



الأوراق العلمية بكلية الهندسة للعام 2014 م

ISI Publications of college of engineering - 2014



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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Message

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

I am glad to find a phenomenon improvement in publication of research papers by our faculty members in peer ISI journals. In comparison with the publication results of previous years, the percentage of ISI publications by our faculty members in quality research works has gone up. I am quite hopeful that it will further accelerate in coming days and more members will get involved in high quality works whose cutting edge research and innovation is relevant to the needs of society.

I congratulate the faculty members for achievements of publishing their research works in ISI journals of high repute. Keep up the good works as your continued achievements is appreciated and expected. I should make a special mention of the contributions of **Dr. Mohammad A. Al-EShaikh**, **Eng. Shamshad Alam and Dr. Hasan Bilani** in publishing this booklet. I appreciate their efforts.

I'm sure that through this booklet, you will enjoy reading about the achievements of our faculty.

Prof. Khalid Ibrahim Alhumaizi
Dean, College of Engineering

Introduction

As an academic community, the College of Engineering is committed to the belief that expanding our knowledge of science & engineering will enable us to live better lives and to contribute more to society. 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.

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 across the college. 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.

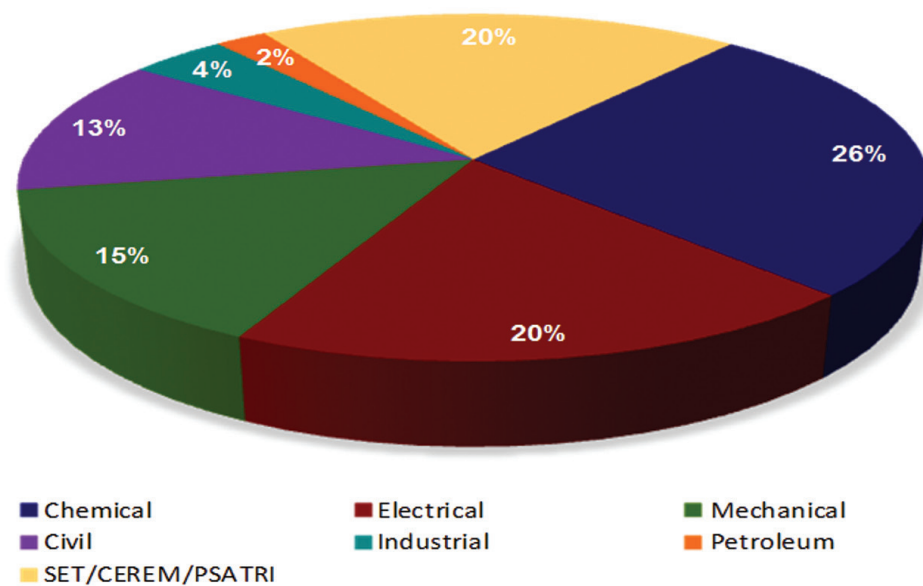
This booklet provides an opportunity to the faculty members to showcase their skills of research and innovation. The booklet reflects the contribution of faculty members of college of engineering towards publication of high quality ISI research papers in renowned journals.

The details mentioned in the booklet have been searched and thoroughly verified through SCOPUS, Google Scholar, Journal Citation Report (ISI Web of Knowledge) and Web of Science (Thomson Reuters).

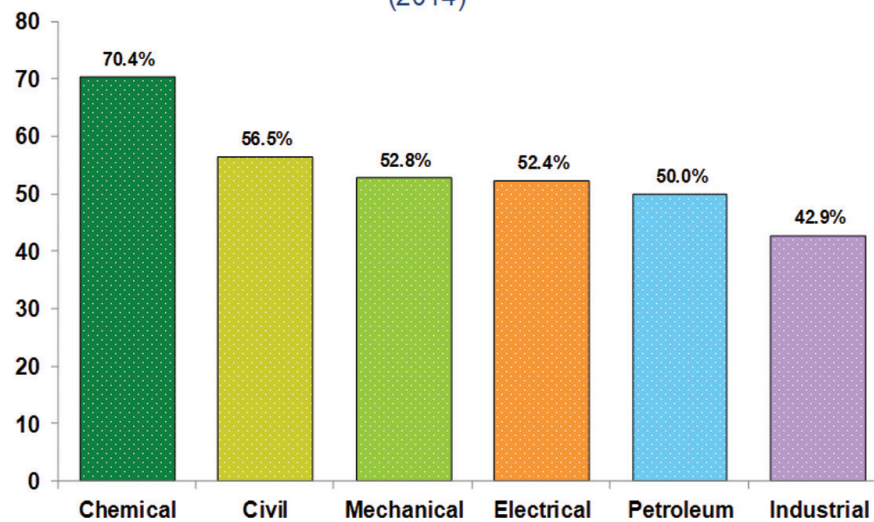
Summary of ISI Publications by the Faculty Members of CoE, KSU in 2014

DEPARTMENT	NUMBER OF ISI RESEARCH PAPERS PUBLISHED	NUMBER OF PROCEEDINGS IN ISI LISTED CONFERENCE	TOTAL
Chemical Engineering	98	03	101
Electrical Engineering	73	03	76
Mechanical Engineering	55	02	57
Civil Engineering	47	00	47
Industrial Engineering	15	02	17
Petroleum Engineering	08	00	08
SET	50	00	50
CEREM	20	00	20
PSATRI	04	00	04
TOTAL	370	10	380

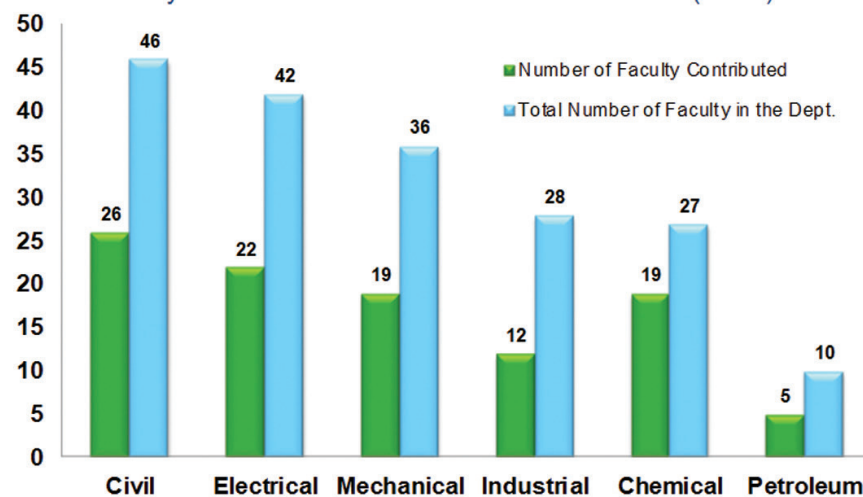
Contribution of Various Departments
in Total ISI Publication by CoE (2014)



Active Participation of Faculty Members in ISI Publications
(2014)



Total Faculty Members in the Department* Vs Number of Faculty Members Contributed in ISI Publications (2014)



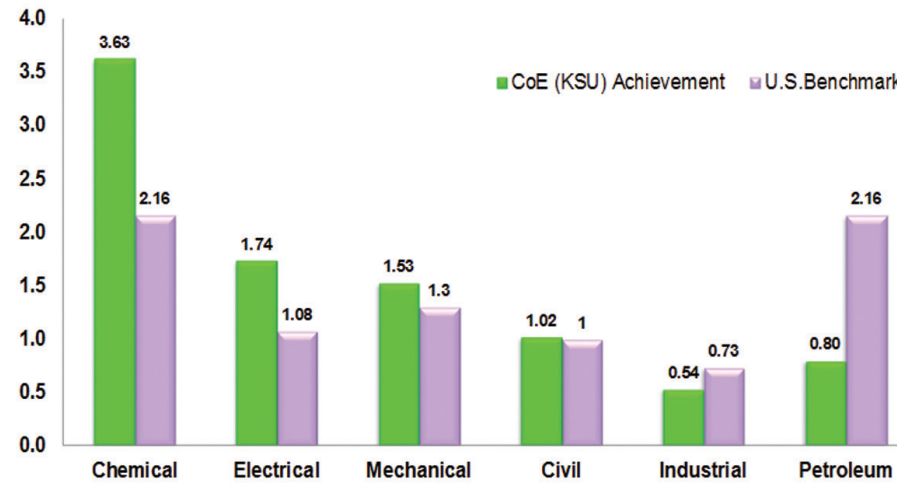
*Faculty members on deputation as fulltime consultant are excluded

