ctr Energy Syst, Islamabad, Pakistan				
76	Chlorella vulgaris as a lipid source: Cultivation on air and seawater-simulating medium in a helicoidal photobioreactor	Frumento, D Aliakbarian, B Casazza, AA Converti, A Al Arni, S da Silva, MF	Univ Genoa, Dept Civil Chem & Environm Engn DICCA, I-16145 Genoa, Italy  King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia  Univ Fed Pernambuco, Ctr Biol Sci, Cidade Univ, BR-50670901 Recife, PE, Brazil	Biotechnology Progress	Mar 2016	2.167	KSU IRG14-24
77	Synthesis, Structural and Optical Properties of Mn-Doped Ceria Nanoparticles: A Promising Catalytic Material	Ansari, AA Labis, JP Alam, M Ramay, SM Ahmad, N	King Saud Univ, King Abdullah Inst Nanotechnol, POB 2455, Riyadh 11451, Saudi Arabia	ACTA Metallurgica Sinica-English Letters	Mar 2016	1.188	KSU RGP-1436-26

		Mahmood, A	<p>King Saud Univ, Coll Sci, Res Ctr, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Dept Phys, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11451, Saudi Arabia</p>				
78	Effect of Ce and Co Addition to Fe/Al <sub>2</sub> O <sub>3</sub> for Catalytic Methane Decomposition	<p>Al-Fatesh, AS</p> <p>Amin, A</p> <p>Ibrahim, AA</p> <p>Khan, WU</p> <p>Soliman, MA</p> <p>AL-Otaibi, RL</p> <p>Fakeeha, AH</p>	<p>King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Natl Res Ctr, Chem Engn &amp; Pilot Plant Dept, Div Res, 33 El Bohouth St, Cairo 12311, Egypt</p> <p>British Univ Egypt, Dept Chem Engn, El Shorouk 11837, Egypt</p> <p>King Abdulaziz City Sci &amp; Technol, Riyadh 11421, Saudi Arabia</p>	Catalysts	Mar 2016	2.964	KACST AT-34-4

79	Recent advances in epoxy resin, natural fiber-reinforced epoxy composites and their applications	Saba, N Jawaid, M Alothman, OY Paridah, MT Hassan, A	Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Selangor, Malaysia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Teknol Malaysia, Fac Chem Engn, Malaysia	Journal of Reinforced Plastics And Composites	Mar 2016	<b>0.901</b>	Universiti Putra Malaysia
80	Dynamic adsorption behavior and mechanism of Cefotaxime, Cefradine and Cefazolin antibiotics on CdS-MWCNT nanocomposites	Fakhri, A Rashidi, S Asif, M Tyagi, I Agarwal, S Gupta, VK	Islamic Azad Univ, Tehran, Iran  Islamic Azad Univ, South Tehran Branch, Dept Chem Engn, Tehran, Iran  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India	Journal of Molecular Liquids	Mar 2016	<b>2.740</b>	KSU RGP-VPP- 292
81	Effects of extrusion parameters on tensile strength of polybenzimidazole fiber-reinforced high density polyethylene composites	Anis, A Faiz, S Al-Zahrani, SM	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Polymer Engineering	Mar 2016	<b>0.631</b>	KSU RG 1435-015

82	Development of soy lecithin based novel self-assembled emulsion hydrogels	Singh, VK Pandey, PM Agarwal, T Kumar, D Banerjee, I Anis, A Pal, K	Aristo Pharmaceut Pvt Ltd, Madhya Pradesh, India  Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India  King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of the Mechanical Behavior of Biomedical Materials	Mar 2016	2.876	Department of Biotechnology, New Delhi, India
83	A review on dynamic mechanical properties of natural fibre reinforced polymer composites	Saba, N Jawaid, M Alothman, OY Paridah, MT	Univ Putra Malaysia, Inst Trop Forestry & Forest Prod, Selangor, Malaysia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Mar 2016	2.421	International Graduate Research Fellowship (IGRF) UPM-Malaysia grant
84	Electronic, optical and thermoelectric properties of XNMg <sub>3</sub> (X=P, As, Sb, Si) compounds	Basit, A Khan, SA Murtaza, G Mehmood, A Khenata, R Bin Omran, S Yaseen, M	Hazara Univ Mansehra, Dept Phys, Kpk 25000, Pakistan  Univ W Bohemia, Univ 8, Plzen 30614, Czech Republic  Islamia Coll Univ, Dept Phys, Peshawar 25000, Pakistan  King Saud Univ Riyadh, Dept Chem Engn, Coll	Materials Science In Semiconductor Processing	Mar 2016	2.264	KSU RGP-1436-26

			<p>Engn, Riyadh, Saudi Arabia</p> <p>Univ Mascara, Fac Sci &amp; Technol, Lab LPQ3M, Mascara, Algeria</p> <p>Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan</p>				
85	Probing the interactions of phenol with oxygenated functional groups on curved fullerene-like sheets in activated carbon	<p>Yin, CY</p> <p>Ng, MF</p> <p>Goh, BM</p> <p>Saunders, M</p> <p>Hill, N</p> <p>Jiang, ZT</p> <p>Balach, J</p> <p>El-Harbawi, M</p>	<p>Univ Teesside, Sch Sci &amp; Engn, Cleveland, England</p> <p>Agcy Sci Technol &amp; Res, Inst High Performance Comp, Singapore</p> <p>Newcastle Univ, England</p> <p>Univ Western Australia, WA 6009, Australia</p> <p>Murdoch Univ, Surface Anal &amp; Mat Engn Res Grp, WA 6150, Australia</p> <p>Dresden Inst Complex Mat, Germany</p> <p>King Saud Univ Riyadh, Dept</p>	Physical Chemistry Chemical Physics	Feb 2016	4.449	KSU RGP-VPP-303 & Teesside University's University Research Fund



			Chem Engn, Coll Engn, Riyadh, Saudi Arabia				
86	Growth Response of Cucumber Under Greenhouses Covered With Plastic Films	Alsadon, AA Al-Helal, IM Ibrahim, AA Abdel-Ghany, AM Al-Zaharani, SM Gulrez, SKH	King Saud Univ, Coll Food & Agr Sci, Plant Prod Dept, POB 2460, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Food & Agr Sci, Dept Agr Engn, POB 2460, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Animal and Plant Sciences	Feb 2016	0.422	NPST 09-DV914-02
87	Nanoclay-Reinforced High Density Polyethylene: Morphological and Nano-Indentation Characterizations	Alothman, OY Fouad, H Samad, UA Umar, A Ansari, SG	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, RCC, Dept Appl Sci Med, Riyadh 11437, Saudi Arabia  Najran Univ, Promising Ctr Sensors & Elect Devices, POB 1988, Najran 11001,	Science of Advanced Materials	Feb 2016	1.812	KSU RGP-VPP-133

			Saudi Arabia Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India				
88	Iron Oxide Supported on Al <sub>2</sub> O <sub>3</sub> Catalyst for Methane Decomposition Reaction: Effect of MgO Additive and Calcination Temperature	Al-Fatesh, AS Fakeeha, AH Ibrahim, AA Khan, WU Atia, H Eckelt, R Chowdhury, B	King Saud Univ, Coll Engn, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  Leibniz Inst Catalysis, Rostock, Germany  Indian Sch Mines, Dept Appl Chem, Dhanbad 826004, Bihar, India	Journal of The Chinese Chemical Society	Feb 2016	<b>0.879</b>	KSU RG-1436-119
89	Investigating Ballistic Impact Properties of Woven Kenaf-aramid Hybrid Composites	Yahaya, R Sapuan, SM Jawaid, M Leman, Z Zainudin, ES	Univ Putra Malaysia, Dept Mech & Mfg Engn, Serdang 43400, Malaysia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Fibers and Polymers	Feb 2016	<b>1.022</b>	Ministry of Education, Malaysia
90	Effect of Span 60 on the Microstructure, Crystallization Kinetics, and Mechanical Properties of Stearic Acid Oleogels: An In-Depth Analysis	Uvanesh, K Sagiri, SS Senthilguru, K Pramanik, K Banerjee, I Anis, A	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 69008, Orissa, India  King Saud Univ, Dept	Journal of Food Science	Feb 2016	<b>1.649</b>	KSU RG 1435-015

		Al-Zahrani, SM Pal, K	Chem Engn, Riyadh 11421, Saudi Arabia				
91	The effects of plastic greenhouse covering on cucumber ( <i>Cucumis sativus</i> L.) growth	Alsadon, A Al-Helal, I Ibrahim, A Abdel-Ghany, A Al-Zaharani, S Ashour, T	King Saud Univ, Plant Prod Dept, Coll Food & Agr Sci, POB 2460, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Agr Engn, Coll Food & Agr Sci, POB 2460, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11451, Saudi Arabia  Benha Univ, Dept Agr Engn, Fac Agr, POB 13736, Toukh, Qalubia, Egypt	Ecological Engineering	Feb 2016	2.740	NPST 09-DV914-02
92	First-principles Investigation of Half-metallicity and Ferrimagnet Properties of Co(2)ScZ (Z = As, Sb, and Bi)	Monir, ME Baltache, H Murtaza, G Mehmood, A	Univ Mascara, Mascara 29000, Algeria  Islamia Coll Peshawar, Dept Phys, Peshawar, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Superconductivity and Novel Magnetism	Feb 2016	1.100	KSU RGP-1436-26

93	Study of Half-Metallic Ferromagnetism in Be <sub>0.75</sub> Ti <sub>0.25</sub> Y (Y = S, Se, and Te) Using Ab Initio Calculations: Potential Candidate for Spintronic Devices	Mahmood, Q Alay-e-Abbas, SM Mahmood, A Yaseen, M Mahmood, I Noor, NA	Univ Punjab, Dept Phys, Lahore 54590, Pakistan  Univ Faisalabad, Dept Phys, Govt Coll, Faisalabad 38000, Pakistan  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan  Univ Punjab, Ctr High Energy Phys, Lahore 54590, Pakistan	Journal of Superconductivity and Novel Magnetism	Feb 2016	1.100	KSU RGP-1436-26
94	Synthesis of fatty acid methyl esters via the transesterification of waste cooking oil by methanol with a barium-modified montmorillonite K10 catalyst	Olutoye, MA Wong, SW Chin, LH Amani, H Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia  Univ Kuala Lumpur Int Coll, UniKL MICET, Alor Gajah 78000, Melaka, Malaysia  [ 3 ] King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Renewable Energy	Feb 2016	3.404	KSU IRG 14-16

95	Catalytic growth of vertically aligned neutron sensitive (10)Boron nitride nanotubes	Ahmad, P Khandaker, MU Amin, YM Khan, G Ramay, SM Mahmood, A Amin, M Muhammad, N	Univ Malaya, Kuala Lumpur 50603, Malaysia  King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia  Univ Punjab, Dept Phys, Lahore 54590, Pakistan  COMSATS, Lahore 54000, Pakistan	Journal of Nanoparticle Research	Jan 2016	2.101	KSU RGP-1436-26 & University of Malaya, Malaysia
96	La <sub>2</sub> O <sub>3</sub> supported bimetallic catalysts for the production of hydrogen and carbon nanomaterials from methane	Khan, WU Fakeeha, AH Al-Fatesh, AS Ibrahim, AA Abasaeed, AE	King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia	International Journal of Hydrogen Energy	Jan 2016	3.205	KSU RGP-1436-119
97	Highly active InO <sub>x</sub> /TUD-1 catalyst towards Baeyer-Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde	Kumar, R Das, PP Al-Fatesh, AS Fakeeha, AH Pandey, JK Chowdhury, B	Indian Sch Mines, Dept Appl Chem, Dhanbad 826004, Bihar, India  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Catalysis Communications	Jan 2016	3.389	KSU RG-1435-078 & CSIR Govt of India

			Cent Inst Min & Fuel Res, Dhanbad, Bihar, India				
98	Studies on High Density Polyethylene Reinforced with Phosphate Ore Particles: Thermal, Rheological, Mechanical and Morphological Properties	Shaikh, H Anis, A Poulose, AM Alam, M A-Otaibi, MN Alam, MA Al-Zahrani, SM	King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  King Saud Univ, Coll Sci, Res Ctr, Riyadh, Saudi Arabia  Saudi Basic Ind Corp, Mat Dev, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh, Saudi Arabia	Polymer-Plastics Technology and Engineering	2016	1.511	KSU RGP-095
99	Phoenix dactylifera mediated green synthesis of Cu <sub>2</sub> O particles for arsenite uptake from water	Amrani, MA Srikanth, VVSS Labhsetwar, NK Al-Fatesh, AS Shaikh, H	Univ Hyderabad, SEST, Hyderabad, Andhra Pradesh, India  CSIR NERI, Environm Mat Div, Nagpur, Maharashtra, India  King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh, Saudi Arabia	Science and Technology of Advanced Materials	2016	3.433	KSU RGP-1453-078  & Dept of Science and Technology, India
100	Hydrogen production by	Fakeeha, AH	King Saud Univ, Dept	Petroleum	2016	0.418	KSU RGP-

	catalytic methane decomposition over Ni, Co, and Ni-Co/Al <sub>2</sub> O <sub>3</sub> catalyst	Ibrahim, AA Khan, WU Abasaeed, AE Al-Fatesh, AS	Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Science and Technology			1453-078
<b>101</b>	An In-depth Analysis of the Mechanical, Electrical, and Drug Release Properties of Gelatin-Starch Phase-Separated Hydrogels	Mallick, SP Shaw, GS Uvanesh, K Biswal, D Nayak, S Sagiri, SS Singh, VK Bhattacharya, MK Anis, A Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, Odisha, India  Karimganj Coll, Dept Bot & Biotechnol, Karimganj, Assam, India  King Saud Univ, Dept Chem Engn, SABIC Polymer Res Ctr, Riyadh, Saudi Arabia	Polymer-Plastics Technology and Engineering	2016	<b>1.511</b>	Dept. of Biotechnology, Govt. of India
<b>102</b>	Crystallization and thermal stability of polypropylene/multi-wall carbon nanotube nanocomposites	Chafidz, A Latief, FH Al-Fatesh, AS Kaavessina, M	Univ Negeri Semarang, Dept Chem Engn, Semarang 50229, Indonesia  Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Mech Engn, POB 5701, Riyadh 11432, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi	Philosophical Magazine Letters	2016	<b>0.918</b>	KSU RG-1435-078

			<p>Arabia</p> <p>Sebelas Maret Univ, Dept Chem Engn, Surakarta 57126, Indonesia</p>				
<b>103</b>	<p>Nanoindentation Creep, Nano-Impact, and Thermal Properties of Multiwall Carbon Nanotubes-Polypropylene Nanocomposites Prepared via Melt Blending</p>	<p>Chafidz, A Latief, FH Samad, UA Ajbar, A Al-Masry, W</p>	<p>King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Al Imam Mohammad Ibn Saud Islamic Univ, Dept Mech Engn, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh, Saudi Arabia</p>	<p>Polymer-Plastics Technology and Engineering</p>	2016	<b>1.511</b>	KSU RGP-VPP-188
<b>104</b>	<p>MEMS-Based Controlled Drug Delivery Systems: A Short Review</p>	<p>Paul, SR Nayak, SK Anis, A Pal, K</p>	<p>Amity Univ, Amity Inst Biotechnol, Noida, India</p> <p>Natl Inst Technol, Dept Biotechnol &amp; Med Engn, Rourkela, India</p> <p>King Saud Univ, Dept Chem Engn, SABIC Polymer Res Ctr,</p>	<p>Polymer-Plastics Technology and Engineering</p>	2016	<b>1.511</b>	N/A



			Riyadh, Saudi Arabia				
<b>105</b>	Decomposition of methane over alumina supported Fe and Ni–Fe bimetallic catalyst: Effect of preparation procedure and calcination temperature	A.S. Al-Fatesh A.H. Fakeeha A.A. Ibrahim W.U. Khan H. Atia R. Eckelt K. Seshan B. Chowdhury	King Saud Univ, Dept Chem Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia  Leibniz Inst for Catalysis, Rostock, Germany  University of Twente, PO Box 217, 7500 AE, Enschede, The Netherlands  Dept of Applied Chemistry, Indian School of Mines, India	Journal of Saudi Chemical Society	2016	<b>1.978</b>	N/A
<b>106</b>	Review on Encapsulation of Vegetable Oils: Strategies, Preparation Methods, and Applications	Sagiri, SS Anis, A Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, India  King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia	Polymer-Plastics Technology and Engineering	2016	<b>1.511</b>	Science and Engineering Research Board (SERB), Govt of India
<b>107</b>	Effect of styrene-butadiene-styrene copolymer modification on properties of Saudi bitumen	Al-Rabiah, AA Abdelaziz, OY Montero, EM Aazam, MS	King Saud Univ, Chem Engr Dept, Riyadh 11421, Saudi Arabia  Lund Univ, Dept	Petroleum Science and Technology	2016	<b>0.418</b>	KSU, Research Center, CoE

			Chem Engn, Lund, Sweden  Dynasol Elastomeros SA, Gajano, Spain  Minist Transport, Mat & Res Dept, Riyadh, Saudi Arabia				
<b>108</b>	Enhancing Phosphate Grade Using Oleic Acid-Sodium Dodecyl Sulfate Mixtures	El-Midany, AA Arafat, Y	King Saud Univ, Dept Chem Engn, Fac Engn, Riyadh, Saudi Arabia	Chemical Engineering Communications	2016	<b>1.433</b>	KSU, Research Center, CoE
<b>109</b>	Facile synthesis of epoxy nanocomposite coatings using inorganic nanoparticles for enhanced thermo-mechanical properties: a comparative study	Khan, R Azhar, MR Anis, A Alam, MA Boumaza, M Al-Zahrani, SM	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia  Curtin Univ, Dept Chem Engn, Bentley, WA, Australia	Journal of Coatings Technology and Research	2016	<b>1.342</b>	KSU, Research Center, CoE
<b>110</b>	Effect of Frequency on Pulsed Fluidized Beds of Ultrafine Powders	Ali, SS Al-Ghurabi, EH Ajbar, A Mohammed, YA Boumaza, M Asif, M	King Faisal Univ, Dept Chem Engn, POB 380, Al Hasa 31982, Saudi Arabia  King Saud Univ, Dept Chem Engn, POB	Journal of Nanomaterials	2016	<b>1.758</b>	KSU RGP- VPP-292

			800, Riyadh 11421, Saudi Arabia				
111	High Dielectric Constant Study of TiO <sub>2</sub> -Polypyrrole Composites with Low Contents of Filler Prepared by In Situ Polymerization	Ahmed, K Kanwal, F Ramay, SM Mahmood, A Atiq, S Al-Zaghayer, YS	Univ Punjab, Inst Chem, New Campus, Lahore 54590, Pakistan  King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia  Univ Punjab, Ctr Excellence Solid State Phys, New Campus, Lahore 54590, Pakistan	Advances in Condensed Matter Physics	2016	0.932	KSU RGP-VPP-106
112	Studies on Thermal, Mechanical, Morphological, and Viscoelastic Properties of Polybenzimidazole Fiber Reinforced High Density Polyethylene Composites	Faiz, S Anis, A Luqman, M Al Zahrani, SM	King Saud Univ, Coll Engn, Dept Chem Engn, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia	Polymer Composites	Jan 2016	2.004	CEREM MS-P07

			<p>King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia</p> <p>ASharqiyah Univ, Coll Appl Sci, Dept Basic Sci, Ibra 400, Oman</p>				
<b>113</b>	Microwave-assisted synthesis of tetraethylenepentamine functionalized activated carbon with high adsorption capacity for Malachite green dye	<p>Ghasemi, M</p> <p>Mashhadi, S</p> <p>Asif, M</p> <p>Tyagi, I</p> <p>Agarwal, S</p> <p>Gupta, VK</p>	<p>Islamic Azad Univ, Arak Branch, Young Researchers &amp; Elite Club, Arak, Iran</p> <p>King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia</p> <p>Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India</p>	Journal of Molecular Liquids	Jan 2016	<b>2.740</b>	KSU RGP-VPP-292
<b>114</b>	Synthesis, structural and morphological characteristics of NiO nanoparticles Co-doped with boron and nitrogen	<p>Fakhri, A</p> <p>Behrouz, S</p> <p>Asif, M</p> <p>Tyagi, I</p> <p>Agarwal, S</p> <p>Gupta, VK</p>	<p>Islamic Azad Univ, Sci &amp; Res Branch, Young Researchers &amp; Elites Club, Tehran, Iran</p> <p>Islamic Azad Univ, Cent Tehran Branch, Dept Biol, Tehran, Iran</p> <p>King Saud Univ, Dept Chem Engn, Riyadh,</p>	Journal of Molecular Liquids	Jan 2016	<b>2.740</b>	KSU RGP-VPP-292 & National Research Foundation of South Africa

			Saudi Arabia Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India				
<b>115</b>	Removal of Bisphenol A from aqueous solutions using ultrasonic waves and hydrogen peroxide	Nikfar, E Dehghani, MH Mahvi, AH Rastkari, N Asif, M Tyagi, I Agarwal, S Gupta, VK	Univ Tehran Med Sci, Sch Publ Hlth, Dept Environm Hlth Engn, Tehran, Iran  Ctr Air Pollut Res, Inst Environm Res, Tehran, Iran  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India	Journal of Molecular Liquids	Jan 2016	<b>2.740</b>	KSU RGP- VPP-292
<b>116</b>	Removal of linear alkyl benzene sulfonate from aqueous solutions by functionalized multi-walled carbon nanotubes	Heibati, B Ghoochani, M Albadarin, AB Mesdaghinia, A Makhlouf, ASH Asif, M Maity, A	Univ Tehran Med Sci, Fac Publ Hlth, Dept Environm Hlth Engn, Tehran, Iran  Univ Limerick, Dept Chem & Environm Sci, Limerick, Ireland  Univ Tehran Med Sci, IER, CWQR, Tehran, Iran	Journal of Molecular Liquids	Jan 2016	<b>2.740</b>	KSU RGP- VPP-292