Achievement by CoE, KSU Vs U.S. Benchmark

Engineering Department	ISI papers	Total Faculty	CoE (KSU) Achievement	U.S. Benchmark*	KSU/USA	Difference with US Benchmark
Chemical	98	27	3.63	2.16	1.68	+ 68%
Electrical	73	42	1.74	1.08	1.61	+ 61%
Mechanical	55	36	1.53	1.3	1.18	+ 18%
Civil	47	46	1.02	1.0	1.02	+ 02%
Industrial	15	28	0.54	0.73	0.73	- 27%
Petroleum	08	10	0.80	2.16	0.37	- 63%

*U.S. Benchmark : Average Number of ISI Paper (Every Faculty / Year) # An average of ISI Publication by Top 30 US Universities

Comparison Between CoE (KSU) & U.S. Benchmark*
ISI Publication, 2014



*U.S. Benchmark : Average number of ISI Paper (Every Faculty / Year)



CHEMICAL ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Modified pulse electrodeposition of Pt nanocatalyst as high-performance electrode for PEM-FC	Fouda-Onana, Guillet, N. A. Mayouf, A. M.	Commissariat Energie Atom & Energies Alternat, Ctr Grenoble DRT LITEN DEHT LCPEM, F-38054 Grenoble 9, France King Saud Univ, Chem Engrn Dpt, Coll Engrn, Riyadh 11421, Saudi Arabia	Journal of Power Sources	Dec 2014	5.211	
2	Comparative performance evaluation of conventional multi-effect evaporation desalination processes	Al-Mutaz, Ibrahim S. Wazeer, Irfan	King Saud Univ, Coll Engrn, Dept Chem Engrn, POB 800, Riyadh 11421, Saudi Arabia	Applied Thermal Engineering	Dec 2014	2.624	RGP-VPP-224
3	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed	Tan, Y. L. Islam, Md. Azharul Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engrn, Engrn Campus, Nibong Tebal 14300, Penang, Malaysia Univ Sains Malaysia, Sch Chem Engrn, Nibong Tebal 14300, Penang, Malaysia Khulna Univ, Forestry & Wood Technol Discipline, Khulna 9208, Bangladesh King Saud Univ, Coll Engrn, Dept Chem Engrn, Riyadh 11421, Saudi Arabia	Energy	Dec 2014	4.158	Distinguished Scientist Fellowship Program (DSFP)

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
4	Mechanical performance of woven kenaf-Kevlar hybrid composites	Yahaya, R. Sapuan, S. M. Jawaid, M. Leman, Z. Zainudin, E. S.	Univ Putra Malaysia, Dept Mech & Mfg Engr, Serdang 43400, Selangor, Malaysia Sci & Technol Res Inst Def STRIDE, Kajang, Selangor, Malaysia King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Journal of Reinforced Plastics and Composites	Dec 2014	1.188	
5	Transesterification of waste cooking palm oil by MnZr with supported alumina as a potential heterogeneous catalyst	Amani, H. Ahmad, Z. Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engr, Nibong Tebal 14300, Penang, Malaysia King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Journal of Industrial and Engineering Chemistry	Nov 2014	2.063	PRGS 1001/PJKIMIA/ 8045027

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
6	Magnetic and photocatalytic response of Ag-doped ZnFeO nano-composites for photocatalytic degradation of reactive dyes in aqueous solution	Mahmood, Asif Ramay, Shahid Mahmood Al-Zaghayer, Yousef S. Imran, Muhammad Atiq, Shahid Al-Johani, Meshal S.	King Saud Univ, Coll Engrn, Dept Chem Engrn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia King Saud Univ, Ind Catalysts Res Chair, Riyadh, Saudi Arabia Univ Punjab, Ctr Excellence Solid State Phys, Lahore, Pakistan KACST, Energy Res Inst, Riyadh 11442, Saudi Arabia	Journal of Alloys and Compounds	Nov 2014	2.726	RGP-VPP-311
7	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide	Njoku, V. O. Islam, M. Azharul Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engrn, Nibong Tebal 14300, Penang, Malaysia Imo State Univ, Dept Chem, Fac Sci, Owerri, Nigeria Khulna Univ, Forestry & Wood Technol Discipline, Khulna 9208, Bangladesh King Saud Univ, Dept Chem Engrn, Coll Engrn, Riyadh 11421, Saudi Arabia	Journal of Analytical and Applied Pyrolysis	Nov 2014	3.070	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
8	Quasi-static penetration and ballistic properties of kenaf-aramid hybrid composites	Yahaya, R. Sapuan, S. M. Jawaid, M. Leman, Z. Zainudin, E. S.	Univ Putra Malaysia, Dept Mech & Mfg Engn, Upm Serdang, Selangor, Malaysia Sci & Technol Res Inst Def STRIDE, Kajang, Selangor, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Materials & Design	Nov 2014	3.171	
9	Development of a steady-state mathematical model for MEE-TVC desalination plants	Al-Mutaz, Ibrahim S. Wazeer, Irfan	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Desalination	Oct 2014	3.960	RGP-VPP-224
10	Hydrogen production from methane dry reforming over nickel-based nanocatalysts using surfactant-assisted or polyol method	Naeem, Mohd. Awais Al-Fatesh, Ahmed Sadeq Fakeeha, Anis Hamza Abasaeed, Ahmed Elhag	King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Oct 2014	2.930	RGP-VPP-119

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
11	Study the structure and performance of thermal/plasma modified Au nanoparticle-doped TiO ₂ photocatalyst	Mahmood, Asif Ramay, Shahid M Al-Zaghayer, Yousef S Atiq, Shahid Ahmad, Iftikhar Shar, Muhammad Ali Khan, Salah Din	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Dept Phys & Astron, Riyadh 11421, Saudi Arabia King Saud Univ, Ind Catalysts Res Chair, Riyadh, Saudi Arabia Univ Punjab, Ctr Excellence Solid State Phys, Lahore, Pakistan King Saud Univ, Coll Engn, Ctr Excellence Res Engn Mat, Dept Mech Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia	Modern Physics Letters B	Oct 2014	0.687	RGP-VPP-311
12	One-pot synthesis of glycidol from glycerol and dimethyl carbonate over KF/sepiolite catalyst	Algoufi, Y. T. Akpan, U. G. Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia King Abdulaziz Univ, Fac Engn, Dept Chem & Mat Engn, Jeddah 21589, Saudi Arabia Fed Univ Technol, Dept Chem Engn, Minna, Nigeria King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Applied Catalysis A-General	Oct 2014	3.674	DSFPKSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
13	A modified orthogonal collocation method for reaction diffusion problems	Soliman, M. Al-Zeghayer, Y. Ajbar, A.	King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia British Univ Egypt, Dept Chem Engn, El Shorouk City, Egypt	Brazilian Journal of Chemical Engineering	Oct 2014	0.912	
14	Measurement of mechanical and physical properties of particle-board by hybridization of kenaf with rubberwood particles	Paridah, M. T. Juliana, A. H. El-Shekeil, Y. A. Jawaid, M. Alothman, O. Y.	Univ Putra Malaysia, Upm Serdang 43400, Selangor, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Measurement	Oct 2014	1.526	RGP-VPP-133
15	Utilization of sky fruit husk agricultural waste to produce high quality activated carbon for the herbicide bentazon adsorption	Njoku, V. O. Islam, Md. Azharul Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia Imo State Univ, Fac Sci, Dept Chem, Owerri, Nigeria Khulna Univ, Forestry & Wood Technol Discipline, Khulna 9208, Bangladesh King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Chemical Engineering Journal	Sep 2014	4.058	RGP-VPP-292

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
16	Preparation of activated carbons from rambutan (Nephelium lappaceum) peel by microwave-induced KOH activation for acid yellow 17 dye adsorption	Njoku, V. O. Foo, K. Y. Asif, M. Hameed, B. H	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia Imo State Univ, Fac Sci, Dept Chem, Owerri, Nigeria Univ Sains Malaysia, Sch Hlth Sci, Environm & Occupat Hlth Programme, Kubang Kerian 16150, Kelantan, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Chemical Engineering Journal	Aug 2014	4.058	RGP-VPP-292
17	Low-Temperature Synthesis by Autocombustion and Investigation of Structural and Magnetic Properties of Mn _{0.5} Cu _{0.5} -xNi _x Fe ₂ O ₄ Nanocrystallites	Ramay, Shahid M. Siddiqi, Saadat A. Atiq, Shahid Saleem, Murtaza Mahmood, Asif Naseem, Shahzad	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia COMSATS Inst Informat Technol, IRCBM, Lahore, Pakistan Univ Punjab, Ctr Excellence Solid State Phys, Lahore 54590, Pakistan	IEEE Transactions on Magnetism	Aug 2014	1.213	RGP-VPP-311