		Agarwal, S Gupta, VK	Univ Texas Pan Amer, Coll Engr & Comp Sci, Dept Mfg Engr, Edinburg, TX 78541 USA  King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia  CSIR Mat Sci & Mfg, Natl Ctr Nanostruct Mat, ZA-0001 Pretoria, South Africa  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India				
117	Equilibrium and kinetic study of ammonium ion adsorption by Fe <sub>3</sub> O <sub>4</sub> nanoparticles from aqueous solutions	Zare, K Sadegh, H Shahryari- ghoshekandi, R Asif, M Tyagi, I Agarwal, S Gupta, VK	Islamic Azad Univ, Sci & Res Branch, Dept Chem, Tehran, Iran  King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India	Journal of Molecular Liquids	Jan 2016	2.740	KSU RGP- VPP-292
118	Removal of malachite green from aqueous solutions by cuprous iodide-cupric oxide	Nekouei, F Noorizadeh, H	Islamic Azad Univ, Sci & Res Branch, Young Researchers &	Journal of Molecular Liquids	Jan 2016	2.740	KSU RGP- VPP-292

	nano-composite loaded on activated carbon as a new sorbent for solid phase extraction: Isotherm, kinetics and thermodynamic studies	Nekouei, S Asif, M Tyagi, I Agarwal, S Gupta, VK	Elite Club, Tehran, Iran  Islamic Azad Univ, Shiraz Branch, Young Researchers & Elite Club, Shiraz, Iran  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India  Univ Johannesburg, Dept Appl Chem, Johannesburg, South Africa				
119	Liquid phase determination of adrenaline uses a voltammetric sensor employing CuFe <sub>2</sub> O <sub>4</sub> nanoparticles and room temperature ionic liquids	Bavandpour, R Karimi-Maleh, H Asif, M Gupta, VK Atar, N Abbasghorbani, M	Grad Univ Adv Technol, Dept Chem, Kerman, Iran  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India  Pamukkale Univ, Dept Chem	Journal of Molecular Liquids	Jan 2016	2.740	KSU RGP-VPP-292

			Engn, Denizli, Turkey Res Inst Petr Ind, Gas Div, POB 14665-137, Tehran, Iran				
<b>120</b>	Removal of humic acid from aqueous solution using UV/ZnO nano-photocatalysis and adsorption	Oskoei, V Dehghani, MH Nazmara, S Heibati, B Asif, M Tyagi, I Agarwal, S Gupta, VK	Univ Tehran, Sch Publ Hlth, Dept Environm Hlth Engn, Tehran 14174, Iran  King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia  Indian Inst Technol, Dept Chem, Roorkee 247667, Uttar Pradesh, India	Journal of Molecular Liquids	Jan 2016	<b>2.740</b>	KSU RGP- VPP-292
<b>121</b>	Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures	El-Toni, AM Habib, MA Labis, JP Alothman, ZA Alhoshan, M Elzatahry, AA Zhang, F	King Saud Univ, King Abdullah Inst Nanotechnol, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Sci, Dept Chem, Adv Mat Res Chair, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Chem Engn, Riyadh 11451, Saudi Arabia  Qatar Univ, Coll Arts & Sci, Mat Sci &	Nanoscale	2016	<b>7.760</b>	NPST 12-NAN2544- 02



			Technol Program, POB 2713, Doha, Qatar  Fudan Univ, Dept Chem, Shanghai Key Lab Mol Catalysis, Shanghai 200433, Peoples R China				
<b>122</b>	Structural, mechanical, and electrical properties of carbon nanoparticles synthesized from diesel	Hossain, MA Islam, S Chowdhury, FA Mohiuddin, TG Uchida, K Tamura, T Sugawa, K Mochida, T Otsuki, J Alam, MS	Univ Dhaka, Fac Sci, Dept Chem, Dhaka 1000, Bangladesh  Atom Energy Ctr, Expt Phys Div, Dhaka, Bangladesh  Sultan Qaboos Univ, Coll Sci, Dept Phys, Muscat, Oman  Nihon Univ, Coll Sci & Technol, Chiyoda Ku, Tokyo 101, Japan  King Saud Univ, Coll Engr, Dept Chem Engr, POB 2455, Riyadh 11451, Saudi Arabia	Fullerenes Nanotubes and Carbon Nanostructures	2016	<b>0.812</b>	ISP, Sweden
<b>123</b>	Transesterification of waste cooking palm oil and palm oil to fatty acid methyl ester using cesium-modified silica catalyst	Amani, H Asif, M Hameed, BH	Univ Sains Malaysia, Sch Chem Engr, Engr Campus, Nibong Tebal 14300, Penang, Malaysia	Journal of The Taiwan Institute of Chemical Engineers	Jan 2016	<b>2.848</b>	KSU IRG 14-16

			King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia				
<b>124</b>	Effect of mechanical and electrical behavior of gelatin hydrogels on drug release and cell proliferation	Biswal, D Anupriya, B Uvanesh, K Anis, A Banerjee, I Pal, K	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, India  King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia	Journal of The Mechanical Behavior of Biomedical Materials	Jan 2016	<b>2.876</b>	N/A
<b>125</b>	Measurement of ballistic impact properties of woven kenaf-aramid hybrid composites	Yahaya, R Sapuan, SM Jawaid, M Leman, Z Zainudin, ES	Univ Putra Malaysia, Dept Mech & Mfg Engr, Upm Serdang , Selangor, Malaysia  King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh, Saudi Arabia	Ceramics International	Jan 2016	<b>2.758</b>	Ministry of Education Malaysia

**Electrical Engineering Department**  
**&**  
**Related Research Unit\***

\*Technology Innovation Center (RFTONICS)

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor	Grant Number if funded by KSU or KACST
1	Unified Output Redefinition for Digital Tracking Control of Non-Minimum Phase Pulse-Width Modulated DC–DC Switched Converters	Al-Numay. M.S	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of Computational and Theoretical Nanoscience	Dec 2016	1.666	N/A
2	Ge-rich SiGe thin film deposition by co-sputtering in in-situ and ex-situ solid phase crystallization for photovoltaic applications	Shahahmadi, SA Zulkefle, AA Hasan, AKM Rana, SM Bais, B Akhtaruzzaman, M Alamoud, ARM Amin, N	Natl Univ Malaysia, Solar Energy Res Inst, Bangi 43600, Selangor, Malaysia  Natl Univ Malaysia, Fac Engn & Built Environm, Dept Elect Elect & Syst Engn, Bangi 43600, Selangor, Malaysia  King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Materials Science In Semiconductor Processing	Dec 2016	2.264	National University of Malaysia
3	Prediction of subharmonic oscillation in switching regulators: from a slope to a ripple standpoint	El Aroudi, A Al-Numay, M Calvente, J	Univ Rovira & Virgili, Dept Engn Elect Elect & Automat, Tarragona, Spain	International Journal of Electronics	Dec 2016	0.414	N/A

		Giral, R Rodriguez, E Alarcon, E	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  BarcelonaTech UPC, Dept Elect Engn, Barcelona, Spain				
4	An efficient probabilistic-chronological matching modeling for DG planning and reliability assessment in power distribution systems	Alotaibi, MA Salama, MMA	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia  Univ Waterloo, Elect & Comp Engn, Waterloo, ON N2L 3G1, Canada	Renewable Energy	Dec 2016	<b>3.404</b>	King Saud University, Saudi Arabia
5	Robust Key Generation From Optical OFDM Signal in Indoor VLC Networks	Al-Moliki, YM Alresheedi, MT Al-Harhi, Y	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	IEEE Photonics Technology Letters	Nov 2016	<b>1.945</b>	King Saud University, Saudi Arabia
6	Rateless space-time block code for mitigating pilot contamination effects in multi-cell massive MIMO system with lossy links	Alqahtani, AH Sulyman, AI Alsanie, A	CTI, Dept Commun Technol, POB 86384, Riyadh 11622, Saudi Arabia  King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia	IET Communicati ons	Nov 2016	<b>0.488</b>	NPST 11- ELE1854-02
7	Trapped-mode resonances in a Voigt plasma layer	Razzaz, F	King Saud Univ, Dept Elect Engn, Riyadh	Physics Of	Nov 2016	<b>2.207</b>	N/A

		Alkanhal, MAS	11421, Saudi Arabia	Plasmas			
8	A Review of Frequency Response Analysis Methods for Power Transformer Diagnostics	Alsuhaibani, S Khan, Y Beroual, A Malik, NH	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia  Univ Lyon, Ecole Cent Lyon, AMPERE Lab, CNRS,UMR 5005, 36 Ave Guy de Collongue, F-69134 Ecully, France	Energies	Nov 2016	2.077	KSU RGP-1436-012
9	Optimising a nantenna array at 1550 nm band	Sethi, WT Vettikalladi, H Fathallah, H Himdi, M	King Saud Univ, KACST Technol Innovat Ctr Radio Frequency & Photo, Riyadh 11451, Saudi Arabia  Univ Rennes 1, IETR, Dept Commun, F-35700 Rennes, France  King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia	Micro & Nano Letters	Nov 2016	0.723	KACST
10	Thermal annealing induced multiple phase in V/V2O5 alternating multilayer structure	Ilahi, B Abdel-Rahman, M Zaaboub, Z Zia, MF	King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia  King Saud Univ, Dept Elect Engn, Coll	International Journal of Modern Physics B	Nov 2016	0.850	KACST AT-32-74

		Alduraibi, M Maaref, H	Engn, Riyadh, Saudi Arabia Univ Monastir, Lab Microoptoelect & Nanostruct, Monastir 5019, Tunisia King Saud Univ, Prince Sultan Adv Technol Res Inst, Riyadh, Saudi Arabia King Abdulaziz City Sci & Technol, Riyadh, Saudi Arabia				
11	Tracking control of a piezoelectric actuator with hysteresis compensation using RST digital controller	Irfan Ahmad Akram M. A	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Microsyst. Technol.	Nov 2016	0.974	KSU DSR CoE
12	Compressive sensing based high-resolution passive bistatic radar	M. A. Hadi M. N. Tabassum S. Alshebeili	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia Department of Signal Processing and Acoustics Aalto University Aalto Finland	Signal, Image and Video Processing	Nov 2016	0.872	KACST-TIC
13	Directional Radio Propagation Path Loss Models for Millimeter-Wave Wireless Networks in the 28-, 60-, and 73-GHz Bands	Sulyman, AI Alwarafy, A MacCartney, GR	King Saud Univ, Dept Elect Engn, Riyadh 12372, Saudi Arabia NYU, Tandon Sch	IEEE Transactions On Wireless Communicati	Oct 2016	2.925	Three National Science Foundation (NSF)



		Rappaport, TS Alsanie, A	Engn, Brooklyn, NY 11201 USA	ons			
14	An Experimental Study of FSO Link Performance in Desert Environment	Esmail, MA Fathallah, H Alouini, MS	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia  KACST Technol Innovat Ctr, Radio Frequency & Photon Ctr, Riyadh 11421, Saudi Arabia  King Abdullah Univ Sci & Technol, Comp Elect & Math Sci & Engn Div, Mecca 239556900, Saudi Arabia	IEEE Communications Letters	Sep 2016	1.291	KACST APR 34-145
15	Investigations on spatial distribution of low temperature plasma parameters using NiCr wire probe diagnostic	Naz, MY Shukrullah, S Sulaiman, SA Najeeb-ur-Rehman Khan, Y Ghaffar, A Ullah, S	Univ Teknol PETRONAS, Dept Mech Engn, Bandar Seri Iskandar 32610, Perak, Malaysia  Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan  COMSATS Inst Informat Technol, Dept Phys, Islamabad, Pakistan  King Saud Univ, Coll	Measurement	Sep 2016	1.742	KSU RG-1436-012

			<p>Engn, Riyadh, Saudi Arabia</p> <p>Univ Teknol PETRONAS, Dept Chem Engn, Bandar Seri Iskandar 32610, Perak, Malaysia</p>				
<b>16</b>	Modeling, Dynamics, Bifurcation Behavior and Stability Analysis of a DC-DC Boost Converter in Photovoltaic Systems	<p>Zhioua, M</p> <p>El Aroudi, A</p> <p>Belghith, S</p> <p>Bosque-Moncusi, JM</p> <p>Giral, R</p> <p>Al Hosani, K</p> <p>Al-Numay, M</p>	<p>Univ Tunis El Manar, ENIT, Tunis, Tunisia</p> <p>Univ Rovira &amp; Virgili, Dept Engn Elect Elect &amp; Automat, Tarragona, Spain</p> <p>Petr Inst, Dept Elect Engn, Abu Dhabi, U Arab Emirates</p> <p>King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</p>	International Journal of Bifurcation and Chaos	Sep 2016	<b>1.355</b>	VPP of the King Saud University
<b>17</b>	PSO-Based Smart Grid Application for Sizing and Optimization of Hybrid Renewable Energy Systems	<p>Mohamed, MA</p> <p>Eltamaly, AM</p> <p>Alolah, AI</p>	<p>King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</p>	Plos One	Aug 2016	<b>3.057</b>	King Saud University, DSR, Saudi Arabia
<b>18</b>	Boundaries of Subharmonic Oscillations Associated With Filtering Effects of Controllers	<p>El Aroudi, A</p> <p>Calvente, J</p>	<p>Univ Rovira &amp; Virgili, Dept Engn Elect Elect &amp; Automat, GAEI Res</p>	IEEE Transactions On Industrial	Aug 2016	<b>6.383</b>	King Saud University, Riyadh,

	and Current Sensors in Switched Converters Under CMC	Giral, R Al-Numay, MS Martinez-Salamero, L	Grp, E-43007 Tarragona, Spain King Saud Univ, Dept Elect Engr, Riyadh 12372, Saudi Arabia	Electronics			Saudi Arabia
19	Outdoor FSO Communications Under Fog: Attenuation Modeling and Performance Evaluation	Esmail, MA Fathallah, H Alouini, MS	King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia  King Abdulaziz City Sci & Technol Innovat Ctr Rad, Riyadh 11421, Saudi Arabia  King Abdullah Univ Sci & Technol, Div Comp Elect & Math Sci & Engr CEMSE, Thuwal 23955, Saudi Arabia	IEEE Photonics Journal	Aug 2016	<b>2.177</b>	KACST APR 34-145
20	Switched beam dielectric resonator antenna array with six reconfigurable radiation patterns	Saleem, MK Alkanhal, MAS Sheta, AF	King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia	International Journal of Rf and Microwave Computer- Aided Engineering	Aug 2016	<b>0.524</b>	KSU RG-1436- 001
21	Design of Multilayered K-Band and Ka-Band Slot-Coupled Microstrip 90° Hybrid Couplers Employing Circular Ring Patch Shapes	A. Alaqeel S. Almorqi O. M. Haraz	KACST Technology Innovation Center (RFTONICS) King Saud Univ Riyadh	Wireless Personal Communicati ons	Aug 2016	<b>0.701</b>	KACST- TIC

		S. A. Alshebeili A.-R. Sebak	Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  Electrical & Computer Engn Dept Concordia Univ Montreal Canada				
22	Epileptic MEG Spikes Detection Using Common Spatial Patterns and Linear Discriminant Analysis	Muhammad I. Khalid Turky Alotaiby Saeed A. Aldosari Saleh A. Alshebeili Majed H. Al-Hameed Fida S. Y. Almohammed Tahani S. Alotaibi	KACST Technology Innovation Center (RFTONICS) King Saud Univ Riyadh Saudi Arabia  KACST, Saudi Arabia  Department of Neurology, National Institute of Neuroscience, King Fahad Medical City, Riyadh 11525, Saudi Arabia	IEEE Access	Aug 2016	1.270	KACST- TIC
23	Optimal configuration for isolated hybrid renewable energy systems	Eltamaly, AM Al-Shammaa, AA	Mansoura Univ, Dept Elect Engn, Fac Engn, Mansoura, Egypt  King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh, Saudi Arabia	Journal of Renewable and Sustainable Energy	Aug 2016	0.961	CoE Research Center at KSU
24	An adaptive neuro-fuzzy inertia controller for variable-	Hafiz, F	King Saud Univ, Coll Engn, Sustainable	Renewable Energy	Jul 2016	3.404	CoE Research

	speed wind turbines	Abdenmour, A	Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia				Center at KSU
25	Optimum apodization profile for chirped fiber Bragg gratings based chromatic dispersion compensator	Aladadi, YT Abas, AF Alresheedi, MT	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Journal of The European Optical Society	Jun 2016	<b>1.199</b>	KSU RG-1437- 008
26	Fast and Efficient Adaptation Techniques for Visible Light Communication Systems	Hussein, AT Alresheedi, MT Elmirghani, JMH	Univ Leeds, Sch Elect & Elect Engn, Leeds LS2 9JT, W Yorkshire, England  King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of Optical Communicati ons and Networking	Jun 2016	<b>2.183</b>	KSU DSR NFG-15-03- 18
27	Synthesis and electrical characterisation of vanadium oxide thin film thermometer for microbolometer applications	Zia, MF Abdel-Rahman, M Alduraibi, M Ilahi, B Alasaad, A	King Saud Univ, Prince Sultan Adv Technol Res Inst, Coll Engn, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Electronics Letters	May 2016	<b>0.854</b>	KACST 34-989

			King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh 11421, Saudi Arabia  King Abdul Aziz City Sci & Technol, Riyadh, Saudi Arabia				
28	Dynamic analysis for grid tied PV inverter under controlled environment	Khan, Y Abbasi, MH Al-Ohaly, A	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of Optoelectronics and Advanced Materials	May 2016	<b>0.383</b>	KSU RGP-1436-012
29	Membrane antenna array based on substrate integrated waveguide technology for 94 GHz communication systems	Vettikalladi, H Saleem, MK Alkanhal, MAS	King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Microwave and Wireless Technologies	May 2016	<b>0.472</b>	N/A
30	Complexity reduction of equalization/pre-emphasis using set membership filtering for NG LR-PON	A. Ragheb H. Fathallah A. Bentrchia M. Shoaib S. Alshebeili	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  College of Engn (Muzahmia Branch) King Saud Univ Riyadh, Saudi Arabia  (PSATRI), King Saud Univ, Riyadh Saudi Arabia	Photonic Network Communications	May 2016	<b>0.557</b>	KACST-TIC & PSATRI
31	Investigation Of Sampling Frequency Impact On Optical	Amr M. Ragheb	King Saud Univ, KACST TIC	Microwave and Optical	May 2016	<b>0.545</b>	N/A

	Dp-Mqam Generation	Habib Fathallah	Radio Frequency & Photon E Soc RFTONICS, Riyadh, Saudi Arabia	Technology Letters			
32	High-performance charge plasma based normally OFF GaN MOSFET	Loan, SA Verma, S Alamoud, AM	Cent Univ, JMI, Dept Elect & Commun Engn, New Delhi, India  King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Electronics Letters	Apr 2016	<b>0.854</b>	Visiting Professor Program 'VPP' at (KSU)
33	High-Speed Indoor Optical Wireless Links Employing Fast Angle and Power Adaptive Computer-Generated Holograms With Imaging Receivers	Alresheedi, MT Elmirghani, JMH	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia  Univ Leeds, Sch Elect & Elect Engn, Leeds LS2 9JT, W Yorkshire, England	IEEE Transactions on Communications	Apr 2016	<b>2.298</b>	Visiting Professor Program at King Saud University
34	Design of a novel high performance Schottky barrier based compact transmission gate	Kumar, S Loan, SA Alamoud, AM	JMI New Delhi, Dept Elect & Commun Engn, New Delhi, India  King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	Superlattices and Microstructures	Apr 2016	<b>2.117</b>	Visiting Professor Program "VPP" at King Saud University
35	High-Speed Indoor Optical Wireless Links Employing Fast Angle and Power Adaptive Computer-Generated Holograms With Imaging	Alresheedi, MT Elmirghani, JMH	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia  Univ Leeds, Sch Elect	IEEE Transactions on Communications	Apr 2016	<b>2.298</b>	Visiting Professor Program at King Saud

	Receivers		& Elect Engn, Leeds LS2 9JT, W Yorkshire, England				University
36	Photolithographically definable SU-8-alumina composite for W-band dielectric resonator antennas	Al-Khalli, N Alduraibi, M Debbar, N Saleem, M Alkanhal, M Sebak, A Abdel-Rahman, M	King Saud Univ, Dept Elect Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Phys & Astron, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia  Concordia Univ, Dept Elect & Comp Engn, Montreal, PQ H3G 1M8, Canada	Micro & Nano Letters	Apr 2016	<b>0.723</b>	KSU DSR NFG2-11-33
37	A novel software for design and optimization of hybrid power systems	Eltamaly, AM Mohamed, M	King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of The Brazilian Society of Mechanical Sciences and Engineering	Apr 2016	<b>0.963</b>	Deanship of Scientific Research at KSU
38	Test of a new tip material for Langmuir probe diagnostic	Naz, MY Shukrullah, S Ghaffar, A	Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan  King Saud Univ, Dept	Journal of Applied Mechanics and	Mar 2016	<b>0.274</b>	KSU RG-1436-012



		Rehman, NU Khan, Y	Elect Engn, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Deanship Sci Res, Riyadh 11451, Saudi Arabia	Technical Physics			
39	A novel double gate metal source/drain Schottky MOSFET as an inverter	Loan, SA Kumar, S Alamoud, AM	JMI, Dept Elect & Commun Engn, New Delhi, India  King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	Superlattices and Microstructu res	Mar 2016	2.117	Visiting Professor Program "VPP" at (KSU)
40	Power flux distribution in chiroplasma-filled perfect electromagnetic conductor circular waveguides	Ghaffar, A Alkanhal, MAS	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia  Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan	Radio Science	Mar 2016	1.273	KSU RG- 1436-001
41	Theoretical study of the DC and transient characteristics of a lateral Schottky barrier photodiode for application as high-speed photodetector	Debbar, N	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	International Journal of Numerical Modelling- Electronic Networks Devices and Fields	Mar 2016	0.515	KSU, CoE Research Center 4/436
42	A computationally efficient technique for real-time detection of particular-slope edges	Mabrouk, A Hassim, N Elshafiey, I	Univ Malaya, Dept Elect Engn, Kuala Lumpur 50603, Malaysia	Journal of Real-Time Image Processing	Mar 2016	1.564	NPST 08-ELE262- 2

			King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia				
43	Partial discharge pattern analysis using PCA and back-propagation artificial neural network for the estimation of size and position of metallic particle adhering to spacer in GIS	Khan, Y	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Electrical Engineering	Mar 2016	0.662	KSU RGP-1436-012
44	Proposed Raised Cosine FMF for Dispersion Management in Next-Generation Optical Networks	Chebaane, S Fathallah, H Seleem, H Machhout, M	King Saud Univ, King Abdulaziz City Sci & Technol, Technol Innovat Ctr Radio Frequency & Photon E So, Riyadh 114362, Saudi Arabia  King Saud Univ, Dept Elect Engn, Riyadh 114362, Saudi Arabia  Fac Sci Monastir, Lab Elect & Microelect LAB IT06, Monastir 5019, Tunisia	IEEE Photonics Journal	Mar 2016	2.177	KACST-TIC in Radio Frequency and Photonics
45	A novel smart grid theory for optimal sizing of hybrid renewable energy systems	Eltamaly, AM Mohamed, MA Alolah, AI	King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Elect Engn, Riyadh	Solar Energy	Mar 2016	3.685	KSU, College of Engineering Research Center

			11421, Saudi Arabia				
46	Particle Swarm Algorithm variants for the Quadratic Assignment Problems - A probabilistic learning approach	Hafiz, F Abdenmour, A	King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Expert Systems with Applications	Mar 2016	2.981	KSU, College of Engineering Research Center
47	Millimeter wave antenna with frequency selective surface (FSS) for 79 GHz automotive radar applications	Basem A. Hamsakutty V. M.A.S. Alkanhal	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Int. J. Microw. Wirel. Technology	Feb 2016	0.472	N/A
48	FPGA Implementation of Multi-User Detection Genetic Algorithm Tool for SDMA-OFDM Systems	Alansi, M Elshafiey, I Al-Sanie, A Mabrouk, A	Prince Sattam Bin Abdualziz Univ, Coll Engn Wadi Aldawaser, Dept Elect Engn, Wadi Aldawaser 11991, Riyadh Region, Saudi Arabia  King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabia  Univ Malaya, Dept Elect Engn, Kuala Lumpur 50603, Malaysia	Wireless Personal Communications	Feb 2016	0.701	NPST 08-ELE262-02

49	A Low-Frequency Dielectric Barrier Discharge System Design for Textile Treatment	<p>Naz, MY</p> <p>Shukrullah, S</p> <p>Ghaffar, A</p> <p>Rehman, NU</p> <p>Sagir, M</p>	<p>Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan</p> <p>King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia</p> <p>COMSATS Inst Informat Technol, Dept Phys, Islamabad, Pakistan</p> <p>Univ Teknol PETRONAS, Dept Chem Engr, Tronoh, Perak, Malaysia</p>	Synthesis and Reactivity in Inorganic Metal-Organic And Nano-Metal Chemistry	Jan 2016	<b>0.493</b>	N/A
50	Design and simulation of oxide and doping engineered lateral bipolar junction transistors for high power applications	<p>Loan, SA</p> <p>Bashir, F</p> <p>Akhoun, MS</p> <p>Alamoud, AM</p>	<p>Jamia Millia Islamia, Dept Elect &amp; Comm Engr, New Delhi 110025, India</p> <p>IUST, Dept Elect &amp; Comm Engr, Srinagar, Jammu &amp; Kashmir, India</p> <p>King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia</p>	Superlattices and Microstructures	Jan 2016	<b>2.117</b>	Visiting Professor Program "VPP" at KSU
51	Fast and Reliable Estimation of Composite Load Model Parameters Using Analytical Similarity of Parameter	<p>Kim, JK</p> <p>An, K</p> <p>Ma, J</p>	Yonsei Univ, Sch Elect & Elect Engr, Seoul 120149, South Korea	IEEE Transactions On Power Systems	Jan 2016	<b>3.342</b>	National Research Foundation of Korea -

	Sensitivity	Shin, J Song, KB Park, JD Park, JW Hur, K	King Saud Univ, Riyadh 11451, Saudi Arabia  Univ Sydney, NSW 2006, Australia  Korea Elect Power Res Inst, Daejeon 305380, South Korea  Soongsil Univ, Dept Elect Engn, Seoul 156743, South Korea  Uiduk Univ, Gyeongsangbuk D, South Korea				Korea government (MSIP)
52	Switch beam dielectric resonator antenna array with four reconfigurable radiation patterns	Saleem, MK Alkanhal, MAS Sheta, AF	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	Jan 2016	<b>0.545</b>	N/A
53	Millimeter-wave microstrip diplexer using elliptical open-loop ring resonators for next generation 5G wireless applications	Haraz, OM Ashraf, N Almorqi, S Shaman, H Alshebeili, SA Sebak, AR	King Saud Univ, KACST ,RFTONICS, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia  KACST, NCSDST, Riyadh, Saudi Arabia  Concordia Univ, Dept Elect & Comp Engn,	Microwave and Optical Technology Letters	Jan 2016	<b>0.545</b>	(KACST) RFTONICS

			Montreal, PQ H3G 1M8, Canada				
54	A Low-Frequency Dielectric Barrier Discharge System Design for Textile Treatment	Naz, MY Shukrullah, S Ghaffar, A Rehman, NU Sagir, M	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  COMSATS Inst Informat Technol, Islamabad, Pakistan  Univ Teknol PETRONAS, Dept Chem Engn, Tronoh, Perak, Malaysia	Synthesis and Reactivity in Inorganic Metal-Organic and Nano-Metal Chemistry	Jan 2016	<b>0.493</b>	N/A
55	Scattering characteristics of homogeneous magnetized ferrite coated PEMC cylinder	Ghaffar, A Hussan, MM Alkanhal, MAS Naz, MY	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia  Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan	OPTIK	2016	<b>0.742</b>	KSU RG-1436-001
56	Electromagnetic scattering from cylinders of infinite length immersed in a complex conjugate medium	Illahi, A Ghaffar, A Shakir, I Ali, MM Ahmed, KM Naveed, M	COMSATS Inst Informat Technol, Dept Phys, Res Modeling & Simulat RIMS Grp, Islamabad, Pakistan  King Saud Univ, Dept Elect Engn, Riyadh	OPTIK	2016	<b>0.742</b>	KSU RG-1436-25

		Naqvi, QA	11451, Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan  Allama Iqbal Open Univ, Dept Phys, Islamabad, Pakistan  Natl Univ Sci & Technol, Islamabad, Pakistan  Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan				
57	Nantenna for Standard 1550 nm Optical Communication Systems	Sethi, WT Vettikalladi, H Fathallah, H Himdi, M	King Saud Univ, KACST, Riyadh 11451, Saudi Arabia  Univ Rennes 1, Inst Elect & Telecommun Rennes Univ IETR, F- 35700 Rennes, France  King Saud Univ, Dept Elect Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2016	<b>0.750</b>	KACST (RFTONICS )
58	Optimized broadband and dual-band printed slot antennas for future millimeter wave mobile communication	Ashraf, N Haraz, OM Ali, MMM Ashraf, MA	King Saud Univ, KACST, Technol Innovat Ctr Radiofrequency & Phot, Riyadh 11421,	Aeu- International Journal of Electronics and Communicati	2016	<b>0.786</b>	King Abdul- Aziz City for Science and Technology (KACST)

		Alshebili, SAS	Saudi Arabia Assiut Univ, Fac Engr, Dept Elect Engr, Assiut 71515, Egypt King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia	ons			
59	High frequency scattering of a Gaussian beam by a perfect electromagnetic conductor (PEMC) cylinder	Ghaffar, A Alkanhal, MAS	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia	OPTIK	2016	0.742	KSU RG- 1436-001
60	Transmission of electromagnetic wave from anisotropic plasma coated nihility circular cylinder	Yaqoob, MZ Shakir, I Ghaffar, A Khan, Y Naqvi, QA	Govt Coll Univ, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engr, Riyadh, Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan	International Journal of Applied Electromagn etics and Mechanics	2016	0.742	KSU RG- 1436-012
61	Resolution enhancement of images for further pattern recognition applications	Awad, M Hashad, FG	Tanta Univ, Fac Engr, Dept Elect & Elect Commun, Tanta,	OPTIK	2016	0.742	N/A



		<p>Abd Elnaby, MM</p> <p>El Khamy, SE</p> <p>Faragallah, OS</p> <p>Abbas, AM</p> <p>El-Khobby, HA</p> <p>El-Rabaie, ESM</p> <p>Diab, SM</p> <p>Sallam, BM</p> <p>Alshebeili, SA</p> <p>Abd El-Samie, FE</p>	<p>Egypt</p> <p>Menoufia Univ, Fac Elect Engn, Menoufia 32952, Egypt</p> <p>Univ Alexandria, Dept Elect Engn, Fac Engn, Alexandria 21544, Egypt</p> <p>Menoufia Univ, Menoufia 32952, Egypt</p> <p>King Saud Univ, Radio Frequency &amp; Photon E Soc RFTONICS, Riyadh, Saudi Arabia</p>				
<b>62</b>	$H_{\infty}$ control design with feed-forward compensator for hysteresis compensation in piezoelectric actuators	<p>Irfan Ahmad</p> <p>Akram M. A</p>	<p>King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia</p>	Automaika	2016	<b>0.311</b>	KSU DSR CoE

# **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	Grant Number if funded by KSU or KACST
1	Analysis of Repaired Cracks With Bonded Composite Wrap in Pipes Under Bending	Achour, A Albedah, A Benyahia, F Bouiadjra, BAB Ouinass, D	Univ Ibn Badis Mostaganem, Dept Mech Engr, Mostaganem , Algeria  King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia  Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engr, LMPM, BP 89, Algeria	Journal of Pressure Vessel Technology-Transactions of the ASME	Dec 2016	0.476	KSU RGP-VPP-035
2	MHD natural convection in a partially open trapezoidal cavity filled with a nanofluid	Miroshnichenko, IV Sheremet, MA Oztop, HF Al-Salem, K	Tomsk State Univ, Lab Convect Heat & Mass Transfer, Tomsk 634050, Russia  Firat Univ, Fac Technol, Dept Mech Engr, Elazig, Turkey  King Saud Univ, Dept Mech Engr, Riyadh 11451, Saudi Arabia	International Journal of Mechanical Sciences	Dec 2016	2.481	ISPP at King Saud University 0030
3	A Study on the Synergistic Effect of ECAP and Aging	Baig, M	King Saud Univ, AMI Ctr Excellence Res	Journal of Materials	Dec 2016	1.094	NPST 10-

	Treatment on the Mechanical Properties of AA6082	El-Danaf, E Mohammed, JA	Engn Mat, Riyadh, Saudi Arabia  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	Engineering And Performance			ADV1032- 02
4	Numerical simulation of three-dimensional double diffusive convection in a lid-driven cavity	Ghachem, K Kolsi, L Maatki, C, Alghamdi, A Oztop, HF Borjini, MN Ben Aissia, H Al-Salem, K	Hail Univ, Dept Mech Engn, Coll Engn, Hail City, Saudi Arabia  Univ Monastir, Unite Rech Metrol & Syst Energet, Tunisia  Firat Univ, Fac Technol, Dept Mech Engn, Elazig, Turkey  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Thermal Sciences	Dec 2016	<b>2.679</b>	N/A
5	Development of a robust refrigerant mixture for liquefaction of highly uncertain natural gas compositions	Mortazavi, A Alabdulkarem, A Hwang, Y Radermacher, R	Univ Maryland, Dept Mech Engn, Ctr Environm Energy Engn, College Pk, MD 20742 USA  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	Energy	Dec 2016	<b>4.292</b>	Research Center CoE KSU, Saudi Arabia
6	MHD Squeezing Flow of Nanofluid Between Parallel Plates in the Presence of Aligned Magnetic Field	M.M.Rashidi M.Jayachandra Babu N.Sandeep	Dept of Civil Engn, University of Birmingham, UK  Dept of Mathematics,	Journal of Computational and Theoretical	Nov 2016	<b>1.666</b>	KSU RGP-080

		M. E. Ali	VIT University, Vellore 632014, India  King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Nanoscience			
7	Experimental free convection heat transfer from inclined square cylinders	Mohamed Ali	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Heat and Mass Transfer.	Oct 2016	<b>1.044</b>	KSU RGP-080
8	Free vibration of sandwich beams with soft core	Khdeir, AA Aldraihem, OJ	King Saud Univ, Dept Elect Engr, Riyadh 11451, Saudi Arabia	Composite Structures	Oct 2016	<b>3.853</b>	Research Center CoE KSU, SA
9	Mesoporous Carbon/Co <sub>3</sub> O <sub>4</sub> Hybrid as Efficient Electrode for Methanol Electrooxidation in Alkaline Conditions	Hassan, DK El-Safty, SA Khalil, KA Dewidar, M Abu El-Maged, G	Aswan Univ, Fac Energy Engr, Aswan 81521, Egypt  Natl Inst Mat Sci, Tsukuba, Ibaraki 3050047, Japan  King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia  Menia Univ, Fac Engr, Mech Design & Prod Dept, Egypt	International Journal of Electrochemi cal Science	Oct 2016	<b>1.692</b>	NA

10	Design and fabrication of a portable and hybrid solar-powered membrane distillation system	Chafidz, A Kerme, ED Wazeer, I Khalid, Y Ajbar, A Al-Zahrani, SM	Semarang State Univ, Dept Chem Engr, Indonesia  King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Chem Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Cleaner Production	Oct 2016	4.959	KSU RGP- VPP-188
11	Impact of fatty acid composition and physicochemical properties of Jatropha and Alexandrian laurel biodiesel blends: An analysis of performance and emission characteristics	Ruhul, MA Abedin, MJ Rahman, SMA Masjuki, BH Alabdulkarem, A Kalam, MA Shancita, I	Univ Malaya, Dept Mech Engr, Fac Engr, Kuala Lumpur, Malaysia  Queensland Univ Technol, Biofuel Engine Reseach Facil, Brisbane, Qld 4001, Australia  King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh, Saudi Arabia	Journal of Cleaner Production	Oct 2016	4.959	University of Malaya
12	Carbon Supported Engineering NiCo <sub>2</sub> O <sub>4</sub> Hybrid Nanofibers with Enhanced Electrocatalytic Activity for Oxygen Reduction Reaction	Hassan, D El-safty, S Khalil, KA Dewidar, M	Aswan Univ, Fac Energy Engr, Mech Design & Mat Dept, Aswan 81521, Egypt  Natl Inst Mat Sci, Ibaraki 3050047,	Materials	Sep 2016	2.728	KSU, DSR, RG1435- 001

		Abu El-magd, G	<p>Japan</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Kafrelsheikh Univ, Kafrelsheikh 33516, Egypt</p> <p>Menia Univ, Fac Engn, El Minia 61519, Egypt</p>				
13	An investigation of optimum cutting conditions in turning nodular cast iron using carbide inserts with different nose radius	<p>Al Bahkali, EA</p> <p>Ragab, AE</p> <p>El Danaf, EA</p> <p>Abbas, AT</p>	<p>King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia</p>	Proceedings of the Institution of Mechanical Engineers Part B- Journal of Engineering Manufacture	Sep 2016	<b>0.978</b>	Research Center CoE KSU, Saudi Arabia
14	Influences of ignition improver additive on ternary (diesel-biodiesel-higher alcohol) blends thermal stability and diesel engine performance	<p>Imdadul, HK</p> <p>Masjuki, HH</p> <p>Kalam, MA</p> <p>Zulkifli, NWM</p> <p>Alabdulkarem, A</p> <p>Rashed, MM</p> <p>Ashraful, AM</p>	<p>Univ Malaya, Fac Engn, Dept Mech Engn, Malaysia</p> <p>King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia</p>	Energy Conversion and Management	Sep 2016	<b>4.801</b>	University of Malaya

15	A comparative study of C-4 and C-5 alcohol treated diesel-biodiesel blends in terms of diesel engine performance and exhaust emission	<p>Imdadul, HK  Masjuki, HH  Kalam, MA  Zulkifli, NWM  Alabdulkarem, A  Kamruzzaman, M  Rashed, MM</p>	<p>Univ Malaya, Dept Mech Engr, Kuala Lumpur , Malaysia  King Saud Univ, Dept Mech Engr, Collage Engr, Riyadh 11421, Saudi Arabia  Dhaka Univ Engr &amp; Technol, Dept Mech Engr, Gazipur 1700, Bangladesh</p>	Fuel	Sep 2016	3.611	University of Malaya
16	Periodic metamaterial plates with smart tunable local resonators	<p>Nouh, MA  Aldraihem, OJ  Baz, A</p>	<p>SUNY Buffalo, Dept Mech &amp; Aerosp Engr, Buffalo, NY USA  King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia  Univ Maryland, Dept Mech Engr, 2137 Engr Bldg, College Pk, MD 20742 USA</p>	Journal of Intelligent Material Systems and Structures	Sep 2016	1.975	KACST 819-33
17	An investigation of optimum cutting conditions in turning nodular cast iron using carbide inserts with different nose radius	<p>Al Bahkali, EA  Ragab, AE  El Danaf, EA  Abbas, AT</p>	<p>King Saud Univ, Dept Mech Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh, Saudi Arabia</p>	Proceedings of The Institution of Mechanical Engineers Part B- Journal of Engineering Manufacture	Sep 2016	0.978	CoE Research Center, KSU



18	Effect of testing temperature on the strength and fracture behavior of Al-B4C composites	Junaedi, H Ibrahim, MF Ammar, HR Samuel, AM Soliman, MS Almajid, AA Samuel, FH	King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia  Univ Quebec Chicoutimi, Dept Sci Appl, Chicoutimi, PQ, Canada  Suez Univ, Fac Petr & Min Engn, Met & Mat Engn Dept, Egypt	Journal of Composite Materials	Aug 2016	1.242	NPST 11-ADV1495-02
19	Effect of equal-channel angular pressing on the surface roughness of commercial purity aluminum during turning operation	Adel Taha Abbas Adham Ezzat Ragab Ehab Adel El-Danaf Essam Ali Al Bahkali	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	Aug 2016	0.987	N/A
20	An investigation of optimum cutting conditions in turning nodular cast iron using carbide inserts with different nose radius	Essam Ali Al Bahkali Adham Ezzat Ragab Ehab Adel El Danaf Adel Taha Abbas	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	Aug 2016	0.987	N/A
21	Study of the oxidation stability and exhaust emission analysis of Moringa olifera biodiesel in	Rashed, MM Masjuki, HH	Univ Malaya, Dept Mech Engn, Kuala	Renewable Energy	Aug 2016	3.404	University of Malaya

	a multi-cylinder diesel engine with aromatic amine antioxidants	Kalam, MA Alabdulkarem, A Rahman, MM Imdadul, HK Rashedul, HK	Lumpur, Malaysia King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Dhaka Univ Engn & Technol, Dept Mech Engn, Gazipur 1700, Bangladesh				
22	Effect of load amplitude change on the fatigue life of cracked Al plate repaired with composite patch	Albedah, A Khan, SMA Benyahia, F Bouiadjra, BB	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Fatigue	Jul 2016	2.162	KSU RGP-VPP-035
23	Optimization of performance, emission, friction and wear characteristics of palm and Calophyllum inophyllum biodiesel blends	Mosarof, MH Kalam, MA Masjuki, HH Alabdulkarem, A Ashraful, AM Arslan, A Rashedul, HK Monirul, IM	Univ Malaya, Dept Mech Engn, Kuala Lumpur, Malaysia King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Energy Conversion and Management	Jun 2016	4.801	University of Malaya
24	Entropy Generation on Nanofluid Flow through a Horizontal Riga Plate	Abbas, T Ayub, M Bhatti, MM Rashidi, MM	Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan Shanghai Univ, Shanghai Inst Appl	Entropy	Jun 2016	1.743	KSU RGP-080

		Ali, MES	Math & Mech, Peoples R China  Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, China  King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia				
25	Entropy Generation on MHD Eyring-Powell Nanofluid through a Permeable Stretching Surface	Bhatti, MM Abbas, T Rashidi, MM Ali, MES Yang, ZG	Shanghai Univ, Peoples R China  Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan  Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, Peoples R China  King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Entropy	Jun 2016	1.743	KSU RGP-080
26	Numerical Simulation of Entropy Generation with Thermal Radiation on MHD Carreau Nanofluid towards a	Bhatti, MM Abbas, T Rashidi, MM	Shanghai Univ, Shanghai Inst Appl Math & Mech, Peoples R China	Entropy	Jun 2016	1.743	KSU RGP-080