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
18	A Review on Potentiality of Nano Filler/Natural Fiber Filled Polymer Hybrid Composites	Saba, Naheed Tahir, Paridah Md Jawaid, Mohammad	Univ Putra Malaysia, Dept Biocomposite Technol, Inst Trop Forestry & Forest Prod INTROP, Serdang 43400, Selangor, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Polymers	Aug 2014	2.505	
19	Ru-C-ZnO Composite Catalysts for the Synthesis of Methyl Isobutyl Ketone via Single Step Gas Phase Acetone Self-Condensation	Bagabas, Abdulaziz A. Mokhtar, Mohamed Akhmedov, Vagif M. Narasimharao, Katabathini. Basahel, Sulaiman N. Al-Rabiah, Abdulrahman	King Abdulaziz City Sci & Technol, Petrochem & Refining Ctr, Petrochem Res Inst, Riyadh 11442, Saudi Arabia King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah , Saudi Arabia Baku State Univ, Dept Chem, Baku, Azerbaijan King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11451, Saudi Arabia	Catalysis letters	Jul 2014	2.291	KACST29-280

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
20	Effect of Incremental Curing Agent Additions on Thermal Degradation of Polydimethylsiloxane in Air: A Kinetic Study	Faisal, M. Falaq Muhd M. H. N. M. Ekramul Deshannavar, U. B. EL-Harbawi, Mohanad	Univ Teknol MARA, Fac Chem Engn, Shah Alam 40450, Selangor, Malaysia Univ Malaya, Fac Sci, Dept Chem, Kuala Lumpur 50603, Malaysia KLE Dr MS Shsehsgiri Coll Engn & Technol, Dept Chem Engn, Udyambag, Belgaum, India King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Asian Journal of Chemistry	Jul 2014	0.355	RGP-VPP-303
21	Fe-modified local clay as effective and reusable heterogeneous photo-Fenton catalyst for the decolorization of Acid Green 25	Azmi, N. H. M. Ayodele, O. B. Vadivelu, V. M. Asif, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia Univ Malaya, Dept Chem Engn, Kuala Lumpur, Malaysia King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Journal of the Taiwan Institute of Chemical Engineers	Jul 2014	2.637	RGP-VPP-292

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
22	Effect of coir fiber loading on mechanical and morphological properties of oil palm fibers reinforced polypropylene composites	Zainudin, E. S. Yan, Lim H. Haniffah, W. H. Jawaid, M. Alothman, Othman Y.	Univ Putra Malaysia, Fac Engr, Upm Serdang 43400, Selangor, Malaysia Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTRO, Upm Serdang 43400 King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia Selangor, Malaysia	Polymer Composites	Jul 2014	1.455	RGP-VPP-133
23	Activities of Ni-based nano catalysts for CO ₂ -CH ₄ reforming prepared by polyol process	Naeem, Mohd. Awais Al-Fatesh, Ahmed Sadeq Abasaeed, Ahmed Elhag Fakeeha, Anis Hamza	King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Fuel Processing Technology	Jun 2014	3.019	RGP-VPP-119
24	A review on electrically conductive polypropylene and polyethylene	Gulrez, Syed K. H. Mohsin, M. E. Ali Shaikh, Hamid Anis, Arfat Pulose, Anesh Manjaly Yadav, Mukesh K. Qua, Eng Hau P. Al-Zahrani, S. M.	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engr, Ctr Excellence Res Engr Mat CEREM, Riyadh 11421, Saudi Arabia Natl Ind Co TASNEE, NI- PRAS, R&D Ctr, Al Jubail Ind City, Saudi Arabia	Polymer Composites	May 2014	1.455	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
25	First-principles study of electronic, optical and thermoelectric properties in cubic perovskite materials AgMO ₃ (M = V, Nb, Ta)	Mahmood, Asif Ramay, Shahid M. Rafique, Hafiz Muhd. Al-Zaghayer, Yousef Khan, Salah Ud-Din	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia Univ Punjab, Dept Phys, Lahore, Pakistan King Saud Univ, Riyadh 11421, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia	Modern Physics Letters B	Apr 2014	0.687	RGP-VPP-311
26	Influence of Natural and Accelerated Weathering on the Mechanical Properties of Low-Density Polyethylene Films	Tuasikal, Muhd. Abduh Alothman, Othman Y. Luqman, Mohammad Al-Zahrani, S. M. Jawaid, M.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia ASharqiyah Univ, Coll Appl Sci, Ibra, Oman King Saud Univ, SPRC, Riyadh, Saudi Arabia	International Journal of Polymer Analysis and Characterization	Apr 2014	1.487	CEREM-KSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
27	Reforming of Methane by CO ₂ over Bimetallic Ni-Mn/gamma-Al ₂ O ₃ Catalyst	Fakeeha, Anis Hamza Naeenn, Muhd Awais Khan, Wasim Ullah Abasaheed, Ahmed Elhag Al-Fatesh, Ahmed Sadeq	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Chinese Journal of Chemical Physics	Apr 2014	0.720	RGP-VPP-119
28	Effect of Nano-support and Type of Active Metal on Reforming of CH ₄ with CO ₂	Al-Fatesh, Ahmed Sadeq Naeem, Muhd. Awais Khan, Wasim Ullah Abasaheed, Ahmed Elhag Fakeeha, Anis Hamza	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of The Chinese Chemical Society	Apr 2014	0.856	RGP-VPP-119
29	Investigation of Multistage Circulating Fast Fluidized Bed Membrane Reformers for Production of Ultraclean Hydrogen and Syn-gas	Abashar, Mohamed E. E. Elnashaie, Said S. E. H.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Univ Putra Malaysia, Dept Chem & Environm Engn, Serdang 43400, Selangor, Malaysia	Industrial & Engineering Chemistry Research	Mar 2014	2.235	DSR-COE
30	Production of fructose from highly concentrated date extracts using <i>Saccharomyces cerevisiae</i>	Putra, Meilana Dharma Abasaheed, A. E. Al-Zahrani, S. M. Gaily, M. H. Suliman, A. K. Zeinelabdeen, M. A. Atiyeh, H. K.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Oklahoma State Univ, Stillwater, OK 74078 USA	Biotechnology letters	Mar 2014	1.736	DSR-COE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
31	Syngas production via CO2 reforming of methane using Co-Sr-Al catalyst	Fakeeha, Anis Hamza Naeem, Muhd. Awais Khan, Wasim Ullah Al-Fatesh, Ahmed Sadeq	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Industrial and Engineering Chemistry	Mar 2014	2.063	RGP-VPP-119
32	Epoxidized natural rubber toughened polyamide 6/organically modified montmorillonite nanocomposites	Balakrishnan, H. Nematzadeh, Navid Wahit, Mat Uzir Hassan, Azman Imran, Muhammad	UTM, Fac Chem Engn, Dept Polymer Engn, Enhanced Polymer Res Grp, Johor Baharu, Malaysia King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh, Saudi Arabia	Journal of Thermoplastic Composite Materials	Mar 2014	1.134	
33	Electrospun oxime-grafted-polyacrylonitrile nanofiber membrane and its application to the adsorption of dyes	Haider, Sajjad Binagag, Faez F. Haider, Adnan Al-Masry, Waheed A.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Kyungpook Natl Univ, Dept Polymer Sci & Engn, Taegu 702701, South Korea	Journal of Polymer Research	Feb 2014	1.897	NPST10 NAN1017-2