	Shrinking Sheet	Ali, MES	Quaid I Azam Univ, Dept Math, Islamabad 44000, Pakistan  Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, Peoples R China  King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia				
27	Corrosion of Newly Manufactured Nanocrystalline Al and Two of its Alloys in stagnant 4.0% NaCl Solutions	Sherif, ESM Abdo, HS Mohammed, JA Almajid, AA Seikh, AH	King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Mech Engn, PD Box 800, Riyadh 11421, Saudi Arabia	International Journal of Electrochemi cal Science	June 2016	1.692	KACST ADV-1853- 2
28	Effect of Titanium Carbide Content on the Corrosion Behavior of Al-TiC Composites Processed by High Energy Ball Mill	Sherif, ESM Abdo, HS Khalil, KA Nabawy, AM	King Saud Univ, CEREM, Adv Mfg Inst, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Electrochemi cal Science	June 2016	1.692	NPST ADV- 1853-2
29	Effect of Thermal Bridges in Insulated Walls on Air-	Zedan, MF	King Saud Univ, Dept Mech Engn, POB 800,	Sustainabilit y	June 2016	1.343	NPST 08-

	Conditioning Loads Using Whole Building Energy Analysis	Al-Sanea, S Al-Mujahid, A Al-Suhaibani, Z	Riyadh 11421, Saudi Arabia				ENE376-2
30	Precipitation Hardening and Statistical Modeling of the Aging Parameters and Alloy Compositions in Al-Cu-Mg-Ag Alloys	Al-Obaisi, AM El-Danaf, EA Ragab, AE Soliman, MS	King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia	Journal of Materials Engineering and Performance	June 2016	1.094	CoE Research Center, KSU
31	Titanium Carbide Nanofibers-Reinforced Aluminum Compacts, a New Strategy to Enhance Mechanical Properties	Khalil, KA Sherif, ESM Nabawy, AM Abdo, HS Marzouk, WW Alharbi, HF	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia Menia Univ, Prod Engn & Design Dept, Fac Engn, Al Minya 61111, Egypt	Materials	May 2016	2.728	NPST ADV-1853-2
32	Melt Processing and Characterization of Al-SiC Nanocomposite, Al, and Mg Foam Materials	Nabawy, AM Khalil, KA Al-Ahmari, AM Sherif, ESM	King Saud Univ, AMI, CEREM, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Mech Engn, PD Box 800, Riyadh 11421,	Metals	May 2016	1.574	NPST ADV-1853-2

			Saudi Arabia				
33	Thermodynamic Analysis and Comparison of the Air-Standard Atkinson and Dual-Atkinson Cycles with Heat Loss, Friction and Variable Specific Heats of Working Fluid	Hajipour, A Rashidi, MM Ali, M Yang, Z Beg, OA	Islamic Azad Univ, Ayatollah Amoli Branch, Iran  Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, Peoples R China  King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia  Gort Engovat Prop Res, W Yorkshire, England	Arabian Journal for Science and Engineering	May 2016	0.728	KSU RGP-080
34	Assessment of friction and wear characteristics of Calophyllum inophyllum and palm biodiesel	Mosarof, MH Kalam, MA Masjuki, HH Alabdulkarem, A  Habibullah, M Arslan, A Monirul, IM	Univ Malaya, Fac Engn, Kuala Lumpur 50603, Malaysia  King Saud Univ, Collage Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Industrial Crops and Products	May 2016	3.449	University of Malaya
35	Effect of tip clearance and rotor-stator axial gap on the efficiency of a multistage compressor	Danish, SN Qureshi, SR	King Saud Univ, Sustainable Energy Technol Ctr, Riyadh,	Applied Thermal Engineering	May 2016	3.043	KSU SDR CoE

		<p>Imran, MM Khan, SUD Sarfraz, MM El-Leathy, A Al-Ansary, H Wei, MS</p>	<p>Saudi Arabia Natl Univ Sci &amp; Technol, PNS Jauhar, Karachi, Pakistan King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia Beijing Inst Technol, Sch Mech Engr, Beijing 100081, Peoples R China</p>				
36	Effects of TiO <sub>2</sub> powder morphology on the mechanical response of pure magnesium: 1D nanofibers versus 0D nanoparticulates	<p>Meenashisundaram, GK Nai, MH Almajid, A Khalil, KA Abdo, HS Gupta, M</p>	<p>Natl Univ Singapore, Dept Mech Engr, 9 Engr Dr 1, Singapore 117576, Singapore King Saud Univ, Dept Mech Engr, Coll Engr, Riyadh 11421, Saudi Arabia</p>	Journal of Alloys and Compounds	May 2016	3.014	National University of Singapore
37	Entropy Generation on MHD Casson Nanofluid Flow over a Porous Stretching/Shrinking Surface	<p>Qing, J Bhatti, MM Abbas, MA Rashidi, MM Ali, MES</p>	<p>Tongji Univ, Shanghai Key Lab Vehicle Aerodynam &amp; Vehicle Ther, Shanghai 201804, Peoples R China Shanghai Univ, Shanghai 201804, Peoples R China King Saud Univ, Coll</p>	Entropy	Apr 2016	1.743	KSU RGP-080

			Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia				
<b>38</b>	Entropy Generation on MHD Blood Flow of Nanofluid Due to Peristaltic Waves	Rashidi, MM Bhatti, MM Abbas, MA Ali, ME	Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, Peoples R China  Shanghai Univ, Shanghai 200072, Peoples R China  Shanghai Univ, Dept Math, Shanghai 200444, Peoples R China  King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	Entropy	Apr 2016	<b>1.743</b>	KSU RGP-080
<b>39</b>	Biocorrosion behavior of biodegradable nanocomposite fibers coated layer-by-layer on AM50 magnesium implant	Abdal-hay, A Hasan, A Kim, YK Lee, MH Hamdy, AS Khalil, KA	South Valley Univ, Fac Engn, Dept Engn Mat & Mech Design, Qena, Egypt  Amer Univ Beirut, Dept Mech & Biomed Engn, Beirut, Lebanon  Chonbuk Natl Univ, Dept Dent Biomat, South Korea	Materials Science & Engineering C-Materials for Biological Applications	Apr 2016	<b>3.420</b>	N/A



			<p>Univ Texas Rio Grande Valley, TX 78541 USA</p> <p>King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p>				
40	Optimum R-values of building walls under different climatic conditions in the Kingdom of Saudi Arabia	<p>Al-Sanea, SA</p> <p>Zedan, MF</p> <p>Al-Mujahid, AM</p> <p>Al-Suhaibani, ZA</p>	<p>King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p>	Applied Thermal Engineering	Apr 2016	3.043	NPST 08-ENE376-2
41	Reinforcing Low-Volume Fraction Nano-TiN Particulates to Monolithical, Pure Mg for Enhanced Tensile and Compressive Response	<p>Meenashisundaram, GK</p> <p>Nai, MH</p> <p>Almajid, A</p> <p>Gupta, M</p>	<p>Natl Univ Singapore, Dept Mech Engn, 9 Engn Dr 1, Singapore</p> <p>King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia</p>	Materials	Mar 2016	2.728	National University of Singapore
42	Nano-engineered ZnO/CeO <sub>2</sub> dots@CNFs for fuel cell application	<p>Ghouri, ZK</p> <p>Barakat, NAM</p> <p>Kim, HY</p> <p>Park, M</p> <p>Khalil, KA</p>	<p>Chonbuk Natl Univ, Dept BIN Fus Technol, Jeonju 561756, South Korea</p> <p>Chonbuk Natl Univ, Dept Organ Mat &amp;</p>	Arabian Journal of Chemistry	Mar 2016	3.613	National Research Foundation of Korea (NRF)

		<p>El-Newehy, MH Al-Deyab, SS</p>	<p>Fiber Engn, Jeonju 561756, South Korea</p> <p>King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Chem, Coll Sci, Petrochem Res Chair, Riyadh 11451, Saudi Arabia</p>				
43	<p>Load bearing enhancement of pin joined composite laminates using electrospun polyacrylonitrile nanofiber mats</p>	<p>Herwan, J Al-Bahkali, E Khalil, KA Souli, M</p>	<p>King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia</p> <p>Tokyo Metropolitan Univ, Dept Aerosp Engn, Tokyo 158, Japan</p> <p>UMR CNRS 8107, Lab Mecan, Villeneuve Dascq, France</p>	<p>Arabian Journal of Chemistry</p>	<p>Mar 2016</p>	<p><b>3.613</b></p>	<p>Saudi Arabian Government</p>
44	<p>Effective and highly recyclable ceramic membrane based on amorphous nanosilica for dye removal from the aqueous solutions</p>	<p>Tolba, GMK Bastaweesy, AM Ashour, EA Abdelmoez, W Khalil, KA Barakat, NAM</p>	<p>Menia Univ, Dept Chem Engn, Fac Engn, El Minia, Egypt</p> <p>King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p>	<p>Arabian Journal of Chemistry</p>	<p>Mar 2016</p>	<p><b>3.613</b></p>	<p>KSU, RGP-1435- 001 &amp; National Research Foundation of Korea</p>

45	Unsteady aeroelastic behaviors of rigid airfoils with preset angles of attack	Bichiou, Y Nuhait, AO Abdelkefi, A Hajj, MR	Virginia Polytech Inst & State Univ, Dept Engn Sci & Mech, MC 0219, Blacksburg, VA 24061 USA  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	Journal of Vibration and Control	Mar 2016	1.643	Institute of Critical Technology and Applied Science
46	Higher alcohol-biodiesel-diesel blends: An approach for improving the performance, emission, and combustion of a light-duty diesel engine	Imdadul, HK Masjuki, HH Kalam, MA Zulkifli, NWM Alabdulkarem, A Rashed, MM Teoh, YH How, HG	Univ Malaya, Fac Engn, Dept Mech Engn, Ctr Energy Sci, Kuala Lumpur 50603, Malaysia  King Saud Univ, Collage Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Energy Conversion and Management	Mar 2016	4.801	University of Malaya
47	Heat and mass transfer in membrane distillation used for desalination with slip flow	Orfi, J Loussif, N Davies, PA	King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia  Univ Gafsa, Fac Sci Gafsa, Tunisia  Aston Univ, Sch Engn & Appl Sci, Sustainable Environm Res Grp, W Midlands, England	Desalination	Mar 2016	4.412	KSU RGP-VPP-091

48	Fabrication of novel high performance ductile poly(lactic acid) nanofiber scaffold coated with poly(vinyl alcohol) for tissue engineering applications	<p>Abdal-hay, A Hussein, KH Casettari, L Khalil, KA Hamdy, AS</p>	<p>South Valley Univ, Fac Engn, Egypt  Kangwon Natl Univ, Gangwon, South Korea  Univ Urbino, Dept Biomol Sci, I-61029 Urbino, PU, Italy  King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia  Univ Texas Rio Grande Valley, TX 78541 USA</p>	Materials Science & Engineering C-Materials for Biological Applications	Mar 2016	3.420	KSU RG 1435- 001
49	Amorphous SiO <sub>2</sub> NP-Incorporated Poly(vinylidene fluoride) Electrospun Nanofiber Membrane for High Flux Forward Osmosis Desalination	<p>Obaid, M Ghourri, ZK Fadali, OA Khalil, KA Almajid, AA Barakat, NAM</p>	<p>Chonbuk Natl Univ, Bionanosyst Engn Dept, South Korea  Chonbuk Natl Univ, Organ Mat &amp; Fiber Engn Dept, Jeonju 561756, South Korea  Menia Univ, Fac Engn, Egypt  King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia</p>	ACS Applied Materials & Interfaces	Feb 2016	7.145	KSU IRG14-11

50	Power generation from unconditioned industrial wastewaters using commercial membranes-based microbial fuel cells	Mohamed, HO Obaid, M Khalil, KA Barakat, NAM	Chonbuk Natl Univ, Bionanosyst Engr Dept, Jeonju 561756, South Korea  King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Feb 2016	3.205	KSU RGP- 1435-001
51	Synthesis of Nano Particles on Polyallyl Diglycol Carbonate Polymer Surface with Alpha Radiation	Farooq, WA Baig, MR Ali, SM Shar, MA Al-Ghamdi, SS Al Garawi, MS Atif, M	King Saud Univ, Coll Sci, Phys & Astron Dept, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia	Journal of Nanoelectronics and Optoelectronics	Feb 2016	0.675	KSU RGP- VPP-293
52	Corrosion Behavior in Highly Concentrated Sodium Chloride Solutions of Nanocrystalline Aluminum Processed by High Energy Ball Mill	Sherif, EM Mohammed, JA Abdo, HS Almajid, AA	King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Mech Engr, PD Box 800, Riyadh 11421, Saudi Arabia	International Journal of Electrochemical Science	Feb 2016	1.692	NPST ADV-1853- 2
53	Using a three-equation model for pipe flow with heat transfer	Alammar, K	King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia	Heat Transfer Research	2016	0.930	N/A

54	Three dimensional numerical analysis of natural convection cooling with an array of discrete heaters embedded in nanofluid filled enclosure	Purusothaman, A Nithyadevi, N Oztop, HF Divya, V Al-Salem, K	Bharathiar Univ, Dept Math, Coimbatore, Tamil Nadu, India  Firat Univ, Dept Mech Engn, Fac Technol, TR-23169 Elazig, Turkey  King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Advanced Powder Technology	Jan 2016	2.478	N/A
55	Biocorrosion behavior of biodegradable nanocomposite fibers coated layer-by-layer on AM50 magnesium implant	Abdal-Hay, A Hasan, A Yu-Kyoung Lee, MH Hamdy, AS Khalil, KA	South Valley University, Qena, Egypt  American University of Beirut, Beirut, Lebanon;  Chonbuk National University, Jeon Ju, 561-756, South Korea.  University of Texas Rio Grande Valley, TX 78541-2999, USA  King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Materials Science & Engineering C-Materials For Biological Applications	Jan 2016	3.420	KSU RG 1435-001
56	Comparative study of air gap, direct contact and sweeping	Loussif, N	Univ Monastir, Ecole Natl Ingn Monastir,	Membrane Water	Jan 2016	0.400	KSU RGP-VPP-091

	gas membrane distillation configurations	Orfi, J	Monastir, Tunisia King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia	Treatment			
57	A novel strategy for enhancing the electrospun PVDF support layer of thin-film composite forward osmosis membranes	Obaid, M Mohamed, HO Yasin, AS Fadali, OA Khatil, KA Kim, T Barakat, NAM	Chonbuk Natl Univ, Bionanosyst Engn Dept, Jeonju 561756, South Korea Chonbuk Natl Univ, Jeonju 561756, South Korea Menia Univ, Dept Chem Engn, Fac Engn, Al Minya, Egypt King Saud Univ, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	RSC Advances	2016	3.289	ISCP at King Saud University ISCP-002
58	Control of natural convection heat transfer in ferrofluid filled trapezoidal cavities with a magnetic dipole source	Selimefendigil, F Oztop, HF Al-Salem, KS	Celal Bayar Univ, Dept Mech Engn, TR-45140 Manisa, Turkey Fiat Univ, Fac Technol, Dept Mech Engn, TR-23119 Elazig, Turkey King Saud Univ, Coll	Progress In Computational Fluid Dynamics	2016	0.288	N/A

			Engn, Dept Mech Engn, Riyadh, Saudi Arabia				
<b>59</b>	A desalination system with efficiency approaching the theoretical limits	Davies, PA Wayman, J Alatta, C Nguyen, K Orfi, J	Aston Univ, Sch Engn & Appl Sci, Sustainable Environm Res Grp, Birmingham B4 7ET, W Midlands, England  King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	Desalination and Water Treatment	2016	<b>1.272</b>	N/A
<b>60</b>	Heat transfer enhancement of laminar forced convection in a channel by von-Karman vortex generator	Mohamad, AA Tarokh, A Alansary, H	Univ Calgary, Schulich Sch Engn, Dept Mech & Mfg Engn, CEERE, Calgary, AB T2N 1N4, Canada  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	Progress In Computational Fluid Dynamics	2016	<b>0.288</b>	MITCs Inc.
<b>61</b>	Effects of magnetic field and viscous dissipation on entropy generation of mixed convection in porous lid-driven cavity with corner heater	Ahmed, SE Oztop, HF Al-Salem, K	Northern Border Univ, Dept Math, Ar Ar, Saudi Arabia  Firat Univ, Dept Mech Engn, Elazig, Turkey  King Saud Univ, Dept	International Journal of Numerical Methods for Heat & Fluid Flow	2016	<b>1.475</b>	N/A



			Mech Engn, Riyadh, Saudi Arabia				
62	Microstructure, Thermal Analysis and Acoustic Characteristics of Calotropis procera (Apple of Sodom) Fibers	Ali, M	King Saud Univ, Coll Engn, Dept Mech Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Natural Fibers	2016	0.582	NPST ENE 335-02-08
63	Template synthesis of metal tungsten nanowire bundles with high field electron emission performance	Liu, Y Lan, K Es-Saheb, MH Elzatahry, AA Zhao, DY	Fudan Univ, Shanghai Key Lab Mol Catalysis & Innovat Mat, China  King Saud Univ, Coll Engn, Dept Mech Engn, Mozahmiya Campus, POB 800, Riyadh 11421, Saudi Arabia  Qatar Univ, Coll Arts & Sci, Mat Sci & Technol Program, POB 2713, Doha, Qatar	RSC Advances	2016	3.289	NPST ADV1718-02
64	Powder metallurgy hollow fly ash cenospheres' particles reinforced magnesium composites	Sankaranarayanan, S Nguyen, QB Shabadi, R Almajid, AH Gupta, M	Natl Univ Singapore, Dept Mech Engn, Singapore  Univ Lille 1 Sci & Technol, UMR CNRS 8207, Lab Phys Met & Mat Engn, France	Powder Metallurgy	2016	0.741	N/A

			King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia				
65	Exergetic optimisation of a multi-stage compression transcritical refrigeration cycle	Rashidi, MM Parsa, AB Shamekhi, L Nazari, F Ali, M	Tongji Univ, Shanghai Key Lab Vehicle Aerodynam & Vehicle Ther, Peoples R China  Islamic Azad Univ, Young Researchers & Elite Club, Iran  Univ Paris 10, LTIE, GTE, EA 4415, Ville Davray, France  King Saud Univ, Dept Mech Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Exergy	2016	1.377	KSU RGP- VPP-080
66	Optimizing Cutting Conditions for Minimum Surface Roughness in Face Milling of High Strength Steel Using Carbide Inserts	Abbas, AT Ragab, AE Al Bahkali, EA El Danaf, EA	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia	Advances In Materials Science And Engineering	2016	1.010	CoE Research Center, KSU
67	Unsteady analysis of natural convection in a carbon	Rahman, MM Oztop, HF	Univ Brunei Darussalam, Math &	Numerical Heat	2016	1.937	Universiti Brunei

	nanotube-water filled cavity with an inclined heater	Joarder, AH Saidur, R Hamzah, N Al-Salem, K Ibrahim, TA	Comp Sci Grp, BE, Brunei  Frat Univ, Fac Technol, Dept Mech Engr, Elazig, Turkey  King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia  King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia  King Saud Univ, Vice Presidency Projects, Riyadh, Saudi Arabia	Transfer Part A- Applications			Darussalam
68	Multiobjective Optimization of Turning Cutting Parameters for J-Steel Material	Abbas, AT Hamza, K Aly, MF Al-Bahkali, EA	King Saud Univ, Dept Mech Engr, POB 800, Riyadh 11421, Saudi Arabia  Univ Michigan, Dept Mech Engr, Ann Arbor, MI 48105 USA  Amer Univ Cairo, Dept Mech Design, Cairo 11835, Egypt	Advances In Materials Science and Engineering	2016	1.010	CoE Research Center, KSU
69	Production, characterization, engine performance and emission characteristics of Croton megalocarpus and	Ruhul, AM Kalam, MA Masjuki, HH	Univ Malaya, Fac Engr, Dept Mech Engr, Malaysia  King Saud Univ, Coll	RSC Advances	2016	3.289	University Malaya Research Grant

	Ceiba pentandra complementary blends in a single-cylinder diesel engine	Alabdulkarem, A Atabani, AE Fattah, IMR Abedin, MJ	Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia  Erciyes Univ, Fac Engn, Dept Mech Engn, TR-38039 Kayseri, Turkey  Univ New S Wales, Sch Mech & Mfg Engn, Kensington, NSW 2052, Australia				(UMRG)
70	A comprehensive study on the improvement of oxidation stability and NOx emission levels by antioxidant addition to biodiesel blends in a light-duty diesel engine	Rashed, MM Masjuki, HH Kalam, MA Alabdulkarem, A Imdadul, HK Rashedul, HK Shahin, MM Habibullah, M	Univ Malaya, Dept Mech Engn, Fac Engn, Kuala Lumpur 50603, Malaysia  Dhaka Univ Engn & Technol, Dept Mech Engn, Gazipur 1700, Bangladesh  King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	RSC Advances	2016	3.289	University of Malaya

# **Civil Engineering Department**

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## **Related Research Unit\***

\*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	Grant Number if funded by KSU or KACST
1	Experimental Verification of Resistance-Demand Approach for Shear of HSC Beams	El-Sayed, AK Shuraim, AB	King Saud Univ, Ctr Excellence Concrete Res & Testing, Dept Civil Engr, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh 11421, Saudi Arabia	International Journal of Concrete Structures and Materials	Dec 2016	1.411	NPST 10-ADV1023-02
2	Optimized Fresh and Hardened Properties of Strain-Hardening Cementitious Composites: Effect of Sand Size and Workability	Khan, MI Fares, G Mourad, S Abbass, W	King Saud Univ, Coll Engr, Dept Civil Engr, Struct Engr, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engr, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia	Journal of Materials in Civil Engineering	Dec 2016	1.295	NPST 12-ADV2591-02
3	Coupled Effect of Coarse Aggregate Type and Silica Fume on Creep Coefficients of High-Strength Concrete	Shuraim, AB Aslam, F Hussain, RR	King Saud Univ, Dept Civil Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Materials in Civil Engineering	Dec 2016	1.295	NPST ADV-208

		Alhozaimy, AM					
4	Recycled plastic waste fibers for reinforcing Portland cement mortar	Al-Tulaian, BS Al-Shannag, MJ Al-Hozaimy, AR	King Abdul Aziz City Sci & Technol, Riyadh, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Dec 2016	2.421	KSU DSR & KACST
5	Influence of Stirrup Corrosion on Shear Strength of Reinforced Concrete Slender Beams	El-Sayed, AK Hussain, RR Shuraim, AB	King Saud Univ, Dept Civil Engr, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia	ACI Structural Journal	Dec 2016	1.227	NPST 10-BUI1191-02
6	Analytical and experimental investigations on the fracture behavior of hybrid fiber reinforced concrete	Almusallam, T Ibrahim, SM Al-Salloum, Y Abadel, A Abbas, H	King Saud Univ, Coll Engr, Dept Civil Engr, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia	Cement & Concrete Composites	Nov 2016	3.399	KSU DSR
7	Behavior of compacted expansive soil under multi-directional stress and deformation boundary conditions	Elkady, TY Abbas, MF Shamrani, MA	King Saud Univ, Dept Civil Engr, Coll Engr, Bugshan Res Chair Expans Soils, PO 800, Riyadh 11421, Saudi Arabia	Bulletin of Engineering Geology and The Environment	Nov 2016	1.252	KSU
8	Establishing Success	Almohsen, AS	King Saud Univ, Dept	Journal of	Nov 2016	1.840	N/A

	Measurements of Joint Ventures in Mega Projects	Ruwanpura, JY	Civil Engn, POB 800, Riyadh 11421, Saudi Arabia  Univ Calgary, 2500 Univ Dr NW, Calgary, AB T2N 1N4, Canada	Management in Engineering			
9	Fiber-Matrix Interfacial Behavior of Hooked-End Steel Fiber-Reinforced Concrete	Abbas, MY Khan, MI	King Saud Univ, Dept Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Materials in Civil Engineering	Nov 2016	1.295	KSU RGP-VPP-105
10	Discussion: Mechanical properties of hybrid fibre-reinforced concrete - analytical modelling and experimental behaviour	Abadel, A Abbas, H Almusallam, T Al-Salloum, Y Siddiqui, N Shubaili, MA Sallam, HEM	King Saud Univ, Dept Civil Engn, Res & Studies Strengthening & Rehabil Struct, Riyadh, Saudi Arabia  Jazan Univ, Dept Civil Engn, Jazan, Saudi Arabia  Zagazig Univ, Dept Mat Engn, Zagazig, Egypt	Magazine of Concrete Research	Nov 2016	1.227	N/A
11	Flexural behavior of high-strength concrete beams reinforced with a strain hardening cement-based composite layer	Khan, MI Abbass, W	King Saud Univ, Coll Engn, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Oct 2016	2.421	NPST 12-ADV2591-02
12	Evaluation of TRMM satellite-	Tekeli, AE	King Saud Univ, Dept	Journal of	Oct 2016	3.043	KSU



	based precipitation indexes for flood forecasting over Riyadh City, Saudi Arabia	Fouli, H	Civil Engn, Riyadh, Saudi Arabia  Cankiri Karatekin Univ, Dept Civil Engn, Cankiri, Turkey	Hydrology			Research Center CoE
13	Lime-Amended Semi-arid Soils in Retaining Copper, Lead, and Zinc from Aqueous Solutions	Moghal, AAB Reddy, KR Mohammed, SA Al-Shamrani, MA Zahid, WM	King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia  Univ Illinois, Dept Civil & Mat Engn, Chicago, IL 60607 USA  HKBK Coll Engn, Dept Civil Engn, Karnatak, India  King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Water and Pollution Air and Soil	Oct 2016	1.551	NPST 12ENV2583 -02
14	Sustainable Use of Locally Available Red Earth and Black Cotton Soils in Retaining Cd <sup>2+</sup> and Ni <sup>2+</sup> from Aqueous Solutions	Mohammed, SA Sanaula, PF Moghal, AAB	HKBK Coll Engn, Dept Civil Engn, Bangalore 560045, India  HKBK Coll Engn, Dept Chem, Bangalore 560045, India	International Journal of Civil Engineering	Oct 2016	0.372	DST India SR/S3/MER C/0111/2012

			King Saud Univ, Dept Civil Engr, Coll Engr, Bugshan Res Chair Expans Soils, Riyadh 11421, Saudi Arabia				
<b>15</b>	Accelerated Rusting of Reinforcing Bars: The Role of Manganese Alloying in Concrete Reinforcement Steel Bars	Hussain, RR Alhozaimy, A Al Negheimish, A Singh, JK Singh, DDN	King Saud Univ, Dept Civil Engr, Coll Engr, Ctr Excellence Concrete Res & Testing CoE CRT, Riyadh, Saudi Arabia  IEST, Kolkata, India  CSIR, Natl Met Lab, Corros & Surface Engr, Jamshedpur, Bihar, India	ACI Materials Journal	Sep 2016	<b>1.154</b>	NPST 09-NAN 674-02
<b>16</b>	Assessing Groundwater Geospatial Variation Using Microgravity Investigation in the Arid Riyadh Metropolitan Area, Saudi Arabia: a Case Study	El Alfy, M ElSebaie, I Aguib, A Mohamed, A Tarawneh, Q	King Saud Univ, Prince Sultan Inst Environm Water & Desert Res, PSIPW Chair, Riyadh, Saudi Arabia  King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh, Saudi Arabia  Geomat USA LLC, Gainesville, FL USA	Water Resources Management	Sep 2016	<b>2.437</b>	NPST SPA 1505

17	Shear strength prediction of HSC slender beams without web reinforcement	Elsanadedy, HM Abbas, H Al-Salloum, YA Almusallam, TH	King Saud Univ, Coll Engn, Dept Civil Engn, MMB Chair Res & Studies Strengthening & Rehabil S, POB 800, Riyadh 11421, Saudi Arabia	Materials and Structures	Sep 2016	2.453	KSU RGP-VPP-104
18	Reducing local scour at bridge piers using an upstream subsidiary triangular pillar	Fouli, H Elsebaie, IH	King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia.	Arabian Journal of Geosciences	Aug 2016	1.224 (JCR 2014) Not in 2015	KSU DSR CoE
19	Post-heating response of concrete-filled circular steel columns	Husain Abbas Yousef Al-Salloum Saleh Alsayed Mohammed Alhaddad Rizwan Iqbal	King Saud Univ, Dept Civil Engn, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	KSCE J of Civil Eng	Aug 2016	0.600	KSU, DSR
20	Mechanical properties of hybrid fibre-reinforced concrete - analytical modelling and experimental behaviour	Abadel, A Abbas, H Almusallam, T Al-Salloum, Y Siddiqui, N	King Saud Univ, Dept Civil Engn, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh, Saudi Arabia	Magazine of Concrete Research	Aug 2016	1.227	NPST 12ADV2619 02
21	Mechanical properties of hybrid fibre-reinforced concrete – analytical	Aref Abadel Abbas, H	King Saud Univ, Dept Civil Engn, MMB Chair Res & Studies	Magazine of Concrete Research	Aug 2016	1.227	N/A

	modelling and experimental behaviour	Tarek Almusallam Yousef Al-Salloum Nadeem Siddiqui	Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia				
22	Effect of elevated temperature environments on the residual axial capacity of RC columns strengthened with different techniques	Al-Salloum, YA Almusallam, TH Elsanadedy, HM Iqbal, RA	King Saud Univ, Dept Civil Engr, Coll Engr, MMB Chair Res & Studies Strengthening & Rehabil S, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Jul 2016	2.421	KSU DSR
23	Blast response of GFRP-strengthened infill masonry walls	Alsayed, SH Elsanadedy, HM Al-Zaheri, ZM Al-Salloum, YA Abbas, H	King Saud Univ, Dept Civil Engr, Coll Engr, MMB Chair Res & Studies Strengthening & Rehabil S, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Jul 2016	2.421	N/A
24	Effect of Fibercast and Fibermesh inclusion on the direct shear and linear shrinkage response of clay	Dafalla, MA Moghal, AAB	King Saud Univ, Dept Civil Engr, Coll Engr, Bugshan Res Chair Expans Soils, POB 800, Riyadh 11421, Saudi Arabia	Arabian Journal of Geosciences	Jul 2016	1.224 (JCR 2014) Not in 2015	NPST 11BUI1489-02
25	Numerical investigation of the performance of micropiled rafts in sand	Alnuaim, AM El Nagggar, MH El Nagggar, H	King Saud Univ, Dept Civil Engr, Coll Engr, POB 800, Riyadh 11421, Saudi Arabia	Computers and Geotechnics	Jul 2016	1.705	KSU through the Saudi Cultural

			<p>Univ Western Ontario, Dept Civil &amp; Environm Engn, 1151 Richmond St, London, ON N6A 5B9, Canada</p> <p>Dalhousie Univ, Dept Civil &amp; Resource Engn, 1360 Barrington St, Halifax, NS B3H 4R2, Canada</p>				Bureau in Canada
26	Experimental verification of strut and tie model for HSC deep beams without shear reinforcement	Shuraim, AB El-Sayed, AK	<p>King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res &amp; Testing, POB 800, Riyadh 11421, Saudi Arabia</p>	Engineering Structures	Jul 2016	<b>1.893</b>	NPST 10- ADV1023- 02
27	Mechanical properties, phase composition and microstructure of activated Metakaolin-slaked lime binder	M. S. Morsy Y. A. Al-Salloum T. H. Almusallam H. Abbas	<p>King Saud Univ, Dept Civil Engn, MMB Chair Res &amp; Studies Strengthening &amp; Rehabil S, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia</p>	KSCE J of Civil Eng	July 2016	<b>0.600</b>	KSU, DSR
28	Analysis of punching shear in	Shuraim, AB	King Saud Univ, Coll	Computers	Jul 2016	<b>0.849</b>	NPST ADV-

	high strength RC panels-experiments, comparison with codes and FEM results	Aslam, F Hussain, RR Alhozaimy, AM	Engn, Dept Civil Engn, Riyadh, Saudi Arabia	and Concrete			208
29	Soil And Backfill Material of Environmental Friendly Thermal Properties	Dafalla, MA Samman, A	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia  King Saud Univ, Coll Engn, Dept Civil Engn, Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia	International Journal of Geomate	Jul 2016	N/A	N/A
30	Performance of optimized electric arc furnace dust-based cementitious matrix compared to conventional supplementary cementitious materials	Fares, G Al-Zaid, RZ Fauzi, A Alhozaimy, AM Al-Negheimish, AI Khan, MI	King Saud Univ, Ctr Excellence Concrete Res & Testing, Dept Civil Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Construction and Building Materials	June 2016	2.421	NPST 08- ENV355-2
31	Performance of concrete subjected to elevated temperature	Khan, MS Abbas, H	Glocal Univ, Dept Civil Engn, Saharanpur, India  King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	European Journal of Environment al and Civil Engineering	May 216	0.636	N/A
32	Flexural Behavior of Beams	Abdelhamid Charifa	King Saud Univ, Coll	Latin	May 216	0.830	KSU

	Reinforced with Steel Bars Exceeding the Nominal Yield Strength	Shehab M. Mouradb M. Iqbal Khanc	Engn, Dept Civil Engn, Riyadh, Saudi Arabia	American Journal of Solids and Structures			RGP-VPP-105
33	Size effect on shear resistance of high strength concrete deep beams	El-Sayed, AK Shuraim, AB	King Saud Univ, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Materials and Structures	May 2016	<b>2.453</b>	NPST 10-ADV1023-02
34	Analysis of piled raft coefficient and load-settlement on sandy soil	Alshenawy, AO Alrefeai, TO Alsanabani, NM	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	Arabian Journal of Geosciences	May 2016	<b>1.224</b> (JCR 2014) Not in 2015	N/A
35	Total float management: computerized technique for construction delay analysis	Al-Gahtani, KS Al-Sulaihi, IA Iqupal, A	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	Canadian Journal of Civil Engineering	May 2016	<b>0.586</b>	NPST 11-BUI2090-02
36	Assessment of a water-harvesting site in Riyadh Region of Kingdom of Saudi Arabia using hydrological analysis	Fouli, H Al-Turbak, AS Bashir, B Loni, OA	King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia  KACST, POB 6086, Riyadh 11442, Saudi Arabia	Arabian Journal of Geosciences	May 2016	<b>1.224</b> (JCR 2014) Not in 2015	Chair of Prince Sultan Bin Abdulaziz International Prize for Water

	Behavior and Design Aspects of FRP-Strengthened URM Walls under Out-of-Plane Loading	H. M. Elsanadedy Y. A. Al-Salloum Z. M. Al-Zaheri S. H. Alsayed	King Saud Univ, Dept Civil Engr, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia	Journal Of Composites For Construction	May 2016	<b>2.503</b>	N/A
37	Investigation of The Hydraulic Efficiency of Sand Natural Expansive Clay Mixtures	Shaker, AA Elkady, TY	King Saud Univ, Coll Engr, Dept Civil Engr, Engr Abdullah Bugshan Res Chair Expans Soils, Riyadh, Saudi Arabia	International Journal of Geomate	Apr 2016	<b>Newly added</b>	N/A
38	Fiber-Matrix Interactions in Fiber-Reinforced Concrete: A Review	Abbas, YM Khan, MI	King Saud Univ, Coll Engr, Dept Civil Engr, POB 800, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Apr 2016	<b>0.728</b>	KSU RGP-VPP-105
39	Investigating sustainability parameters of administrative buildings in Saudi Arabia	Al-Gahtani, K Alsulaihi, I El-Hawary, M Marzouk, M	1King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh 11451, Saudi Arabia  2Cairo Univ, Dept Struct Engr, Fac Engr, Giza 12613, Egypt	Technologica l Forecasting and Social Change	Apr 2016	<b>2.678</b>	NPST 11-BUI2090-02
40	Effect of high temperature on structural response of	Hussein Elsanadedy	King Saud Univ, Dept Civil Engr, MMB	Journal of Composite	Apr 2016	<b>1.242</b>	KSU, DSR



	reinforced concrete circular columns strengthened with fiber reinforced polymer composites	Tarek Almusallam Yousef Al-Salloum Rizwan Iqbal	Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Materials			
41	Creep and drying shrinkage of concrete containing GGBFS	Shariq, M Prasad, J Abbas, H	Aligarh Muslim Univ, Dept Civil Engn, Aligarh, Uttar Pradesh, India  Indian Inst Technol Roorkee, Dept Civil Engn, Roorkee, Uttar Pradesh, India  King Saud Univ, Dept Civil Engn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh, Saudi Arabia	Cement & Concrete Composites	Apr 2016	3.399	N/A
42	Modelling steel-strip-confined reinforced-concrete columns	Rizwan, M Khan, SA Ilyas, M Hussain, RR	Univ Witwatersrand, Sch Min, South Africa  Natl Univ Sci & Technol, Islamabad, Pakistan  Univ Engn & Technol, Dept Civil Engn, Pakistan	Proceedings of the Institution of Civil Engineers- Structures and Buildings	Apr 2016	0.429	KSU DSR

			King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia				
43	Efficiency of CFRP Strengthening in Controlling the Deflection of RC Beams in a Redundant Structural System	Shuraim, AB El-Sayed, AK Al-Negheimish, AI Alhozaimy, AM	King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, POB 800, Riyadh 11421, Saudi Arabia	Journal of Composites for Construction	Apr 2016	<b>2.503</b>	KSU CEREM & (CoE-CRT)
44	Theoretical and physical modeling of fiber-matrix interactions: A review	Y.M. Abbas M.I. Khan.	King Saud Univ, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Mar 2016	<b>0.728</b>	KSU RGP-VPP- 105
45	Flood hazards in an urbanizing watershed in Riyadh, Saudi Arabia	Sharif, HO Al-Juaidi, FH Al-Othman, A Al-Dousary, I Fadda, E Jamal-Uddeen, S Elhassan, A	Univ Texas San Antonio, TX 78240 USA  King Saud Univ, Dept Geog, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Civil Engn, Riyadh 11451, Saudi Arabia\  Imam Muhammad Bin Saud Islamic Univ,	Geomatics Natural Hazards & Risk	Mar 2016	<b>2.140</b>	KACST AR- 10-55

			<p>Dept Geog, Riyadh 11432, Saudi Arabia</p> <p>Dar Al Riyadh Consultants, Riyadh 11422, Saudi Arabia</p> <p>El Paso Res &amp; Extens Ctr, Dept Geog, El Paso, TX 79927 USA</p>				
46	Impact assessment of rainfall-vegetation on sedimentation and predicting erosion-prone region by GIS and RS	<p>Alam, M</p> <p>Hussain, RR</p> <p>Islam, ABMS</p>	<p>COMSATS Inst Informat Technol, Dept Meteorol, Pakistan</p> <p>King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia</p> <p>Univ Malaya, Fac Engn, Dept Civil Engn, Malaysia</p>	Geomatics Natural Hazards & Risk	Mar 2016	<b>2.140</b>	KSU DSR
47	Storm Water Harvesting in Saudi Arabia: a Multipurpose Water Management Alternative	Guizani, M	King Saud Univ, Fac Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia	Water Resources Management	Mar 2016	<b>2.437</b>	N/A
48	Snow-covered area determination based on satellite-derived probabilistic snow cover maps	<p>Tekeli, AE</p> <p>Sonmez, I</p> <p>Erdi, E</p>	<p>Ondokuz Mayis Univ, Dept Meteorol, Samsun, Turkey</p> <p>Turkish State Meteorol Serv,</p>	Arabian Journal of Geosciences	Mar 2016	<b>1.224</b> (JCR 2014) Not in 2015	KSU DSR

			Ankara, Turkey King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia				
49	Evaluation of Powdered Scoria Rocks from Various Volcanic Lava Fields as Cementitious Material	Fares, G Alhozaimy, A Alawad, OA Al-Negheimish, A	King Saud Univ, Ctr Excellence Concrete Res & Testing CoE CRT, Dept Civil Engr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Materials in Civil Engineering	Mar 2016	1.295	NPST 08-ENV 314-02
50	Influence of bacteria on compressive strength and permeation properties of concrete made with cement baghouse filter dust	Siddique, R Nanda, V Kunal Kadri, EH Khan, MI Singh, M Rajor, A	Thapar Univ, Dept Civil Engr, Patiala 147004, Punjab, India  Univ Cergy Pontoise, Dept Civil Engr, Cergy Pontoise, France King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia  Thapar Univ, Sch Energy & Environm, Patiala ,Punjab, India	Construction and Building Materials	Mar 2016	2.296	N/A
51	Behaviour Of Reinforced Concrete Beams Without Stirrups Subjected To Steel Reinforcement Corrosion	Azam, R El-Sayed, AK Soudki, K	Univ Waterloo, Dept Civil Engr, Waterloo, ON N2L 3G1, Canada  King Saud Univ, Dept Civil Engr, Riyadh,	Journal of Civil Engineering and Management	Feb 2016	1.530	University of Engineering and Technology

			Saudi Arabia				Lahore, Pakistan
52	Use of interactive multisensor snow and ice mapping system snow cover maps (IMS) and artificial neural networks for simulating river discharges in Eastern Turkey	Atas, M Tekeli, AE Donmez, S Fouli, H	Siirt Univ, Dept Comp Engn, Siirt, Turkey  King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia  Cankiri Karatekin Univ, Dept Civil Engn, Cankiri, Turkey	Arabian Journal of Geosciences	Feb 2016	1.224 (JCR 2014) Not in 2015	KSU DSR
53	Effect of stress ratio on the volume change behavior of compacted highly expansive clay	Abbas, MF Elkady, TY Al-Shamrani, MA	King Saud Univ, Engn Bugshan Res Chair Expans Soils, Dept Civil Engn, Coll Engn, PO 800, Riyadh 11421, Saudi Arabia  Cairo Univ, Fac Engn, Giza 12211, Egypt	Arabian Journal of Geosciences	Feb 2016	1.224 (JCR 2014) Not in 2015	KSU DSR
54	Nine-parameter curvilinear transformation between datums	Alashaikh, AH Bilani, HM Alshehri, SA	King Saud Univ, Coll Engn, Dept Civil Engn, POB 800, Riyadh 11421, Saudi Arabia  King Fahd Secur Coll, Ctr Geospatial Sci, POB 377246, Riyadh 11335, Saudi Arabia	Arabian Journal of Geosciences	Feb 2016	1.224 (JCR 2014) Not in 2015	KSU DSR
55	The effect of curing conditions on the unconfined compression strength of lime-treated	Elkady, TY	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421,	Road Materials and Pavement	Jan 2016	1.547	NPST 11- BUI-1901- 02

	expansive soils		Saudi Arabia	Design			
56	Effect of sintering parameters on the dynamic hysteresis scaling behavior of Ba <sub>0.85</sub> Sr <sub>0.15</sub> Zr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> ceramics	Patel, S Srikanth, KS Moghal, AAB Madhar, NA Vaish, R	Indian Inst Technol Mandi, Sch Engr, Kamand, Himachal Prades, India  King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh, Saudi Arabia  King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh, Saudi Arabia	Integrated Ferroelectric s	Jan 2016	0.375	KSU DSR
57	Significance of oxygen concentration on the quality of passive film formation for steel reinforced concrete structures during the initial curing of concrete	Alhozaimy, A Hussain, RR Al-Negheimish, A	King Saud Univ, Ctr Excellence Concrete Res & Testing, Dept Civil Engr, Coll Engr, Riyadh 11421, Saudi Arabia  King Saud Univ, CoE CRT, Dept Civil Engr, Coll Engr, Riyadh 11421, Saudi Arabia	Cement & Concrete Composites	Jan 2016	3.399	NPST 09-NAN 674-02
58	Punching of slab-column connections strengthened using external steel shear bolts	Baig, ZI Alsayed, SH Abbas, H	Majmaah Univ, Dept Civil Engr, Majmaah, Saudi Arabia  King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia	Magazine of Concrete Research	Jan 2016	1.227	N/A