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
34	Spatio-temporal analysis of groundwater regime within Rawalpindi Municipal Jurisdiction, Pakistan	Abbas, Iftikhar Rafique, H. M. Sohl, Muhammad A. Falak, Attia Mahmood, Shahid Imran, Muhammad Al-Zaghayer, Yousef Al-Awadi, Adulrehman Mahmood, Asif	United Nations Dev Programme, Islamabad, Pakistan Univ Punjab, Dept Phys, Sch Phys Sci, Lahore 54590, Pakistan Natl Engrg Serv Pakistan Pvt Ltd, Water Resource Div, Lahore, Pakistan King Saud Univ, Coll Engrg, Dept Chem Engrg, Riyadh 11421, Saudi Arabia	Desalination and Water Treatment	Feb 2014	0.987	RGP-VPP-106
35	Techno-economic feasibility of wind-powered reverse osmosis brackish water desalination systems in southern Algeria	Triki, Z. Bouaziz, M. N. Boumaza, M.	Univ Medea, Dept Proc & Environm Engrg, Lab Biomat & Transport Phenomena LBMP, Medea, Algeria King Saud Univ, Coll Engrg, Dept Chem Engrg, Riyadh, Saudi Arabia	Desalination and Water Treatment	Feb 2014	0.987	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
36	Prospects of applying ionic liquids and deep eutectic solvents for renewable energy storage by means of redox flow batteries	Chakrabarti, M. Harun Mjalli, Farouq Sabri AiNashef, Inas Muen Hashim, Mohd. Ali Hussain, Mohd. Azlan Bahadori, Laleh Low, Chee Tong John	Univ Malaya, Fac Engn, Dept Chem Engn, Kuala Lumpur 50603, Malaysia Univ London Imperial Coll Sci Technol & Med, Energy Futures Lab, London SW7 2AZ, England Sultan Qaboos Univ, Petr & Chem Engn Dept, Muscat, Oman King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Univ Southampton, Fac Engn & Environm, Energy Technol Res Grp, Hants, England	Renewable & Sustainable Energy Reviews	Feb 2014	5.510	
37	Chitosan-clay composite as highly effective and low-cost adsorbent for batch and fixed-bed adsorption of methylene blue	Auta, M. Hameed, B. H.	Univ Sains Malaysia, Sch Chem Engn, Nibong Tebal 14300, Penang, Malaysia King Saud Univ, Dept Chem Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Chemical Engineering Journal	Feb 2014	4.058	
38	Epoxidized natural rubber-toughened polypropylene/organically modified montmorillonite nanocomposites	Balakrishnan, H. Attaran, Seyed Ahmad Imran, Muhammad Hassan, Azman Wahit, Mat Uzir	UTM, Enhanced Polymer Res Grp, Dept Polymer Engn, Skudai 81310, Johor, Malaysia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Thermoplastic Composite Materials	Feb 2014	1.134	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
39	Enhancing hydrogen production by dry reforming process with strontium promoter	Ibrahim, Ahmed A. Fakeeha, Anis H. Al-Fatesh, Ahmed S.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Jan 2014	2.938	DSR-COE
40	Investigation of Structural, Magnetic, and Optical Properties of ZnO Codoped with Co and Cd	Mustafa, Lubna Anjum, Safia Waseem, Salma Zia, Rehana Choudhry, Rameesha Ramay, Shahid M. Mahmood, Asif Khan, Salah Ud-Din	Women Univ, Lahore Coll, Dept Phys, Lahore 54600, Pakistan King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Univ Punjab, Ctr Excellence Solid State Phys, Lahore 54590, Pakistan King Saud Univ, (SET) Ctr, Riyadh 11421, Saudi Arabia	Advances in Condensed Matter Physics	2014	1.013	RGP-VPP-311

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
41	Appraisal of drinking water quality of tehsil Jampur, Pakistan	Rafique, H. M. Abbas, Iftikhar Sohl, Muhammad A. Shehzadi, Ramoona Ramay, Shahid Mahmood Imran, Muhammad Al-Zaghayer, Yousef Mahmood, Asif Sohl, Maryia N.	Univ Punjab, Sch Phys Sci, Dept Phys, Lahore, Pakistan United Nations Dev Programme, Islamabad, Pakistan Natl Engrg Serv Pakistan Pvt Ltd, Water Resource Div, Lahore, Pakistan King Saud Univ, Coll Engrg, Dept Chem Engrg, Riyadh 11421, Saudi Arabia Sharif Med & Dent Coll, Dept Dent, Lahore, Pakistan	Desalination and Water Treatment	2014	0.987	RGP-VPP-106
42	Enhanced Magnetization of Sol-Gel Synthesized Pb-Doped Strontium Hexaferrites Nanocrystallites at Low Temperature	Ramay, Shahid M. Atiq, Shahid Saleem, Murtaza Mahmood, Asif Siddiqi, Saadat A. Naseem, Shahzad Al-Zeghayer, Yousef Alzayed, Nasser S. Shahabuddin, Mohammed	King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia Univ Punjab, Ctr Excellence Solid State Phys, Lahore 54590, Pakistan Lahore Univ Management Sci, Sch Sci & Engrg, Dept Phys, Lahore 54792, Pakistan King Saud Univ, Coll Engrg, Dept Chem Engrg, Riyadh 11421, Saudi Arabia COMSATS Inst Informat Technol, Interdisciplinary Res Ctr Biomed Mat, Lahore 54600, Pakistan King Saud Univ, Ind Catalysts Res Chair, Riyadh 11421, Saudi Arabia	Journal of Nanomaterials	2014	1.611	RGP-VPP-106

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
43	Separation of BTEX aromatics from n-octane using a (tetrabutylammonium bromide plus sulfolane) deep eutectic solvent - experiments and COSMO-RS prediction	Mulyono, Sarwono Hizaddin, Haneef F. Alnashef, Inas M. Hashim, Mohd A. Fakeeha, Anis H. Hadj-Kali, Mohamed K.	King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia Univ Malaya, Fac Engr, Dept Chem Engr, Kuala Lumpur 50603, Malaysia	RSC Advances	2014	3.788	RGP-VPP-108
44	Role of La ₂ O ₃ as Promoter and Support in Ni/gamma-Al ₂ O ₃ Catalysts for Dry Reforming of Methane	Al-Fatesh, Ahmed S. Naeem, Muhammad A. Fakeeha, Anis H. Abasaheed, Ahmed E.	King Saud Univ, Coll Engr, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Chinese Journal of Chemical Engineering	Jan 2014	0.872	RGP-VPP119
45	Developments in Eu ²⁺ -Doped Strontium Aluminate and Polymer/Strontium Aluminate Composite	Anesh, M. P. Gulrez, Syed K. H. Anis, A. Shaikh, H. Mohsin, M. E. Ali Al-Zahrani, S. M.	King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia King Saud Univ, Ctr Excellence Res Engr Mat, Riyadh, Saudi Arabia	Advances in Polymer Technology	Dec 2014	2.147	NPST-13-ADV1044-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
46	FTIR, Electrochemical Impedance and Iontophoretic Delivery Analysis of Guar Gum and Sesame Oil Based Bigels	Singh, Vinay K. Anis, Arfat Al-Zahrani, S. M. Pradhan, Dillip K. Pal, Kunal	Natl Inst Technol, Dept Biotechnol & Med Engrn, Rourkela 769008, Odisha, India King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia Natl Inst Technol, Dept Phys, Rourkela 769008, Odisha, India	International Journal of Electrochemical Science	Oct 2014	1.956	RGP-VPP-095
47	Molecular and Electrochemical Impedance Spectroscopic Characterization of the Carbopol Based Bigel and Its Application in Iontophoretic Delivery of Antimicrobials	Singh, Vinay K. Anis, Arfat Al-Zahrani, S. M. Pradhan, Dillip K. Pal, Kunal	Natl Inst Technol, Dept Biotechnol & Med Engrn, Rourkela 769008, Odisha, India King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia Natl Inst Technol, Dept Phys, Rourkela 769008, Odisha, India	International Journal of Electrochemical Science	Sep 2014	1.956	RGP-VPP-095

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
48	Thermal, creep-recovery and viscoelastic behavior of high density polyethylene/hydroxyapatite nano particles for bone substitutes: effects of gamma radiation	Alothman, Othman Y. Fouad, H. Al-Zahrani, S. M. Eshra, Ayman Al Rez, M. Fayez Ansari, S. G.	King Saud Univ, Dept Chem Engn, Fac Engn, Riyadh 11421, Saudi Arabia Saudi Elect Univ, Riyadh, Saudi Arabia King Saud Univ, Appl Med Sci Dept, Riyadh Community Coll, Riyadh, Saudi Arabia Menia Univ, Dept Biomed Engn, Fac Engn, Al Minya, Egypt Jamia Millia Islamia, Ctr Interdisciplinary Res Basic Sci, New Delhi 110025, India Helwan Univ, Dept Biomed Engn, Fac Engn, Helwan, Egypt	Biomedical Engineering online	Aug 2014	1.746	RG - 1435 -052
49	Portable and integrated solar-driven desalination system using membrane distillation for arid remote areas in Saudi Arabia	Chafidz, Achmad Al-Zahrani, Saeed Al-Otaibi, Mansour N. Hoong, Choo F. Lai, Tan F. Prabu, Manoharan	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Nanyang Technol Univ, Sch Elect & Elect Engn, Singapore 639798, Singapore Nanyang Technol Univ, Sch Mech & Aerosp Engn, Singapore 639798, Singapore Memsys Clearwater Pte Ltd, Waterhub 608576, Singapore	Desalination	Jul 2014	3.968	RGP-VPP-095

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
50	Kinetic model-based feed-forward controlled fed-batch fermentation of <i>Lactobacillus rhamnosus</i> for the production of lactic acid from Arabic date juice	Choi, Minsung Al-Zahrani, Saeed M. Lee, Sang Yup	Korea Adv Inst Sci & Technol, Metab & Biomol Engr Natl Res Lab, Dept Chem & Biomol Engr, , Taejon 305701, South Korea King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Bioprocess and Biosystems Engineering	Jun 2014	1.823	KSU
51	Polypropylene/organoclay nanocomposites prepared using a Laboratory Mixing Extruder (LME): crystallization, thermal stability and dynamic mechanical properties	Chafidz, Achmad Kaavessina, Mujtahid Al-Zahrani, Saeed Al-Otaibi, Mansour N.	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia Sebelas Maret Univ, Dept Chem Engr, Surakarta 57126, Indonesia	Journal of Polymer Research	May 2014	1.897	RGP-VPP-095
52	Multiwall carbon nanotubes filled polypropylene nanocomposites: Rheological and electrical properties	Chafidz, Achmad Kaavessina, Mujtahid Al-Zahrani, Saeed Ali, Ilias	King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia King Saud Univ, SABIC Polymer Res Ctr, Riyadh, Saudi Arabia	Polymer Engineering and Science	May 2014	1.441	DSRCOE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
53	Preparation and characterization of poly(lacticacid)/elastomer blends prepared by melt blending technique	Kaavessina, Mujtahid Ali, Ilias Elleithy, Rabeh Al-Zahrani, Saeed M.	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia King Saud Univ, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia Printpack Inc, Williamsburg, VA USA King Saud Univ, Ctr Excellence Res Engn Mat, Riyadh 11421, Saudi Arabia	Journal of Elastomers and Plastics	Apr 2014	0.714	CEREM KSU
54	Impact of intrinsic properties of foulants on membrane performance in osmotic desalination applications	Arkhangelsky, Elizabeth Lay, Susan Sulaiman Wicaksana, Filicia Al-Rabiah, Abdulrahman Al-Zahrani, Saeed M. Wang, Rong	Nanyang Technol Univ, Sch Civil & Environm Engn, Singapore 639798, Singapore Nanyang Technol Univ, Singapore Membrane Technol Ctr, Singapore 637141, Singapore Univ Auckland, Dept Chem & Mat Engn, Auckland 1142, New Zealand King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Separation and Purification Technology	Feb 2014	3.065	KSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
55	Preparation and characterization of novel carbopol based bigels for topical delivery of metronidazole for the treatment of bacterial vaginosis	Singh, Vinay K. Anis, Arfat Banerjee, Indranil Pramanik, Krishna Bhattacharya, Mrinal K. Pal, Kuna	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, Odisha, India King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia Karimganj Coll, Dept Bot & Biotechnol, Karimganj 788710, Assam, India	Materials Science & Engineering C-Materials for Biological Applications	Nov 2014	2.736	
56	Mechanical properties and delivery of drug/probiotics from starch and non-starch based novel bigels: A comparative study	Singh, Vinay K. Ramesh, Sowmya Pal, Kunal Anis, Arfat Pradhan, Dillip K. Pramanik, Krishna	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, Odisha, India Sastra Univ, Thanjavur 613401, Tamil Nadu, India King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia Natl Inst Technol, Dept Phys, Rourkela 769008, Odisha, India	Starch-Starke	Sep 2014	1.401	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
57	Olive oil based novel thermo-reversible emulsion hydrogels for controlled delivery applications	Singh, Vinay K. Ramesh, Sowmya Pal, Kunal Anis, Arfat Pradhan, Dillip K. Pramanik, Krishna	Natl Inst Technol, Dept Biotechnol & Med Engr, Rourkela 769008, Odisha, India Sastra Univ, Thanjavur 613401, Tamil Nadu, India King Saud Univ, Dept Chem Engr, SABIC Polymer Res Ctr, Riyadh 11421, Saudi Arabia Natl Inst Technol, Dept Phys, Rourkela 769008, Odisha, India	Journal of Materials Science-Materials in Medicine	Mar 2014	2.379	
58	A voltammetric biosensor based on ionic liquid/NiO nanoparticle modified carbon paste electrode for the determination of nicotinamide adenine dinucleotide (NADH)	Karimi-Maleh, Hassan Sanati, Afsaneh L. Gupta, Vinod Kumar Yoosefian, Mehdi Asif, Mohammad Bahari, Ali	Grad Univ Adv Technol, Dept Chem, Kerman, Iran Indian Inst Technol Roorkee, Dept Chem, Roorkee 247667, Uttar Pradesh, India Univ Mazandaran, Dept Solid State Phys, Babol Sar, Iran King Saud Univ, Dept Chem Engr, Riyadh, Saudi Arabia	Sensors and Actuators B-Chemical	Dec 2014	3.840	RGP-VPP-292

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
59	On the Existence of Complex Dynamics in Pure and Simple Microbial Competition in Bioreactors	Ajbar, Abdelhamid Asif, Mohamed	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Nov 2014	0.367	RGP-VPP-292
60	Determination of methyl parathion in liquid phase by nano-composite carbon paste surface biosensor and differential FFT continuous linear sweep voltammetry	Norouzi, Parviz Gupta, Vinod Kumar Asif, M. Rasoolipour, Solmaz Faridbod, Farnoush Ganjali, Mohammad Reza	Univ Tehran, Ctr Excellence Electrochem, Tehran, Iran Univ Tehran Med Sci, Biosensor Res Ctr, Endocrinol & Metab Mol Cellular Sci Inst, Tehran, Iran Indian Inst Technol Roorkee, Dept Chem, Roorkee 247667, Uttar Pradesh, India King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia RIPI, Tehran, Iran	Journal of Molecular Liquids	Oct 2014	2.083	RGP-VPP-292

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
61	Prediction of Boiling Heat Transfer Coefficients in Pool Boiling of Liquids Using Artificial Neural Network	Hakeem, M. A. Kamil, M. Asif, M.	Aligarh Muslim Univ, Dept Chem Engrn, Ali- garh 202002, Uttar Pradesh, India Aligarh Muslim Univ, Dept Petr Studies, Ali- garh 202002, Uttar Pradesh, India King Saud Univ, Dept Chem Engrn, Riyadh, Sau- di Arabia	Journal of Scientific & Industrial Research	Aug 2014	0.500 NPST 08-PET 297-02	
62	Liquid phase synthesis of pectin-cadmium sulfide nanocomposite and its photocatalytic and anti-bacterial activity	Gupta, Vinod Kumar Pathania, Deepak Asif, Mohammad Sharma, Gaurav	Ind Technol Inst, Dept Chem, Roorkee 247667, Uttar Pradesh, India Shoolini Univ, Dept Chem, Solan 173212, Himachal Pradesh, India King Saud Univ, Dept Chem Engrn, Riyadh, Sau- di Arabia	Journal of Molecular Liquids	Aug 2014	2.083	
63	An efficient analytical solution strategy for multidimensional heat conduction problems	Asif, Mohammad	King Saud Univ, Dept Chem Engrn, Riyadh, Sau- di Arabia	Heat Transfer Research	2014	0.250	KACST 08-PET 297-02
64	Bed collapse behavior of pulsed fluidized beds of nano-powder	Ali, Syed Sadiq Asif, Mohammad Ajbar, Abdelhamid	King Saud Univ, Dept Chem Engrn, Riyadh, Sau- di Arabia	Advanced Powder Technol- ogy	Jan 2014	1.642	KACST 08-PET 297-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
65	Treatment of industrial low grade palm oil via esterification reaction using sonoreactor	Hayyan, Adeeb Hashim, Mohd Ali Mirghani, Mohamed E. S. Hayyan, Maan AlNashef, Inas M	Univ Malaya, Kuala Lumpur 50603, Malaysia Int Islamic Univ Malaysia, Dept Biotechnol Engn, Fac Engn, Kuala Lumpur 50728, Malaysia King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Industrial and Engineering Chemistry	Jul 2014	2.063	10-ENV 1315-02
66	A new processing route for cleaner production of biodiesel fuel using a choline chloride based deep eutectic solvent	Hayyan, Adeeb Hashim, Mohd Ali Hayyan, Maan Mjalli, Farouq S. AlNashef, Inas M.	Univ Malaya, , Kuala Lumpur 50603, Malaysia Sultan Qaboos Univ, Petr & Chem Engn Dept, Muscat 123, Oman King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Cleaner Production	Feb 2014	3.590	NPST-10-ENV 1315-02
67	A Solid Organic Acid Catalyst for the Pretreatment of Low-Grade Crude Palm Oil and Biodiesel Production	Hayyan, Adeeb Mjalli, Farouq S. Hashim, Mohd Ali Hayyan, Maan AlNashef, Inas M. Al-Wahaibi, Talal Al-Wahaibi, Yahya M.	Univ Malaya, Kuala Lumpur, Malaysia Sultan Qaboos Univ, Dept Petr & Chem Engn, Muscat 123, Oman King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia	International Journal of Green Energy	Feb 2014	1.469	RGP-VPP-108
68	Evaluating the Performance of Deep Eutectic Solvents for Use in Extractive Denitrification of Liquid Fuels by the Conductor-like Screening Model for Real Solvents	Hizaddin, Haneef F. Ramalingam, Anantharaj Hashim, Mohd Ali Hadj-Kali, Mohd K. O.	Univ Malaya, Dept Chem Engn, Univ Malaya Ctr Ion Liquids UMCiL, Fac Engn, Kuala Lumpur 50603, Malaysia King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Journal of Chemical and Engineering Data	Nov 2014	2.045	IRG14-13