59	Influence of Fiber Properties on Shear Failure of Steel Fiber Reinforced Beams Without Web Reinforcement: ANN Modeling	Abbas, YM Khan, MI	King Saud Univ, Dept Civil Engr, POB 800, Riyadh 11421, Saudi Arabia	Latin American Journal of Solids and Structures	2016	0.830	KSU RGP-VPP-105
60	Strain Rate Dependent Behavior and Modeling for Compression Response of Hybrid Fiber Reinforced Concrete	Ibrahim, SM Almusallam, TH Al-Salloum, YA Abadel, AA Abbas, H	King Saud Univ, Dept Civil Engr, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia	Latin American Journal of Solids and Structures	2016	0.830	NPST 12-ADV2619-02
61	Evaluation of shear-deficient lightweight RC beams retrofitted with adhesively bonded CFRP sheets	Al-Akhras, NM Shannag, MJ Malkawi, AB	Jordan Univ Sci & Technol, Dept Civil Engr, Irbid, Jordan  King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia  Najran Univ, Dept Civil Engr, Najran, Saudi Arabia	European Journal of Environmental and Civil Engineering	2016	0.636	N/A
62	A method for predicting the deformation of swelling clay soils and designing shallow foundations that are subjected to uplifting	Mohamed, B Mekhti, D Abdelhamid, C	Univ Batna, Dept Civil Engr, Lab LRNAT, Batna 05000, Algeria  Azerbaijan Civil Engr Univ, Lab Soil Mech, A Sultanova St 5, Baku 370073, Azerbaijan	Acta Geotechnica Slovenica	2016	0.182	N/A

			King Saud Univ, Coll Engn, POB 800, Dept Civil Engn, Riyadh 11421, Saudi Arabia				
<b>63</b>	Effect of stirrup corrosion on the shear strength of reinforced concrete short beams	El-Sayed, AK Hussain, RR Shuraim, AB	King Saud Univ, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia	Journal of Civil Engineering and Management	2016	<b>1.530</b>	NPST 10- BUI1191-02



**Industrial Engineering Department**  
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\*Advance Manufacturing Institute

No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR ) Impact Factor	Grant Number if funded by KSU or KACST
1	Decision support system for the selection of advanced manufacturing technologies	Al-Ahmari, AM Ateekh-Ur-Rehman Ali, S	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Journal of Engineering Research	Dec 2016	0.177	Vice Deanship of Research Chairs of KSU
2	Laser beam micro-milling of nickel alloy: dimensional variations and RSM optimization of laser parameters	Ahmed, N Alahmari, AM Darwish, S Naveed, M	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia  Princess Nourah Bint Abdulrahman Univ, Coll Sci, Dept Math, Riyadh, Saudi Arabia	Applied Physics A- Materials Science & Processing	Dec 2016	1.444	Vice Deanship of Research Chairs of KSU
3	An Approach to Evaluating Alternatives for Wind Power Plant Locations	Rehman, AU	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia	South African Journal of Industrial Engineering	Dec 2016	0.188	CoE Research Center, KSU

4	Note on the Hybrid Flowshop Scheduling Problem with Multiprocessor Tasks	Hidri, L	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia	International Journal Of Production Economics	Dec 2016	2.782	CoE Research Center, KSU
5	Analysis of a multimachine flexible manufacturing cell using stochastic Petri nets	Al-Ahmari, A Li, ZW	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia  Macau Univ Sci & Technol, Macau Inst Syst Engn, Taipa, Macau, Peoples R China	Advances in Mechanical Engineering	Nov 2016	0.640	KSU
6	Chip morphology predictions while machining hardened tool steel using finite element and smoothed particles hydrodynamics methods	Umer, U Abu Qudeiri, J Ashfaq, M Al-Ahmari, A	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia	Journal of Zhejiang University-SCIENCE A	Nov 2016	0.941	KSU DSR
7	Experimental investigation of micro-channels produced in aluminum alloy (AA 2024) through laser machining	Ahmed, N Alahmari, AM Darwish, S Khan, AA	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia	Applied Physics A- Materials Science & Processing	Nov 2016	1.444	KSU, DSR
8	Experimental Investigation of Dimensional Variation in Laser-machined Micro-channels produced in Titanium Alloy	Ahmed, N Darwish, S Alahmari, AM	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Riyadh,	Journal of Laser Micro Nanoengineering	OCT 2016	0.759	N/A

			Saudi Arabia				
<b>9</b>	Effect of laser ablation parameters on surface improvement of electron beam melted parts	Mohammad, A Mohammed, MK Alahmari, AM	King Saud Univ, Adv Mfg Inst, FARCAMT Chair, Riyadh 11421, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Dept Ind Engn, FARCAMT Chair, Coll Engn, Riyadh 11421, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Oct 2016	<b>1.568</b>	NSTIP 11- ADV1494- 02
<b>10</b>	Laser beam micro-milling (LBMM) of selected aerospace alloys	Alahmari, AM Darwish, S Ahmed, N	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Oct 2016	<b>1.568</b>	KSU DSR
<b>11</b>	Using goal linear programming to manage natural gas take-or-pay contract clauses in electricity generation	Bouras, A	King Saud Univ, Dept Ind Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia	Journal of Natural Gas Science and Engineering	Sep 2016	<b>2.045</b>	CoE Research Center, KSU
<b>12</b>	Laser Ablation and Laser-Hybrid Ablation Processes: A Review	Ahmed, N Darwish, S Alahmari, AM	King Saud Univ, Dept Ind Engn, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res	Materials and Manufacturing Processes	Sep 2016	<b>1.419</b>	KSU DSR

			Chair Adv Mfg Tech, Riyadh, Saudi Arabia				
<b>13</b>	Identifying shoe wear mechanisms and associated tribological characteristics: Importance for slip resistance evaluation	Kim, IJ	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Wear	Aug 2016	<b>2.323</b>	N/A
<b>14</b>	Mesoscale cavities in hollow-core waveguides for quantum optics with atomic ensembles	Haapamaki, CM Flannery, J Bappi, G Al Maruf, R Bhaskara, SV Alshehri, O Yoon, T Bajcsy, M	Univ Waterloo, Inst Quantum Comp, Waterloo, ON, Canada  King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Nanophotonics	Aug 2016	<b>4.333</b>	Industry Canada
<b>15</b>	Micro-channels by Nd:YAG laser beam machining: fabrication, microstructures, and micro-hardness profiles	Ahmed, N Darwish, S Alahmari, AM Shar, MA	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia Univ  King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia  King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Aug 2016	<b>1.568</b>	DSR Program by King Saud University
<b>16</b>	A study of micro-channel size and spatter dispersion for laser beam micro-milling	Darwish, S Ahmed, N	King Saud Univ, Dept Ind Engn, Riyadh,	Materials and Manufacturing Processes	April 2016	<b>1.419</b>	DSR Program by King Saud

		Alahmari, AM Mufti, N.A	Saudi Arabia King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia  Dept Ind Engn & Manuf, Univ of Engn, Lahore, Pakistan				University
17	On multistage approach for flexible routing in flexible manufacturing systems	Abu Qudeiri, JE Umer, U Abidi, MH Al-Ahmari, AM Abu Khadra, F	King Saud Univ, Adv Mfg Technol FARCAMT, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Abdulaziz Univ, Dept Mech Engn, Jeddah, Saudi Arabia	Advances in Mechanical Engineering	July 2016	0.640	KSU DSR
18	Additive Manufacturing of - TiAl: Processing, Microstructure, and Properties	Balla, VK Das, M Mohammad, A Al-Ahmari, AM	Cent Glass & Ceram Res Inst, CSIR, Bioceram & Coating Div, 196 Raja SC Mullick Rd, Kolkata 700032, India  King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi	Advanced Engineering Materials	July 2016	1.817	NSTIP 11- ADV1494- 02

			Arabia				
19	An optimization-based heuristic for the machine reassignment problem	Mrad, M Gharbi, A Haouari, M Kharbeche, M	King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh, Saudi Arabia  Qatar Univ, Dept Mech & Ind Engn, Coll Engn, Doha, Qatar  Qatar Univ, Qatar Rd Safety Studies Ctr, Doha, Qatar	Annals of Operations Research	July 2016	1.406	KSU RGP-296
20	Production Planning In a Three-Stock Reverse-Logistics System With Deteriorating Items Under a Periodic Review Policy	Bouras, A Hedjar, R Tadj, L	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Comp Engn, Coll Comp & Informat Sci, Riyadh 11421, Saudi Arabia	Journal of Industrial and Management Optimization	July 2016	0.776	CoE Research Center, KSU
21	Assessment of finite element and smoothed particles hydrodynamics methods for modeling serrated chip formation in hardened steel	Umer, U Mohammed, MK Abu Qudeiri, J Al-Ahmari, A	King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept	Advances on Mechanical Engineering	June 2016	0.583	KSU DSR

			Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia				
22	Confusion avoidance for discrete event systems by P/E constraints and supervisory control	Chen, XL Li, ZW Wu, NQ Al-Ahmari, AM El-Tamimi, AM Nasr, ESA	Xidian Univ, Sch Electromech Engn, Xian 710071, Peoples R China Macau Univ Sci & Technol, Inst Syst Engn, Taipa, Macau, Peoples R China King Saud Univ, Dept Ind Engn, Coll Engn, Riyadh 11421, Saudi Arabia	IMA Journal of Mathematical Control and Information	June 2016	1.156	NPST 12-ELE2506-02
23	Modeling and performance analysis of a closed-loop supply chain using first-order hybrid Petri nets	Outmal, I Kamrani, A Nasr, ES Alkahtani, M	Univ Houston, Dept Ind Engn, Coll Engn, Houston, TX USA King Saud Univ, Dept Ind Engn, POB 800, Riyadh 11421, Saudi Arabia	Advances in Mechanical Engineering	May 2016	0.640	CoE Research Center, KSU
24	Computer-aided design and simulation of strip layout for progressive die planning using Petri nets	Hussein, HMA Kumar, S Nasr, ESA	Helwan Univ, Fac Engn, Dept Mech Engn, Cairo, Egypt SV Natl Inst Technol, Dept Mech Engn, Surat, India	Advances in Mechanical Engineering	April 2016	0.640	NPST 12-INF2816-02



			King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia				
25	A comparison of laser beam machining of micro-channels under dry and wet mediums	Darwish, S Ahmed, N Alahmari, AM Mufti, NA	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia  Univ Engn & Technol, Dept Ind & Mfg Engr, Lahore, Pakistan	International Journal of Advanced Manufacturing Technology	April 2016	1.568	KSU DSR
26	Laser beam micro-machining under water immersion	Alahmari, AM Ahmed, N Darwish, S	King Saud Univ, Dept Ind Engn, Riyadh, Saudi Arabia  King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia  King Saud Univ, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturing Technology	April 2016	1.568	KSU DSR
27	A Hybrid Machining Process Combining Micro-EDM and Laser Beam Machining of Nickel Titanium-Based Shape Memory Alloy	Al-Ahmari, AMA Rasheed, MS Mohammed, MK Saleh, T	King Saud Univ, Adv Mfg Inst, FARCAMT, Riyadh, Saudi Arabia  King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia	Materials and Manufacturing Processes	March 2016	1.419	KSU DSR

			Int Islamic Univ, Dept Mechatron Engr, Kuala Lumpur, Malaysia				
28	Development of a virtual manufacturing assembly simulation system	Al-Ahmari, AM Abidi, MH Ahmad, A Darmoul, S	King Saud Univ, Adv Mfg Inst, FARCAMT CHAIR, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh, Saudi Arabia  Northwestern State Univ Louisiana, Dept Engr Technol, Natchitoches, LA USA	Advances In Mechanical Engineering	March 2016	0.640	NPST 12-INF2573-02
29	A study on wear development of floor surfaces: Impact on pedestrian walkway slip-resistance performance	Kim, IJ	King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh 11421, Saudi Arabia	Tribology International	March 2016	2.259	N/A
30	Optimal robotic cell scheduling with controllers using mathematically based timed Petri nets	Al-Ahmari, A	King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh 11421, Saudi Arabia	Information Sciences	Feb 2016	3.364	KSU DSR
31	Porous $\gamma$ -TiAl Structures Fabricated by Electron Beam Melting Process	M. Ashfaq, A. Al-Ahmari K. Moiduddin	(FARCAMT), Adv Manuf Inst, King Saud University, Riyadh 11421, Saudi Arabia	Metals-Basel	Jan 2016	1.574	N/A

		Muneer K. M Abdulrahman Alomar Ravi K. R.	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia  Strl Nanomaterials Laboratory, PSG Institute of Advanced Studies, Coimbatore 641004, India				
32	Porous gamma-TiAl Structures Fabricated by Electron Beam Melting Process	Mohammad, A Alahmari, AM Moiduddin, K Mohammed, MK Alomar, A Renganayagalu, RK	King Saud Univ, Adv Mfg Inst, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  PSG Inst Adv Studies, Struct Nanomat Lab, Coimbatore 641004, Tamil Nadu, India	Metals	Jan 2016	<b>1.574</b>	NPST 11- ADV1494- 02
33	Predicting surface quality of gamma-TiAl produced by additive manufacturing process using response surface method	Al-Ahmari, A Ashfaq, M Alfaify, A Abdo, B Alomar, A Dawud, A	King Saud Univ, Adv Mfg Inst, FARCAMT Chair, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11451, Saudi Arabia	Journal of Mechanical Science And Technology	Jan 2016	<b>0.761</b>	NPST 11- ADV1494- 02

34	Confusion diagnosis and avoidance of discrete event systems using supervisory control	<p>Chen, XL Li, ZW Wu, NQ Al-Ahmari, A El-Tamimi, AM Nasr, EA</p>	<p>Xidian Univ, Sch Electromech Engr, Xian 710071, Peoples R China  Macau Univ Sci &amp; Technol, Inst Syst Engr, Taipa 999078, Macau, Peoples R China  King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh 11421, Saudi Arabia</p>	IEEJ Transactions on Electrical and Electronic Engineering	Jan 2016	0.261	NSTIP 12-ELE2506-02
35	Customized porous implants by additive manufacturing for zygomatic reconstruction	<p>Moiduddin, K Al-Ahmari, A Al Kindi, M Nasr, ESA Mohammad, A Ramalingam, S</p>	<p>King Saud Univ, Dept Ind Engr, Coll Engr, Riyadh, Saudi Arabia  King Saud Univ, Coll Dent, Riyadh, Saudi Arabia</p>	Biocybernetics and Biomedical Engineering	2016	0.808	KSU DSR
36	Comparing 3-Dimensional Virtual Reconstruction methods in Customized Implants	<p>Moiduddin, K Al-Ahmari, A Nasr, ESA Al Kindi, M Ramalingam, S Kamrani, A</p>	<p>King Saud Univ, AMI, Riyadh, Saudi Arabia  King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh, Saudi Arabia  King Saud Univ, Coll Dent, Riyadh, Saudi Arabia  Univ Houston, Dept Ind Engr, Cullen Coll Engr, Houston, TX</p>	International Journal Of Advanced Biotechnology And Research	2016	0.0	N/A

			77004 USA				
37	Optimization of the Parameters of RISE Feedback Controller Using Genetic Algorithm	Abu Khadra, F Abu Qudeiri, J Alkahtani, M	King Abdulaziz Univ, Fac Engn, Rabigh 21911, Saudi Arabia  King Saud Univ, Princess Fatima Alnijiriss Res Chair Adv Mfg Tech, Riyadh 11421, Saudi Arabia  King Saud Univ, Dept Ind Engn, Riyadh 11421, Saudi Arabia	Mathematica I Problems in Engineering	2016	<b>0.644</b>	KSU DSR
38	Conducting and Biopolymer Based Electrospun Nanofiber Membranes for Wound Healing Applications	Karim, MR Al-Ahmari, A Dar, MA Aijaz, MO Mollah, ML Ajayan, PM Yeum, JH Kim, KS	King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia  Patuakhali Sci & Technol Univ, Dept Med & Surg, Barisal , Bangladesh  Rice Univ, Dept Mat	Current Nanoscience	2016	<b>0.934</b>	KSU CEREM- IR028

			Sci & Nano Engn, Houston, TX 77005 USA  Kyungpook Natl Univ, Dept Adv Organ Mat Sci & Engn, Taegu, South Korea  Kyungpook Natl Univ, Dept Vet Med, Taegu 702701, South Korea				
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**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	Grant Number if funded by KSU or KACST
1	Comparison of Wind Energy Generation Using the Maximum Entropy Principle and the Weibull Distribution Function	Shoaib, M Siddiqui, I Rehman, S Rehman, SU Khan, S Lashin, A	Fed Urdu Univ Arts Sci & Technol, Dept Phys, Block 9, Karachi, Pakistan  Univ Karachi, Dept Phys, Main Univ Rd, Karachi, Pakistan  King Fahd Univ Petr & Minerals, Res Inst, Engrn Res Ctr, Dhahran, KSA  Islamia Coll Peshawar, Pakistan  King Saud Univ, Petr & Nat Gas Engrn Dept, Coll Engrn, Riyadh 11421, Saudi Arabia	Energies	Oct 2016	2.077	KSU DSR IRG14-36
2	Lyapunov-type inequalities for a fractional p-Laplacian equation	Al Arifi, N Altun, I Jleli, M Lashin, A	King Saud Univ, Dept Geol & Geophys, Coll Sci, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll	Journal of Inequalities and Applications	Aug 2016	0.630	N/A



		Samet, B	<p>Sci, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Dept Math, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Petr &amp; Nat Gas Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia</p>				
3	pH-dependent probing of levofloxacin assimilated in surfactant mediated assemblies: Insights from photoluminescent and chromatographic measurements	<p>Nazar, MF</p> <p>Azeem, W</p> <p>Rana, UA</p> <p>Ashfaq, M</p> <p>Lashin, A</p> <p>Al-Arifi, N</p> <p>Rahman, HMA</p> <p>Lazim, AM</p> <p>Mahmood, A</p>	<p>Univ Gujrat, Dept Chem, Gujrat 50700, Pakistan</p> <p>Govt Coll Univ, Dept Chem, Lahore 54590, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Sci, Dept Geol &amp; Geophys, POB 2455, Riyadh 11451, Saudi</p>	Journal of Molecular Liquids	Aug 2016	<b>2.740</b>	KSU RGP-1436-08

			<p>Arabia</p> <p>A Chartered Univ, Forman Christian Coll, Pakistan</p> <p>Univ Kebangsaan, Fac Sci &amp; Technol, Sch Chem Sci &amp; Food Technol, Malaysia</p> <p>Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan</p>				
4	An integrated geophysical study for inferring the subsurface setting of water-bearing aquifers: case study at Wadi al-Dawasir area, Saudi Arabia	<p>Al Asmari, A Mogren, S Lashin, A Hussein, M Al Fouzan, F</p>	<p>King Saud Univ, KACST, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Coll Sci, Dept Geol &amp; Geophys, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia</p>	Environmental Earth Sciences	June 2016	<b>0.0</b>	KSU RGP-1436-08
5	Suitability of utilizing small horizontal axis wind turbines for off grid loads in eastern region of Saudi Arabia	<p>Rehman, S Baseer, MA Meyer, JP Alam, MM</p>	<p>King Fahd Univ Petr &amp; Minerals, Res Inst, Engn Res Ctr, Dhahran 31261, Saudi Arabia</p>	Energy Exploration & Exploitation	May 2016	<b>1.094</b>	KSU IRG14-36

		<p>Alhems, LM</p> <p>Lashin, A</p> <p>Al Arifi, N</p>	<p>Univ Pretoria, Mech &amp; Aeronaut Engr Dept, ZA-0002 Pretoria, South Africa</p> <p>Jubail Ind Coll, Dept Mech &amp; Mfg Engr Technol, Jubail Ind City, Saudi Arabia</p> <p>Harbin Inst Technol, Shenzhen Grad Sch, Peoples R China</p> <p>King Saud Univ, Coll Engr, Petr &amp; Nat Gas Engr Dept, Riyadh, 11451, Saudi Arabia</p> <p>King Saud Univ, Coll Sci, Dept Geol &amp; Geophys, Riyadh, 11451, Saudi Arabia</p>				
6	Feasibility study of hybrid energy system for off-grid rural electrification in southern Pakistan	<p>Rehman, SU</p> <p>Rehman, S</p> <p>Qazi, MU</p> <p>Shoaib, M</p> <p>Lashin, A</p>	<p>Fed Urdu Univ Arts Sci &amp; Technol, Dept Phys, Karachi, Pakistan</p> <p>King Fahd Univ Petr &amp; Minerals, Res Inst, Engr Res Ctr, Dhahran, Saudi Arabia</p> <p>King Saud Univ, Coll</p>	Energy Exploration & Exploitation	May 2016	1.094	KSU IRG14-36

			Engn, Petr & Nat Gas Engn Dept, Riyadh, Saudi Arabia				
7	Investigation of mud density and weighting materials effect on drilling fluid filter cake properties and formation damage	Fattah, KA Lashin, A	King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, PO 800, Riyadh 11421, Saudi Arabia	Journal Of African Earth Sciences	May 2016	1.326	KSU RGP-1436- 08
8	Parametric Analysis of a Rotary Type Liquid Desiccant Air Conditioning System	Rafique, MM Rehman, S Alhems, LM Lashin, A	King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia  King Fahd Univ Petr & Minerals, Engn Res Ctr, Res Inst, Dhahran 31261, Saudi Arabi  King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia	Energies	Apr 2016	2.077	KSU  IRG14-36  & (KFUPM)
9	Geothermal energy potential of eastern desert region, Egypt	Chandrasekharam, D Lashin, A Al Arifi, N Al Bassam, A Varun, C Singh, HK	King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Sci, Dept Geol & Geophys, Riyadh 11451, Saudi Arabia  Indian Inst Technol,	Environment al Earth Sciences	Apr 2016	0.00	KSU RG-1435- 070