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
69	Solubility of sodium chloride in phosphonium-based deep eutectic solvents	Bagh, Fatemeh S. Ghareh Hadj-Kali, M.K. Omar Mjalli, Farouq S. Hashim, Mohd Ali AlNashef, Inas M.	Univ Malaya, Dept Chem Engn, Kuala Lumpur, Malaysia Sultan Qaboos Univ, Petr & Chem Engn Dept, Muscat, Oman King Saud Univ, Dept Chem Engn, Riyadh, Saudi Arabia	Journal of Molecular Liquids	Nov 2014	2.083	IRG14-13
70	Solubility of CO2 in deep eutectic solvents: Experiments and modelling using the Peng-Robinson equation of state	Ali, Emad Hadj-Kali, Mohamed K. Mulyono, Sarwono Alnashef, Inas Fakeeha, Anis Mjalli, Farouq Hayyan, Adeeb	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Sultan Qaboos Univ, Petr & Chem Engn Dept, Muscat 123, Oman Univ Malaya, Dept Chem Engn, Kuala Lumpur 50603, Malaysia	Chemical Engineering Research & Design	Oct 2014	2.281	RGP-VPP-108
71	A New QSPR Model for Predicting the Densities of Ionic Liquids	El-Harbawi, Mohanad Samir, Brahim Belhaouari Babaa, Moulay-Rachid Mutalib, M. I. Abdul	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Alfaisal Univ, Dept Math, Coll Sci & Gen Studies, Riyadh 11533, Saudi Arabia Nazarbayev Univ, Sch Engn, Astana 010000, Kazakhstan Univ Teknol PETRONAS, Dept Chem Engn, Tronoh, Perak, Malaysia	Arabian Journal for Science and Engineering	Sep 2014	0.367	RGP-VPP-303

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
72	Deep oxidative desulfurization of liquid fuels	Mjalli, Farouq S. Ahmed, Omar U. Al-Wahaibi, Talal Al-Wahaibi, Yahya AlNashef, Inas M.	Sultan Qaboos Univ, Petr & Chem Engr Dept, Al Khoud 123, Oman King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia	Reviews in Chemical Engineering	Aug 2014	2.833	
73	First principles study of band structure and density of states of rare earth oxytellurides R ₂ O ₂ Te (R=La, Ce, Pr and Nd)	Mahmood, Asif Ramay, Shahid M. Saeed, Y.	King Saud Univ, Coll Sci, Dept Chem Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia GC Univ Faisalabad, Dept Phys, Faisalabad 38000, Punjab, Pakistan	Optoelectronics and Advanced Materials- Rapid Communications	Jul 2014	0.449	RGP-VPP-311
74	Fractionation of Ethylene/1-Octene Copolymers by High-Temperature Thermal Gradient Interaction Chromatography	Alghyamah, Abdulaziz Soares, Joao B. P.	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia Univ Alberta, Dept Chem & Mat Engr, Edmonton, AB, Canada	Industrial & Engineering Chemistry Research	Jun 2014	2.235	KSU
75	Toxicity Assessment of Phosphonium Based Ionic Liquids Towards Female Guppy Fish	El-Harbawi, Mohanad Yusri, Yasmin S. Bt. Hossain, M. Ismail	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia Univ Teknol MARA, Fac Chem Engr, Shah Alam 40200, Selangor, Malaysia Chittagong Univ, Dept Chem, Chittagong 4331, Bangladesh	Asian Journal of Chemistry	May 2014	0.355	RGP-VPP-303

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
76	A fundamental analysis of dynamics of waste biodegradation in aerobic processes	Ajbar, AbdelHamid AlZeghayer, Youssef	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Asia-Pacific Journal of Chemical Engineering	May 2014	0.623	RGP-VPP-106
77	New Vapor-Liquid-Liquid Equilibrium Solubility Data for iso-Butane, n-Butane, n-Pentane, and n-Hexane in Alkanolamine Aqueous Solutions	Mokraoui, Salim Hadj-Kali, M. Kamel Valtz, Alain Richon, Dominique	King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Mines Paris Paris Tech, CTP, F-77305 Fontainebleau, France Univ KwaZulu Natal, Sch Chem Engn, Thermodynam Res Unit, ZA-4041 Durban, South Africa	Journal of Chemical and Engineering Data	May 2014	2.045	
78	Maleic anhydride production in a cross-flow reactor: A comparative study	Ali, Mohammad Al-Haj Al-Humaizi, Khalid	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Canadian Journal of Chemical Engineering	May 2014	1.313	SABICENG-20-429
79	Model-Based Energy Analysis of an Integrated MIDREX-Based Iron/Steel Plant	Ajbar, A. Alhumaizi, K. Soliman, M. A. Ali, E.	King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia British Univ Egypt, Dept Chem Engn, El Shorouk City, Egypt	Chemical Engineering Communications	June 2014	0.788	RGP-VPP-292

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
80	Solubility of Thiophene and Dibenzothiophene in Anhydrous FeCl ₃ - and ZnCl ₂ -Based Deep Eutectic Solvents	Gano, Zaharaddeen S. Mjalli, Farouq S. Al-Wahaibi, Talal Al-Wahaibi, Yahya AlNashef, Inas M.	Sultan Qaboos Univ, Petr & Chem Engrn Dept, Muscat 123, Oman King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia	Industrial & Engineering Chemistry Research	Apr 2014	2.235	
81	Investigating sodium sulphate as a phosphate depressant in acidic media	Al-Fariss, T. F. Arafat, Y. Abd El-Aleem, F. A. El-Midany, A. A.	King Saud Univ, Dept Chem Engrn, Phosphate & Mineral Proc Chair, Riyadh 11451, Saudi Arabia	Separation and Purification Technology	Mar 2014	3.065	Phosphate & Mineral Proc Chair KSU
82	Effect of Oil Palm and Jute Fiber Treatment on Mechanical Performance of Epoxy Hybrid Composites	Jawaid, M. Alothman, Othman Y. Paridah, M. T. Khalil, H. P. S. Abdul	Univ Putra Malaysia, Inst Trop Forestry & Forest Prod INTROP, Dept Biocomposite Technol, Serdang 43400, Selangor, Malaysia King Saud Univ, Dept Chem Engrn, Riyadh, Saudi Arabia	International Journal of Polymer Analysis and Characterization	Jan 2014	1.487	RGP-VPP-133
83	Application of the Eotvos and Guggenheim empirical rules for predicting the density and surface tension of ionic liquids analogues	Mjalli, Farouq S. Vakili-Nezhaad, G. Shahbaz, Kaveh AlNashef, Inas M.	Sultan Qaboos Univ, Petr & Chem Engrn Dept, Muscat 123, Oman Taylors Univ, Sch Engrn, Selangor 47500, Malaysia King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia	Thermochimica Acta	Jan 2014	2.105	
84	Low Solubility of Calcined Phosphate: Surface Area Reduction or Chemical Composition Change?	Al-Fariss, T. F. Abd El-Aleem, F. A. Arafat, Y. El-Nagdy, K. A. El-Midany, A. A.	King Saud Univ, Dept Chem Engrn, Phosphate & Mineral Proc Chair, Riyadh, Saudi Arabia	Particulate Science and Technology	Jan 2014	0.482	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
85	Study of Natural and Accelerated Weathering on Mechanical Properties of Antioxidants Modified Low Density Polyethylene Films for Greenhouse	Al Othman, Othman Faiz, Shan Tuasikal, Muhd. Abduh	King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia	International Journal of Polymer Science	2014	1.322	
86	Fused Imidazopyrazoles: Synthetic Strategies and Medicinal Applications	Khidre, Rizk E. Abdel-Wahab, Bakr F. Alothman, Othman Y.	Jazan Univ, Fac Sci, Dept Chem, Jazan, Saudi Arabia Shaqra Univ, Fac Sci, Dept Chem, Al Dawadmi, Saudi Arabia King Saud Univ, Dept Chem Engrn, Riyadh 11421, Saudi Arabia	Journal of Chemistry	2014	0.0 ISI Indexed	RC-COE
87	Phase Pure Synthesis and Morphology Dependent Magnetization in Mn Doped ZnO Nanostructures	Saleem, Murtaza Atiq, Shahid Ramay, Shahid M. Mahmood, Asif Siddiqi, Saadat A. Shar, Muhammad Ali	LUMS, UDHA, Lahore Cantt 54792, Pakistan Univ Punjab, Ctr Excellence Solid State Phys, Lahore, Pakistan King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Sci, Dept Chem Engrn, Riyadh 11421, Saudi Arabia COMSATS Inst Informat Technol, Lahore 54600, Pakistan King Saud Univ, CEREM, Dept Mech Engrn, Riyadh 11421, Saudi Arabia	Advances in Materials Science and Engineering	2014	0.897	RGP-VPP-311

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
88	Superparamagnetic gamma-Fe ₂ O ₃ nanoparticles as an easily recoverable catalyst for the chemical recycling of PET	Bartolome, Leian Imran, Muhammad Lee, Kyoung G. Sangalang, Arvin Ahn, Jeong Keun Kim, Do Hyun	Korea Adv Inst Sci & Technol, Dept Biomol & Chem Engn, Program BK21, Taejon 305701, South Korea King Saud Univ, Dept Chem Engn, Riyadh 11451, Saudi Arabia Univ Michigan, Dept Chem Engn, Ann Arbor, MI 48109 USA Chungnam Natl Univ, Dept Microbiol, Sch Biosci & Biotechnol, Taejon 305764, South Korea	Green Chemistry	2014	6.852	
89	Nickel-Cobalt Layered Double Hydroxide Anchored Zinc Oxide Nanowires grown on Carbon Fiber Cloth for High-Performance Flexible Pseudocapacitive Energy Storage Devices	Shakir, Imran Shahid, Muhammad Rana, Usman Ali Al Nashef, Inas M. Hussain, Rafaqat	King Saud Univ, Coll Engn, SET Ctr, Riyadh 11421, Saudi Arabia COMSATS, Inst Informat Technol CIIT, Lahore, Pakistan King Abdullah Univ Sci & Technol, Thuwal, Saudi Arabia King Saud Univ, Dept Chem Engn, Riyadh 11421, Saudi Arabia Univ Teknol Malaysia, Ibnu Sina Inst Fundamental Sci Studies, Skudai 81310, Malaysia	Electrochimica Acta	May 2014	4.086	COE-Research Center 20/434

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
90	Fabrication of Different Protective Coatings and Studying their Mechanical Properties and Corrosion Behavior in Sodium Chloride Solutions	El-Sayed M. Sherif Mohammad Asif Alam Saeed M. Al-Zahrani	King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia SABIC Polymer Research Center (SPRC), Dept Chem Engn, King Saud Univ, Riyadh 11421, Saudi Arabia	International Journal of Electrochemical Science	Dec 2014	1.956	RG 1435-015
91	Thermal, Mechanical and Electrochemical Characterization of Gelatin-based Physical Emulgels	Sai S Sagiri Vinay K Singh Sarada P Mallick Arfat Anis S.M. Al-Zahrani Dillip K Pradhan Kunal Pal	Dept. of Biotechnology & Medical Engineering, NIT, Rourkela- 769008, Odisha, India. King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Department of Physics, National Institute of Technology, Rourkela-769008, Odisha, India.	International Journal of Electrochemical Science	Dec 2014	1.956	RG 1435-015

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
92	Studies on thermal, mechanical, morphological, and viscoelastic properties of polybenzimidazole fiber reinforced high density polyethylene composites	Shan Faiz Arfat Anis Mohammad Luqman Saeed M. Al Zahrani	SABIC Polymer Research Center, Chemical Engineering Department, College of Engineering, King Saud University, Riyadh 11421, Kingdom of Saudi Arabia SABIC Polymer Research Center, Chemical Engineering Department, College of Engineering, King Saud University, Riyadh 11421, Kingdom of Saudi Arabia Department of Basic Science, College of Applied Sciences, A'Sharqiyah University, Ibra-400, Sultanate of Oman King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia SABIC Polymer Research Center (SPRC), Dept Chem Engrg, King Saud Univ, Riyadh 11421, Saudi Arabia A'Sharqiyah University, Ibra, Oman	Polymer Composites	Jul 2014	1.455	CEREM-MS-P07
93	Assessing learning outcomes in electrical engineering education: a case study from Saudi Arabia	Mohamed El-Kady Abdullah Alsadaawi Saeed Al-Zahrani Abdelhamid Ajbar	College of Engineering, King Saud University, Riyadh, Saudi Arabia National Center for Assessment in Higher Education, Riyadh, Saudi Arabia	International Journal of Electrical Engineering Education	Oct 2014	0.118	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
94	Rheological and mechanical properties of polypropylene/calcium carbonate nanocomposites prepared from masterbatch	Achmad Chafidz Mujtahid Kaa vessina Saeed Al-Zahrani1 Mansour N Al-Otaibi	Department of Chemical Engineering, King Saud University, Riyadh, Saudi Arabia Department of Chemical Engineering, Sebelas Maret University, Surakarta, Indonesia	Journal of Thermoplastic Composite Materials	Apr 2014	1.134	
95	Characterization of poly(lactic acid)/hydroxyapatite prepared by a solvent-blending technique Viscoelasticity and in vitro hydrolytic degradation	Mujtahid Kaa vessina Achmad Chafidz Ilias Ali Saeed M. Al-Zahrani	Department of Chemical Engineering, Sebelas Maret University, Surakarta, Indonesia King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia SABIC Polymer Research Center (SPRC), King Saud University, Riyadh, Saudi Arabia	Journal of Elastomers and Plastics	Nov 2014	0.714	
96	Preparation and characterization of poly(lactic acid)/elastomer blends prepared by melt blending technique	Mujtahid Kaa vessina Ilias Ali Rabeh Elleithy Saeed M. Al-Zahrani	Chemical Engineering Department, Sebelas Maret University, Surakarta, Indonesia SABIC Polymer Research Center (SPRC), King Saud University, Riyadh, Saudi Arabia Printpack Inc. I 400 Packets Court I Williamsburg, VA, USA	Journal of Elastomers and Plastics	Nov 2014	0.714	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
97	Thermal, creep-recovery and viscoelastic behavior of high density polyethylene/hydroxyapatite nanoparticles for bone substitutes: effects of gamma radiation	Othman Y Alothman H Fouad S M Al-Zahrani Ayman Eshra Mohammed Fayez Al Rez S G Ansari	Applied Medical Science Department, Riyadh Community College, King Saud University, Riyadh, Saudi Arabia Biomedical Engineering Department, Faculty of Engineering, Helwan University, P. O. Box 11792, Helwan, Egypt King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Biomedical Engineering Online	2014	1.746	
98	Kinetic Modeling and Enhanced Production of Fructose and Ethanol From Date Fruit Extract	Meilana Dharma Putra Ahmed Elhag Abasaeda Hasan Khader Atiyehb Saeed M. Al-Zahrani, Mohamed Hassan Gailya Ashraf Kamal Sulimana M. A. Zeinelab-deena	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia Department of Biosystems and Agricultural Engineering, Oklahoma State University, Stillwater, OK, USA	Chemical Engineering Communications	Oct 2014	0.788	
99	Analysis of thermal residual stresses distribution in circular and elliptical bonded composite repair of metallic cracked structures	Albedah, A. Mhamdia, R. Benyahia, F. Bouiadjra, B. Bachir Serier, B.	King Saud Univ, Coll Engn, Dept Chem Engn, Riyadh 11421, Saudi Arabia	Advances in Fracture and Damage Mechanics XII	2014	ISI Listed Conference Proceeding	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
100	Selective fermentation of pitted dates by <i>S. cerevisiae</i> for the production of concentrated fructose syrups and ethanol	Putra, Meilana Dharma Abasaeed, Ahmed Zeinelabdeen, M. A. Gaily, Mohamed H. Suliman, Ashraf K.	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia	International Conference on Science & Engineering in Mathematics, Chemistry And Physics	Jan 2014	ISI Listed Conference Proceeding	
101	Toxicity Measurement of Imidazolium Ionic Liquids using Acute Toxicity Test	El-Harbawi, Mo-hanad	King Saud Univ, Dept Chem Engr, Riyadh 11421, Saudi Arabia	International Conference and Workshop on Chemical Engineering Unpar	2014	ISI Listed Conference Proceeding	