			Dept Earth Sci, Bombay 400076, Maharashtra, India  GeoSyndicate Power Pvt Ltd, Mumbai, Maharashtra, India				
<b>10</b>	Characterization of the Qishn sandstone reservoir, Masila Basin-Yemen, using an integrated petrophysical and seismic structural approach	Lashin, A Bin Marta, E Khamis, M	King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engr, Riyadh 11421, Saudi Arabia	Journal Of African Earth Sciences	Mar 2016	<b>1.326</b>	KSU RGP-1436-08
<b>11</b>	Analysis of a Solar Cooling System for Climatic Conditions of Five Different Cities of Saudi Arabia	Rafique, MM Rehman, S Lashin, A Al Arifi, N	King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia  King Fahd Univ Petr & Minerals, Engr Res Ctr, Res Inst, Dhahran 31261, Saudi Arabia  King Saud Univ, Petr & Nat Gas Engr Dept, Coll Engr, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Sci, Dept Geol & Geophys, POB 2455, Riyadh 11451, Saudi Arabia	Energies	Feb 2016	<b>2.077</b>	KSU IRG14-36 & (KFUPM)
<b>12</b>	Performance evaluation of	Baseer, MA	Univ Pretoria, Dept	Renewable	Feb 2016	<b>3.404</b>	KFUPM

	cup-anemometers and wind speed characteristics analysis	<p>Meyer, JP</p> <p>Rehman, S</p> <p>Alam, MM</p> <p>Al-Hadhrami, LM</p> <p>Lashin, A</p>	<p>Mech &amp; Aeronaut Engn, ZA-0002 Pretoria, South Africa</p> <p>Jubail Ind Coll, Dept Mech &amp; Mfg Engn Technol, Jubail Ind City, Saudi Arabia</p> <p>King Fahd Univ Petr &amp; Minerals, Res Inst, Engn Res Ctr, Dhahran 31261, Saudi Arabia</p> <p>Harbin Inst Technol, Shenzhen Grad Sch, Shenzhen, Peoples R China</p> <p>King Saud Univ, Coll Engn, Petr &amp; Nat Gas Engn Dept, Riyadh 11421, Saudi Arabia</p>	Energy			
13	A New Approach for the Approximations of Solutions to a Common Fixed Point Problem in Metric Fixed Point Theory	<p>Altun, I</p> <p>Al Arifi, N</p> <p>Jleli, M</p> <p>Lashin, A</p> <p>Samet, B</p>	<p>King Saud Univ, Coll Sci, Dept Geol &amp; Geophys, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Coll Sci, Dept Math, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, Petr &amp; Nat Gas</p>	Journal Of Function Spaces	2016	<b>0.426</b>	N/A

			Engn Dept, Riyadh 11421, Saudi Arabia				
14	Enhancing the oil recovery of heterogeneous reservoirs underlaid by tarmat layer	Alfayfi, A Elmahdy, O Amao, AM	King Saud Univ, Petr & Nat Gas Engn Dept, Box 800, Riyadh 11421, Saudi Arabia	Petroleum Science and Technology	2016	0.418	NPST 08- ENE402-2
15	Petrophysical Evaluation of the Tensleep Sandstone Formation Using Well Logs and Limited Core Data at Teapot Dome, Powder River Basin, Wyoming, USA	Jafri, MK Lashin, A Ibrahim, E Naeem, M	King Saud Univ, Coll Sci, Dept Geol & Geophys, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Jan 2016	0.728	KSU RGP-1436- 08
16	Development of surfactant based electrochemical sensor for the trace level detection of mercury	Zahid, A Lashin, A Rana, UA Al-Arifi, N Ullah, I Dionysiouf, DD Qureshi, R Waseem, A Kraatz, HB Shah, A	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan  King Saud Univ, Coll Engn, Petr & Gas Engn Dept, POB 800, Riyadh 11421, Saudi Arabia  King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Electrochimi ca Acta	Feb 2016	4.803	KSU RGP-1436- 08

			<p>King Saud Univ, Coll Sci, Dept Geol &amp; Geophys, POB 2455, Riyadh 11451, Saudi Arabia</p> <p>Univ Cincinnati, Environm Engn &amp; Sci Program, OH 45221 USA</p>				
17	pH and Temperature Responsive Electrooxidation and Antioxidant Activity of Indole-3-Carbaldehyde	<p>Subhan, H</p> <p>Ahmad, K</p> <p>Lashin, A</p> <p>Rana, UA</p> <p>Abbasi, R</p> <p>Hussain, H</p> <p>Mahmood, A</p> <p>Qureshi, R</p> <p>Kraatz, HB</p> <p>Shah, A</p>	<p>Quaid I Azam Univ, Islamabad 45320, Pakistan</p> <p>King Saud Univ, Coll Engn, Petr &amp; Gas Engn Dept, Riyadh 11421, Saudi Arabia</p> <p>King Saud Univ, Coll Engn, SET, Riyadh 11421, Saudi Arabia</p> <p>Inst Biomed &amp; Genet Engn, Islamabad 44000, Pakistan</p> <p>Univ Nizwa, Mauz 616, Nizwa, Oman</p> <p>Univ Toronto Scarborough, ON M1C 1A4, Canada</p>	Journal of The Electrochemical Society	2016	<b>3.014</b>	Quaid-i-Azam University & KSU DSR IRG14-36
18	pH and Temperature Responsive Electrooxidation of Thiazole Derivatives and	<p>Amjad, U</p> <p>Lashin, A</p>	<p>Quaid I Azam Univ, Dept Chem, Islamabad 45320,</p>	Journal of The Electrochemi	2016	<b>3.014</b>	KSU DSR IRG14-36



	<p>Preliminary Screening of Their Antioxidant Activity</p>	<p>Abbasi, R  Rana, UA  Al-Arifi, N  Khan, GS  Ali, S  Kraatz, HB  Shah, A</p>	<p>Pakistan  King Saud Univ, Coll  Engn, Petr &amp; Gas  Engn Dept, Riyadh  11421, Saudi Arabia    King Saud  Univ, Sustainable  Energy Technol Ctr,  Riyadh , Saudi Arabia    King Saud Univ, Coll  Sci, Dept Geol &amp;  Geophys, Riyadh  11451, Saudi Arabia    Shaheed Benazir  Bhutto Univ, Dir  Upper 1800, Kpk,  Pakistan</p>	<p>cal Society</p>			
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**Sustainable Energy Technology Centre**

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	Grant Number if funded by KSU or KACST
1	Controlling the electronic properties of Gd: MoS <sub>2</sub> monolayer with perpendicular electric field	Majid, A Ullah, A Iqbal, T Rana, UA Khan, SUD Yoshiya, M	Univ Gujrat, Dept Phys, Gujrat, Pakistan  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Electroceramics	Dec 2016	1.263	KSU RGP-1436-18
2	A hyperaccumulation pathway to three-dimensional hierarchical porous nanocomposites for highly robust high-power electrodes	Zhu, J Shan, Y Wang, T Sun, HT Zhao, ZP Mei, L Fan, Z Xu, Z Shakir, I Huang, Y Lu, BG Duan, XF	Sch Phys & Elect, Changsha, Hunan, Peoples R China  Univ Calif Los Angeles, Dept Chem & Biochem, Los Angeles, CA, USA  Inst Bot Jiangsu Prov, Nanjing, Jiangsu, Peoples R China  Chinese Acad Sci, Nanjing, Jiangsu, Peoples R China  Univ Calif Los	Nature Communications	Nov 2016	11.329	KSU RGP-1436-25 & National Natural Science Foundation of China

			<p>Angeles, Dept Mat Sci &amp; Engn, Los Angeles, CA 90095 USA</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia</p> <p>Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA</p>				
3	Thermal hydraulic analysis of China fusion engineering test reactor during thermal quenching by comparative approach of Relap5 and THEATRe codes	<p>Khan, SUD</p> <p>Song, YT</p> <p>Khan, SUD</p>	<p>King Saud Univ, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia</p> <p>Chinese Acad Sci, Inst Plasma Phys, Hefei, Anhui, Peoples R China</p> <p>COMSATS Inst Informat Technol, Dept Math, Attock Campus, Attock, Pakistan</p>	Modern Physics Letters B	Nov 2016	0.547	KSU RGP-255 & China N.S.M.C. Fusion Science Program
4	Facile Synthesis of Mn-Doped CdTe Nanoparticles: Structural and Magnetic Properties	<p>Majid, A</p> <p>Tanveer, M</p> <p>Rana, UA</p>	<p>Univ Gujrat, Dept Phys, Gujrat, Pakistan</p> <p>Univ Punjab, Dept Phys, Lahore, Pakistan</p>	Journal of Superconductivity and Novel	Oct 2016	1.100	KSU RGP-1436-18 &

		Khan, SUD Kousar, S	King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Magnetism			National Science Foundation
5	Pushing the Performance Limit of Sub-100 nm Molybdenum Disulfide Transistors	Liu, Y Guo, J Wu, YC Zhu, EB Weiss, NO He, QY Wu, H Cheng, HC Xu, Y Shakir, I Huang, Y Duan, X	Univ Calif Los Angeles, Dept Mat Sci & Engr, Los Angeles, CA 90095 USA  King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia  Univ Calif Los Angeles, Calif Nanosyst Inst, Los Angeles, CA 90095 USA	Nano Letters	Oct 2016	<b>13.779</b>	RGP-1436- 25 & National Science Foundation, Korea
6	A computational study of magnetic exchange interactions of 3d and 4f electrons in Ti-Ce co-doped AlN	Majid, A Azmat, M Rana, UA Khan, SUD Alzahrani, E	Univ Gujrat, Dept Phys, Gujrat, Pakistan  King Saud Univ, Coll Engr, Sustainable Energy Technol Ctr, Riyadh, Saudi Arabia  Taif Univ, Dept Chem, Fac Sci, At	Materials Chemistry and Physics	Aug 2016	<b>2.101</b>	KSU RGP-1436- 18

			Taif 888, Saudi Arabia				
7	Role of nitrogen vacancies in cerium doped aluminum nitride	Majid, A Asghar, F Rana, UA Khan, SUD Yoshiya, M Hussain, F Ahmad, I	Univ Gujrat, Dept Phys, Gujrat, Pakistan  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia  Osaka Univ, Dept Adapt Machine Syst, Osaka, Japan  Bahauddin Zakarya Univ, Dept Phys, Multan, Pakistan  Univ Gujrat, Dept Math, Gujrat, Pakistan	Journal of Magnetism and Magnetic Materials	Aug 2016	<b>2.357</b>	KSU RGP-1436-18
8	Synthesis, antioxidant, enzyme inhibition and DNA binding studies of novel N-benzylated derivatives of sulfonamide	Abbas, A Murtaza, S Tahir, MN Shamim, S Sirajuddin, M Rana, UA Naseem, K Rafique, H	Univ Punjab, Inst Chem, Lahore, Pakistan  Univ Gujrat, Fac Sci, Dept Chem, Gujrat 50700, Pakistan  Univ Sargodha, Dept Phys, Sargodha, Pakistan	Journal of Molecular Structure	Aug 2016	<b>1.780</b>	KSU RGP-1436-18

			<p>Univ Sci &amp; Technol, Dept Chem, Bannu, Kpk, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>				
9	Effect of gamma rays on nanostructured TiO <sub>2</sub> thin film synthesized with sol gel method	<p>Farooq, WA Khan, SD Ali, SM Aslam, M</p>	<p>King Saud Univ, Coll Sci, Dept Phys &amp; Astron, Riyadh 11451, Saudi Arabia</p> <p>King Saud Univ, Sustainable Energy Technol Ctr, Riyadh 11451, Saudi Arabia</p>	Journal of Optoelectronics and Advanced Materials	Jul 2016	<b>0.383</b>	KSU, DSR CoE, Research, Center
10	Comparative Studies on MG49-LiClO <sub>4</sub> and MG49-TiO <sub>2</sub> -SiO <sub>2</sub> -LiClO <sub>4</sub> Polymer Electrolytes	<p>Kang, OL Ahmad, A Hassan, NH Rana, UA Migliaresi, C</p>	<p>Univ Kebangsaan Malaysia, Fac Sci &amp; Technol, Bangi 43600, Selangor, Malaysia</p> <p>King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>	International Journal of Electrochemical Science	June 2016	<b>1.692</b>	NND/NM (2)/TD11-046

			Univ Trento, Biotech Res Ctr, Via Regole Mattarello, Trento, Italy				
<b>11</b>	High-Current-Density Vertical-Tunneling Transistors from Graphene/Highly Doped Silicon Heterostructures	Liu, Y Sheng, JM Wu, H He, QY Cheng, HC Shakir, MI Huang, Y Duan, XF	Univ Calif Los Angeles, Dept Mat Sci & Engn, Los Angeles, CA 90095 USA  Univ Calif Los Angeles, Dept Chem & Biochem, Los Angeles, CA, USA  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Advanced Materials	June 2016	<b>18.960</b>	N00014-15-1-2368
<b>12</b>	Micelles as Soil and Water Decontamination Agents	Shah, A Shahzad, S Munir, A Nadagouda, MN Khan, GS Shams, DF Dionysiou, DD Rana, UA	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan  Wright State Univ, Dept Mech & Mat Engn, Dayton, OH 45324 USA  Shaheed Benazir Bhutto Univ, Dept Chem, Dir Upper 18000, Khyber	Chemical Reviews	May 2016	<b>37.369</b>	University of Cincinnati through



			<p>Pakhtunk, Pakistan</p> <p>Abdul Wall Khan Univ Mardan, Dept Environm Sci, Pakistan</p> <p>Univ Cincinnati, Dept Biomed Chem &amp; Environm Engn, Cincinnati, OH 45221 USA</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p>				
13	A density functional theory study of electronic properties of substitutional alloying of monolayer MoS <sub>2</sub> and CeS <sub>2</sub> surface models	<p>Majid, A</p> <p>Ghaffar, Z</p> <p>Rana, UA</p> <p>Khan, SUD</p> <p>Yoshiya, M</p>	<p>Univ Gujrat, Dept Phys, Gujrat, Pakistan</p> <p>King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia</p> <p>Osaka Univ, Dept Adapt Machine Syst, Osaka, Japan</p>	Computational and Theoretical Chemistry	May 2016	1.403	KSU RGP-1436-18
14	Biological and Docking Studies of Sulfonamide Derivatives of 4-Aminophenazone	<p>Akhtar, MS</p> <p>Ismail, A</p> <p>Murtaza, S</p>	<p>Univ Sargodha, Fac Pharm, Dept Pharmacol, Sargodha,</p>	Journal of The Chemical Society of	Apr 2016		KSU RGP-1436-18

		Tahir, MN Shamim, S Rana, UA	Pakistan  Univ Gujrat, Inst Nat Sci, Dept Chem, Gujrat, Pakistan  Univ Sargodha, Dept Phys, Sargodha, Pakistan  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Pakistan			
15	Rational synthesis of carbon shell coated polyaniline/MoS2 monolayer composites for high-performance supercapacitors	Yang, C Chen, ZX Shakir, I Xu, YX Lu, HB	Fudan Univ, Collaborat Innovat Ctr Polymers & Polymer Composi, Peoples R China  King Saud Univ, Coll Engn, SET Ctr, POB 800, Riyadh 11421, Saudi Arabia	Nano Research	Apr 2016	<b>8.893</b>	Fudan University & National Basic Research Program of China & KSU RGP -1436- 25
16	Theoretical investigation of plasma dynamical behavior and halo current analysis	Khan, Shahab Ud-Din Song, YT Khan, SUD	Chinese Acad Sci, Inst Plasma Phys, POB 1126, Hefei 230031, Peoples R China	International Journal of Energy Research	Mar 2016	<b>2.529</b>	China National Special Program

			King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia				& KSU RGP-VPP-255
17	Development of theoretical model for 3D plasma energy behavior and characteristics	Khan, Shahab Ud-Din; Song, YT Liu, XF Khan, SUD	Chinese Acad Sci, Inst Plasma Phys, POB 1126, Hefei 230031, Peoples R China  King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	International Journal of Energy Research	Mar 2016	2.529	China National Special Program & KSU RGP-VPP-255
18	Synthesis, biological investigation, calf thymus DNA binding and docking studies of the sulfonyl hydrazides and their derivatives	Murtaza, S Shamim, S Kousar, N Tahir, MN Sirajuddin, M Rana, UA	Univ Gujrat, Dept Chem, Gujrat 50700, Pakistan  Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan  Univ Sargodha, Dept Phys, Sargodha, Pakistan  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia	Journal of Molecular Structure	Mar 2016	1.780	KSU RGP-1436-18

19	Magnetically separable and recyclable graphene-MgFe <sub>2</sub> O <sub>4</sub> nanocomposites for enhanced photocatalytic applications	Shakir, I Sarfraz, M Ali, Z Aboud, MFA Agboola, PO	King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11451, Saudi Arabia  Natl Inst Lasers & Optron, Islamabad 45650, Pakistan	Journal of Alloys and Compounds	Mar 2016	3.014	KSU RGP -1436-25
20	First order Raman scattering analysis of transition metal ions implanted GaN	Majid, A Rana, UA Shakoor, A Ahmad, N Hassan, N Khan, SUD	Univ Gujrat, Dept Phys, Hafiz Hayat Campus, Gujrat 50700, Punjab, Pakistan  King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11427, Saudi Arabia  Bahauddin Zakariya Univ, Dept Phys, Multan, Pakistan  Int Islamic Univ, Dept Phys, Spintron Lab, Islamabad, Pakistan  Hazara Univ, Dept Phys, Mansehra, Pakistan	Journal of Physics And Chemistry of Solids	Mar 2016	2.048	KSU RGP-1436-18
21	Incorporating conjugated carbonyl compounds into carbon nanomaterials as	Yang, GH Zhang, Y	Fudan Univ, Dept Macromol Sci, State Key Lab Mol Engn	Physical Chemistry Chemical	2016	4.449	Program for Professor of

	electrode materials for electrochemical energy storage	Huang, YS Shakir, MI Xu, YX	Polymers, Peoples R China King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, Riyadh 11421, Saudi Arabia	Physics			Special Appointment China
22	TiO <sub>2</sub> -SiO <sub>2</sub> -Reinforced Methylated Grafted Natural Rubber (MG49-TiO <sub>2</sub> -SiO <sub>2</sub> ) Polymer Nanocomposites: Preparation, Optimization and Characterization	Kang, OL Ahmad, A Hassan, NH Rana, UA Suait, MS Migliaresi, C	Univ Kebangsaan Malaysia, Fac Sci & Technol, Bangi 43600, Selangor, Malaysia King Saud Univ, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia Univ Kebangsaan Malaysia, Solar Energy Res Inst, Bangi, Malaysia Univ Trento, Biotech Res Ctr, Via Regole 101, I-38123 Mattarello, Italy	Polymers & Polymer Composites	2016	0.256	TD 11-046
23	Resonant Raman scattering study of V, Cr and Co ions implanted into GaN	Majid, A Zhu, JJ Rana, UA Khan, SUD	Univ Gujrat, Phys Dept, Gujrat, Pakistan Chinese Acad Sci, Inst Semicond, State Key Lab Integrated Optoelect, Beijing	RSC Advances	2016	3.289	KSU RGP-255

			100083, Peoples R China				
			King Saud Univ, Coll Engn, Sustainable Energy Technol Ctr, POB 800, Riyadh 11421, Saudi Arabia				

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No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Month & Year of Publication	ISI Web of Knowledge (JCR) Impact Factor	Grant Number if funded by KSU or KACST
1	Sonochemical Synthesis of Nanostructured ZnO/Ag Composites in an Ionic Liquid	Frag, HK El-Shamy, AM Sherif, EM El Abedin, SZ	Natl Res Ctr, Electrochem & Corros Lab, El Behoth St 33, Giza, Egypt  Natl Res Ctr, Dept Inorgan Chem, El Behoth St 33, Giza, Egypt  King Saud Univ, Coll Engn Adv Mfg Inst (CEREM), Riyadh 11421, Saudi Arabia	International Journal of Research in Physical Chemistry & Chemical Physics	Dec 2016	1.183	N/A
2	Synergic influence of MWCNTs and SiC nanoparticles on the microstructure and properties of Al <sub>2</sub> O <sub>3</sub> ceramic hybrid nanocomposites	Ahmad, I Ahmed, S Subhani, T Saeed, K Islam, M Wang, NN Zhu, YQ	King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia  Inst Space Technol, Dept Mat Sci & Engr, Composite Res Ctr, Islamabad 44000, Pakistan  King Saud Univ, Dept	Current Applied Physics	Dec 2016	2.144	KSU RG-1437- 028



			<p>Mech Engn, Coll Engn, Riyadh, Saudi Arabia</p> <p>Univ Exeter, Coll Engn Math &amp; Phys Sci, Exeter EX4 4QF, Devon, England</p>				
3	Toughness enhancement in graphene nanoplatelet/SiC reinforced Al <sub>2</sub> O <sub>3</sub> ceramic hybrid nanocomposites	<p>Ahmad, I</p> <p>Islam, M</p> <p>Subhani, T</p> <p>Zhu, YQ</p>	<p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia</p> <p>Inst Space Technol, Dept Mat Sci &amp; Engn, Composite Res Ctr, Islamabad, Pakistan</p> <p>Univ Exeter, Coll Engn Math &amp; Phys Sci, Exeter EX4 4QF, Devon, England</p>	Nanotechnology	Oct 2016	<b>3.573</b>	KSU RG-1437-028
4	Utilizing sensors networks to develop a smart and context-aware solution for people with disabilities at the workplace (design and implementation)	<p>Kbar, G</p> <p>Al-Daraiseh, A</p> <p>Mian, SH</p> <p>Abidi, MH</p>	<p>King Saud Univ, Riyadh Techno Valley, Riyadh, Saudi Arabia</p> <p>King Saud Univ, CCIS, Riyadh, Saudi Arabia</p> <p>King Saud Univ, Adv Mfg Inst, FARCAMT,</p>	International Journal of Distributed Sensor Networks	Sep 2016	<b>0.906</b>	NPST 12-ELE3220-02

			Riyadh, Saudi Arabia				
5	A University-Based Smart and Context Aware Solution for People with Disabilities (USCAS-PWD)	Kbar, G Abidi, MH Mian, SH Al-Daraiseh, AA Mansoor, W	King Saud Univ, Riyadh Techno Valley, POB 3966, Riyadh 123738383, Saudi Arabia  King Saud Univ, Adv Mfg Inst, FARCAMT CHAIR, Riyadh 11421, Saudi Arabia  King Saud Univ, Coll Comp & Informat Sci, Riyadh 11421, Saudi Arabia  Univ Dubai, Dept Elect Engn, Dubai 14143, U Arab Emirates	Computers	Sep 2016	N/A	N/A
6	An expert system for process planning of sheet metal parts produced on compound die for use in stamping industries	Salunkhe, S Panghal, D Kumar, S Hussein, HMA	SV Natl Inst Technol, Dept Mech Engn, Surat 395007, India  King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	Sadhana- Academy Proceedings in Engineering Sciences	Aug 2016	0.349	DST India SB/S3/MME R/0061/2013
7	On the machinability of die/mold D2 steel material	Hosseini, A Hussein, HM Kishawy, HA	UOIT, MRL, Fac Engn & Appl Sci, Oshawa, ON, Canada  King Saud Univ, Adv Mfg Inst, Riyadh	International Journal of Advanced Manufacturin g	July 2016	1.568	N/A

			11421, Saudi Arabia	Technology			
8	Phase transformation reaction path during sonication assisted solid state synthesis of Cu <sub>2</sub> ZnSnSe <sub>4</sub>	Wang, ZQ Yassitepe, E Islam, M Shah, SI	Univ Delaware, Dept Mat Sci & Engr, Newark, DE 19716 USA  Univ Estadual Campinas, Inst Chem, BR-13083970 Campinas, SP, Brazil  King Saud Univ, Adv Mfg Inst, Deanship Sci Res, POB 800, Riyadh 11421, Saudi Arabia	Powder Technology	July 2016	2.759	KSU RGP-VPP-283
9	On tool-workpiece interactions during machining metal matrix composites: investigation of the effect of cutting speed	Ghandehariun, A Kishawy, HA Umer, U Hussein, HM	UOIT, MRL, Fac Engr & Appl Sci, Oshawa, ON, Canada  King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	International Journal of Advanced Manufacturing Technology	June 2016	1.568	NPST 13-ADV-971-02
10	Anticorrosive properties of olive oil polyurethanamide/ZnO biocomposite coatings	Alam, M Alandis, NM Sharmin, E Zafar, F Alam, MA	King Saud Univ, Coll Sci, Res Ctr, POB 2455, Riyadh 11451, Saudi Arabia  King Saud Univ, Dept Chem, Coll Sci, POB 2455, Riyadh 11451, Saudi Arabia  Umm Al Qura Univ,	Korean Journal of Chemical Engineering	May 2016	1.408	KSU DSR

			<p>Dept Pharmaceut Chem, Coll Pharm, POB 715, Makkah Al Mukarramah 21955, Saudi Arabia</p> <p>Jamia Millia Islamia, Dept Chem, Inorgan Mat Res Lab, New Delhi 110025, India</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Engn Mat, POB 800, Riyadh 11421, Saudi Arabia</p>				
11	Antibacterial, Structural and Optical Characterization of Mechano-Chemically Prepared ZnO Nanoparticles	<p>Manzoor, U</p> <p>Siddique, S</p> <p>Ahmed, R</p> <p>Noreen, Z</p> <p>Bokhari, H</p> <p>Ahmad, I</p>	<p>King Saud Univ, Alamoudi Water Res Chair, Riyadh, Saudi Arabia</p> <p>COMSATS Inst Informat Technol, Dept Phys, CMND, Islamabad, Pakistan</p> <p>Univ Management &amp; Technol, Lahore, Pakistan</p> <p>COMSATS Inst Informat Technol, Dept Bio Sci, Islamabad, Pakistan</p> <p>King Saud Univ, AMI,</p>	Plos One	May 2016	3.057	NPST 2451

			CEREM, Riyadh, Saudi Arabia				
12	Role of electrolyte additives on in-vitro corrosion behavior of DC plasma electrolytic oxidization coatings formed on Cp-Ti	Hariprasad, S Ashfaq, M Arunnellaiappan, T Harilal, M Rameshbabu, N	Natl Inst Technol, Dept Met & Mat Engr, Tiruchchirappalli 620015, Tamil Nadu, India  King Saud Univ, Coll Engr, Adv Mfg Inst, FARCAMT Chair, Riyadh 11421, Saudi Arabia  Amal Jyothi Coll Engr, Dept Met, Kottayam 686518, Kerala, India	Surface & Coatings Technology	April 2016	2.139	DST, India SR/S3/ME/0 024/2011
13	Elemental, Morphological, and Corrosion Characterization of Different Surface States of Co-Cr Alloy for Prosthodontic Applications	Al Jabbari, YS Ntasi, A Gaintatzopoulou, M Mueller, WD Eliades, G Sherif, ESM Zinelis, S	King Saud Univ, Coll Dent, Prosthet Dent Sci Dept, Riyadh, Saudi Arabia  Univ Athens, Sch Dent, Dept Biomat, Athens 11528, Greece  Univ Sharjah, Coll Dent, Dept Gen & Specialist Dent Practice, Sharjah, U Arab Emirates  Charite, Sch Dent,	International Journal of Electrochemi cal Science	April 2016	1.692	KSU RGP- VPP-206

			<p>Dent &amp; Biomat Res Grp, D-13353 Berlin, Germany</p> <p>King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia</p>				
14	Enhanced Li- and Na-storage in Sb-Graphene nanocomposite anodes	<p>Yi, Y</p> <p>Shim, HW</p> <p>Seo, SD</p> <p>Dar, MA</p> <p>Kim, DW</p>	<p>Korea Univ, Sch Civil Environm &amp; Architectural Engr, Seoul 136713, South Korea</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engr Mat, Riyadh 11421, Saudi Arabia</p>	Materials Research Bulletin	April 2016	2.435	NRF Korea 2011-0030300
15	Fabrication of corrosion-resistant Al <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> composite coating on AA7075 via plasma electrolytic oxidation coupled with electrophoretic deposition	<p>Arunnelliappan, T</p> <p>Ashfaq, M</p> <p>Krishna, LR</p> <p>Rameshbabu, N</p>	<p>Natl Inst Technol, Dept Met &amp; Mat Engr, Tiruchchirappalli 620015, Tamil Nadu, India</p> <p>King Saud Univ, Adv Mfg Inst, Coll Engr, FARCAMT Chair, Riyadh 11421, Saudi Arabia</p> <p>Int Adv Res Ctr Powder Met &amp; New</p>	Ceramics International	April 2016	2.758	DST, India SR/S3/ME/0024/2011

			Mat ARCI, Hyderabad 500005, Andhra Pradesh, India				
16	Machining metal matrix composites: novel analytical force model	Ghandehariun, A Hussein, HM Kishawy, HA	UOIT, Fac Engn & Appl Sci, MRL, Oshawa, ON, Canada  King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	International Journal of Advanced Manufacturin g Technology	March 2016	1.568	(NSERC) Canada
17	Arrays of CZTS sensitized ZnO/ZnS and ZnO/ZnSe core/shell nanorods for liquid junction nanowire solar cells	Akram, MA Javed, S Islam, M Mujahid, M Safdar, A	Natl Univ Sci & Technol, SCME, Sect H12, Islamabad 44000, Pakistan  King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia	Solar Energy Materials and Solar Cells	March 2016	4.732	Research Center CoE, KSU
18	Thermo-mechanical responses of nanocrystalline Al-Fe alloy processed using mechanical alloying and high frequency heat induction sintering	Baig, M Ammar, HR Seikh, AH	King Saud Univ, Ctr Excellence Res Engn Mat, Adv Mfg Inst, Riyadh, Saudi Arabia  Suez Univ, Fac Petr & Min Engn, Met & Mat Engn Dept, Suez, Egypt	Materials Science and Engineering A-Structural Materials Properties Microstructu re and Processing	Feb 2016	2.647	NPST 12- NAN2635- 02
19	Reaction Time and Film Thickness Effects on Phase Formation and Optical Properties of Solution Processed Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin	Safdar, A Islam, M Akram, MA	Natl Univ Sci & Technol, SCME, Islamabad 44000, Pakistan	Journal of Materials Engineering And Performance	Feb 2016	1.094	KSU RGP-VPP- 283

	Films	Mujahid, M Khalid, Y Shah, SI	King Saud Univ, Adv Mfg Inst, Sci Res, POB 800, Riyadh 11421, Saudi Arabia  Univ Politecn Cataluna, Inst Energy Technol, Diagonal 647, E-08028 Barcelona, Spain  Univ Delaware, Dept Phys & Astron, Newark, DE 19716 USA				
20	Evaluation of titanium alloy fabricated using electron beam melting and traditional casting technique	Moiduddin, K Al-Ahmari, A Nasr, ESA Al Kindi, M Hamid, M	King Saud Univ, Adv Mfg Inst AMI, Riyadh, Saudi Arabia  King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh, Saudi Arabia  King Saud Univ, Coll Dent, Riyadh, Saudi Arabia	Biomedical Research- India	2016	0.226	KSU DSR
21	Nanoindentation Creep, Nano-Impact, and Thermal Properties of Multiwall Carbon Nanotubes-Polypropylene Nanocomposites Prepared via Melt Blending	Chafidz, A Latief, FH Samad, UA Ajbar, A Al-Masry, W	King Saud Univ, Dept Chem Engn, POB 800, Riyadh 11421, Saudi Arabia  Al Imam Mohammad Ibn Saud Islamic Univ, Dept Mech Engn, Riyadh, Saudi	Polymer- Plastics Technology and Engineering	2016	1.511	KSU RGP-VPP- 188



			<p>Arabia</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engrn Mat, Riyadh, Saudi Arabia</p>				
22	Structural, morphological and mechanical properties of niobium nitride thin films grown by ion and electron beams emanated from plasma	<p>Siddiqui, J</p> <p>Hussain, T</p> <p>Ahmad, R</p> <p>Umar, ZA</p> <p>Samad, UA</p>	<p>Govt Coll Univ, Ctr Adv Studies Phys, Lahore, Pakistan</p> <p>Quaid I Azam Univ, Natl Ctr Phys, Islamabad, Pakistan</p> <p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engrn Mat CEREM, Riyadh, Saudi Arabia</p>	Radiation Effects and Defects in Solids	2016	0.472	Pakistan (HEC)
23	Conducting polyaniline-rutile TiO <sub>2</sub> nanocomposites for the development of high-k dielectric materials	<p>Karim, MR</p> <p>Bhuiyan, MTI</p> <p>Zaman, MB</p> <p>Lee, CJ</p> <p>Lee, MS</p>	<p>King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engrn Mat, Riyadh 11421, Saudi Arabia</p> <p>Univ Western Ontario, Dept Chem &amp; Biochem Engrn, London, ON, Canada</p> <p>Yeungnam Coll Sci &amp; Technol, Sch Chem Ind, Daegu, South</p>	Soft Materials	2016	1.333	N/A

			Korea Kyungpook Natl Univ, Dept Chem, Daegu, South Korea				
24	Synthesis of chitosan based semi-IPN hydrogels using epichlorohydrine as crosslinker to study the adsorption kinetics of Rhodamine B	Al-Mubaddel, FS Aijaz, MO Haider, S Haider, A Almasry, WA Al-Fatesh, AS	King Saud Univ, Dept Chem Engn, Coll Engn, POB 800, Riyadh 11421, Saudi Arabia King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia Kyungpook Natl Univ, Sch Appl Chem Engn, Dept Polymer Sci & Engn, Taegu 702701, South Korea	Desalination and Water Treatment	2016	1.272	KSU RG-1435-078
25	A comparison study on the design of mirror and anatomy reconstruction technique in maxillofacial region	Moiduddin, K Al-Ahmari, A Nasr, ESA Mian, SH Al Kindi, M	King Saud Univ, Adv Mfg Inst, Riyadh, Saudi Arabia King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh, Saudi Arabia King Saud Univ, Coll Dent, Riyadh, Saudi Arabia	Technology and Health Care	2016	0.678	NSTIP 12- INF2685-02
26	Facile synthesis of epoxy nanocomposite coatings using	Khan, R	King Saud Univ, Dept Chem Engn, POB 800,	Journal of Coatings	Jan 2016	1.342	KSU CoE

	inorganic nanoparticles for enhanced thermo-mechanical properties: a comparative study	Azhar, MR Anis, A Alam, MA Boumaza, M Al-Zahrani, SM	Riyadh 11421, Saudi Arabia King Saud Univ, Adv Mfg Inst, CEREM, POB 800, Riyadh 11421, Saudi Arabia  Curtin Univ, Dept Chem Engn, Bentley, WA, Australia  King Saud Univ, SABIC Polymer Res Ctr SPRC, POB 800, Riyadh 11421, Saudi Arabia	Technology And Research			Research Center
27	Analysis of tool-particle interactions during cutting process of metal matrix composites	Ghandehariun, A Kishawy, HA Umer, U Hussein, HM	UOIT, Fac Engn & Appl Sci, MRL, Oshawa, ON, Canada King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Jan 2016	1.568	NPST 13-ADV-971-02
28	Catalytic growth of multi-walled carbon nanotubes using NiFe <sub>2</sub> O <sub>4</sub> nanoparticles and incorporation into epoxy matrix for enhanced mechanical properties	Javed, H Islam, M Mahmood, N Achour, A Hameed, A Khatri, N	King Saud Univ, CEREM, Adv Mfg Inst, Riyadh 11421, Saudi Arabia  Natl Univ Sci & Technol, Sch Chem & Mat Engn, Islamabad, Pakistan  CNRS, LAAS, F-31400 Toulouse,	Journal of Polymer Engineering	Jan 2016	0.0	KSU RGP-VPP-283

			France Univ Nantes, CNRS, Inst Mat Jean Rouxel IMN, F-44322 Nantes 3, France  Univ Oxford, Dept Mat, Oxford OX1 3PH, England				
<b>29</b>	Analysis and Characterization of the Role of Ni Interlayer in the Friction Welding of Titanium and 304 Austenitic Stainless Steel	Muralimohan, CH Ashfaq, M Ashiri, R Muthupandi, V Sivaprasad, K	Natl Inst Technol Tiruchirappalli, Dept Met & Mat Engn, Tiruchchirappalli 620015, Tamil Nadu, India  King Saud Univ, Adv Mfg Inst, Riyadh 11421, Saudi Arabia  Sharif Univ Technol, Dept Mat Sci & Engn, Tehran, Iran  Natl Inst Technol Tiruchirappalli, Adv Mat Proc Lab, Dept Met & Mat Engn, Tiruchchirappalli, Tamil Nadu, India	Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science	Jan 2016	<b>1.749</b>	India DNRD/05/4 003/NRB/12 6
<b>30</b>	Quantum confinement and size effects in Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films produced using solution processed ultrafine	Safdar, A Islam, M Ahmad, I	Natl Univ Sci & Technol, Sch Chem & Mat Engn, Islamabad 44000, Pakistan	Materials Science in Semiconduct or Processing	Jan 2016	<b>2.264</b>	KSU CoE Research Center

	nanoparticles	Akram, A Mujahid, M Khalid, Y Zhu, YQ	King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia  Univ Exeter, Coll Engn Math & Phys Sci, Exeter EX4 4QF, Devon, England				
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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	Grant Number if funded by KSU or KACST
1	Coordinated coalition formation in throughput-efficient cognitive radio networks	Umar, R Mesbah, W	King Saud Univ, Prince Sultan Adv Technol Res Inst, Riyadh, Saudi Arabia  King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia	Wireless Communications & Mobile Computing	Jun 2016	0.922	N/A
2	Compact size tapered slot antenna array for ultra broadband applications	Alsulaiman, S Ashraf, MA Jamil, K Shoaib, M Alshebieli, S	King Saud Univ, PSATRI, Riyadh 11421, Saudi Arabia  King Saud Univ, E Soc, KACST TIC & Photon RFTONICS, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	2016	0.545	KACST, PSATRI
3	Video on Demand Over Optical Wireless Communication Links	Siraj, M Memon, MI Khan, MS	King Saud Univ, Coll Engn, PSATRI, Riyadh 11451, Saudi Arabia.  Univ Carthage, Unite Rech Characterisat Photo Therm IPEIN, Carthage, Tunisia	Acta Physica Polonica A	Apr 2016	0.525	N/A

## **Appendix-B: Details of Granted Patents (2016)**



No	Title of Patent	Inventor Name	Affiliation (Assignee)	Patent (Publication)Number	Date of Publication	Patent office (Country)
1	Adsorbent Material, Process for its Preparation and use thereof	Mohd. A. Othman Waleed M. Zahid Ahmed E. Abasaeed	CoE King Saud University	US9393547 B2	Jul 19, 2016	USPTO
2	Supplementary Cementitious Material and Method for Disposing of Electric-Arc Furnace Dust (EAFD)	Galal Fares Rajeh Z. Al-Zaid A. M. Alhozaimy A. I. Al-Negheimish Mohd Iqbal. Khan	CoE King Saud University	US9481604 B2	Nov 1, 2016	USPTO
3	Anti-Corrosion Treatment Composition for Steel Rebar Embedded in Concrete	Raja R. Hussain A. M. Alhozaimy A. Al-Negheimish D. D. Narain Singh	CoE King Saud University	US9469769 B1	Oct 18, 2016	USPTO
4	Fluid System for Hot and Humid Climates	A. Alabdulkarem	CoE King Saud University	US9453666 B2	Sep 27, 2016	USPTO
5	Solar heating apparatus and methods	Mazen Ba-abbad Hany Al-Ansary Essam Al-Ammar	CoE King Saud University	US9441858 B2	Sep 13, 2016	USPTO
6	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	US9435118 B2	Sep 6, 2016	USPTO
7	Method of obtaining	Galal Fares	CoE	US9423326 B1	Aug 23, 2016	USPTO

	simulated pore water	Mohd. Iqbal Khan	King Saud University			
8	Apparatus for assessing durability of stressed fiber reinforced polymer (FRP) bars	Yousef A. Al-Salloum Tarek H. Almusallam Saleh H. Alsayed Husain Abbas	CoE King Saud University	US9341553 B2	May 17, 2016	USPTO
9	Strain-hardening cementitious composite	Mohammad Iqbal Khan Galal Fares Shehab E. M. Mourad Wasim Abbass	CoE King Saud University	US9399599 B1	Jul 26, 2016	USPTO
10	Desalination system	Obida M. Zeitoun Hany A. Alansary Abdullah O. Nuhait	CoE King Saud University	US9393502 B1	Jul 19, 2016	USPTO
11	High temperature solar thermal systems and methods	Sheldon M. Jeter Hany S. Al-Ansary	CoE King Saud University	US9377246 B2	Jun 28, 2016	USPTO
12	Emergency aircraft landing systems and methods	Abdullah A.A. Fadhli	CoE King Saud University	US9376218 B2	Jun 28, 2016	USPTO
13	Methods for preparing activated nano carbon and composites containing it	Saeed M. Al-Zahrani Ateeq Rahman Ilias Ali Rabeh H. Elliethy	CoE King Saud University	EP2581341 B1	May 25, 2016	EPO DPMA INPI UKIPO
14	System and method for measuring	Mohd Iqbal Khan	CoE	US9341558 B1	May 17, 2016	USPTO

	permeation properties of concrete and porous materials		King Saud University			
15	Apparatus for assessing durability of stressed fiber reinforced polymer (FRP) bars	Yousef A. Al-Salloum Tarek H. Almusallam Saleh H. Alsayed Husain Abbas	CoE King Saud University	US9341553 B2	May 17, 2016	USPTO
16	Safety device for vehicle seats	Khalid A. Alsaif	CoE King Saud University	US9327624 B1	May 3, 2016	USPTO
17	GSM/GPRS based method, system and computer programs to determine and locate high impedance faults on medium voltage distribution networks in high resistivity	Sami H. AL-Ghannam Yasin Khan	CoE King Saud University	US9310416 B2	Apr 12, 2016	USPTO
18	Multi-effects desalination system	Obida Mohd. Zeitoun Hany A. Alansary Abdullah O. Nuhait	CoE King Saud University	US9309129 B1	Apr 12, 2016	USPTO
19	Fire resistant cementitious composite and method of making the same	Mohd. Iqbal Khan Galal Fares Shehab E. M. Mourad	CoE King Saud University	US9290415 B1	Mar 22, 2016	USPTO

20	Amine grafted chitosan nanofiber, method for preparation thereof and its use in heavy metal adsorption	Sajjad Haider Y.S.AL-Zsghayer Waheed AL-Masry Fekri A. Ahmed Ali Mohd. K. Hadj-Kali	CoE King Saud University	US9289746 B2	Mar 22, 2016	USPTO
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## Team



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