ELECTRICAL ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	A Novel Multi Membership Function Based VLSI Architecture of a Fuzzy Inference Processor	Loan, Sajad A. Murshid, Asim M. Abbasi, Shuja A. Alamoud, A. Rahman M.	Jamia Millia Islamia, Dept Elect & Commun Engn, New Delhi 110025, India Kirkuk Univ, Kirkuk, Iraq King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Ara- bia	International Journal of Fuzzy Systems	Dec 2014	1.031	NSTIP11-NAN- 2118- 02
2	Fabrication and characterization of chromium-chromium oxide-chromium metal-insulator-metal (MIM) tunnel junctions	Debbar, Nacer Syaryadhi, Mohamed Abdel-Rahman, Mohamed	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Ara- bia King Saud Univ, Prince Sultan Adv Technol Res Inst, (PSATRI), Coll Engn, Riyadh 11421, Saudi Ara- bia	European Physical Journal- Applied Physics	Dec 2014	0.789	KACST AT- 4-13
3	Nonlinear Fiber Loop Mirror Optimization to Enhance the Performance of Multiwavelength Brillouin/Erbium-Doped Fiber Laser	Al-Alimi, A. W. Yaacob, M. H. Abas, A. F.	Univ Putra Malaysia, Wireless & Photon Net- works Res Ctr, Serdang 43400, Malaysia King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Ara- bia	IEEE Photonics Journal	Dec 2014	2.330	DSR, KSU
4	Partial discharge pattern analysis using support vector machine to estimate size and position of metallic particle adhering to spacer in GIS	Khan, Y. Khan, A. A. Budiman, F.N. Beroual, A Malik, N. H. Al-Arainy, A. A.	King Saud Univ, Coll Engn, Dept Elect Engn, Saudi Aramco Chair Elect Power, Riyadh, Saudi Arabia Univ Lyon, Ecole Cent Lyon, AMPERE Lab CNRS UMR 5005, Ecully, France	Electric Power Systems Research	Nov 2014	1.595	Research Center

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
5	Checkerboard Nanoplasmonic Gold Structure for Long-Wave Infrared Absorption Enhancement	Awad, Ehab Abdel-Rahman, Mohamed Zia, Muhammad Fakhar	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engn, PSATRI, Riyadh 11421, Saudi Arabia	IEEE Photonics Journal	Aug 2014	2.330	COE, KSU
6	Analytical Calculation of AC and DC Electric Field Distribution at High Voltage Cable Terminations	Malik, N. H. Pazheri, F. R. Al-Arainy, A. A. Qureshi, M. I.	King Saud Univ, Dept Elect Engn, Coll Engn, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Apr 2014	0.367	NPST08-ENE 215-02
7	A review on global renewable electricity scenario	Pazheri, F. R. Othman, M. F. Malik, N. H.	King Saud Univ, Coll Engn, Dept Elect Engn, Saudi Aramco Chair Elect Power, Riyadh 11421, Saudi Arabia Univ Teknol Malaysia, Fac Elect Engn, Ctr Artificial Intelligence & Robot, Kuala Lumpur 54100, Malaysia	Renewable & Sustainable Energy Reviews	Mar 2014	5.510	DSR-COE
8	Arabic vs. English: Comparative Statistical Study	Alotaiby, Fahad Foda, Salah Alkharashi, Ibrahim	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabia King Abdulaziz City Sci & Technol, Comp Res Inst, Riyadh, Saudi Arabia	Arabian Journal for Science and Engineering	Feb 2014	0.367	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
9	Half-linear cavity multiwavelength Brillouin-erbium fiber laser	Al-Alimi, A. W. Yaacob, M. H. Abas, A. F.	Univ Putra Malaysia, Wireless & Photon Networks Res Ctr, Upm Serdang 43400, Selangor, Malaysia King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Journal of The European Optical Society-Rapid Publications	2014	1.152	DSR-COE
10	Performance Analysis of Duty-Cycle Division Multiplexing over Wavelength Division Multiplexing System	Seyedzadeh, Saleh Mahdiraji, Ghafour Amouzad Abas, Ahmad Fauzi	Univ Putra Malaysia, Serdang, Malaysia King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabia	Fiber and Integrated Optics	2014	0.403	
11	A DR Loaded Substrate Integrated Waveguide Antenna for 60 GHz High Speed Wireless Communication Systems	Ashraf, Nadeem Vettikalladi, Hamsakutty Alkanhal, Majeed A. S.	King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	DSR-COE 435/9
12	A high performance charge plasma based lateral bipolar transistor on selective buried oxide	Loan, Sajad A. Bashir, Faisal Rafat, M. Alamoud, Abdul Rehman Abbasi, Shuja A.	Jamia Millia Islamia, Dept Elect & Commun Engn, New Delhi 110025, India Jamia Millia Islamia, Dept Appl Sci, New Delhi 110025, India King Saud Univ, Coll Engn, Dept Elect Engn, Riyadh, Saudi Arabia	Semiconductor Science and Technology	Jan 2014	2.206	NPST11-NAN-2118-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
13	Efficient interference cancellation detector for asynchronous upstream optical code division multiple access-passive optical network with mixed Poisson-Gaussian noise	Fathallah, Habib Bentrchia, Abdel-ouahab Seleem, Hussein	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia KACST TIC Radio Frequency & Photon E Soc, Riyadh 11421, Saudi Arabia King Saud Univ, Prince Sultan Adv Technol Res Inst (PSATRI), Riyadh 11421, Saudi Arabia	IET Communications	Sep 2014	0.720	NPST09-ELE 857-02
14	Competitive linear parallel interference cancellation detection based on monotone line-search techniques	Bentrchia, Abdel-ouahab Alshebeili, Saleh	King Saud Univ, Electr Engn Dept, KACST Technol Innovat Ctr Radio Frequency & Photo, Riyadh 11421, Saudi Arabia King Saud Univ, PSATRI, Riyadh 11421, Saudi Arabia	IET Signal Processing	Jul 2014	0.691	KACSTARP 29-55
15	Broadband dielectric loaded parallel coupled microstrip quadrature coupler	Ashraf, Muhammad A. Sebak, Abdel Razik Alhekail, Zeyad O. Alkanhal, Majeed Alshebeili, Saleh	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia KACST Technol Innovat Ctr RFTONICS, Riyadh 11421, Saudi Arabia King Saud Univ, PSATRI, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	Jul 2014	0.623	KACST

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
16	A Cylindrical Dielectric Resonator Antenna-Coupled Sensor Configuration for 94 GHz Detection	Saleem, M. Kamran Abdel-Rahman, M. Alkanhal, Majeed Sebak, Abdelrazik	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Saud Univ, PSATRI, Riyadh 11421, Saudi Arabia King Saud Univ, KACST Technol Innovat Ctr RFTON, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	KACST AT-4-13
17	Lattice reduction aided improved signal detection for MIMO system	Hossain, Md Anwar Rehman, Sajjad Ur	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of Optoelectronics and Advanced Materials	Nov 2014	0.563	DSR-KSU
18	Real-Time Implementation of UWB-OFDM SAR Imaging System Using Shared Memory Based FPGA	Hossain, Md Anwar Elshafiey, Ibrahim Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Applied Computational Electromagnetics Society Journal	Nov 2014	1.024	DSR-KSU
19	Compressed sensing based MIMO UWB-OFDM SAR imaging using image fusion	Hossain, Md Anwar Elshafiey, Ibrahim	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Journal of Optoelectronics and Advanced Materials	Jul 2014	0.563	NPST10-ELE 996-02
20	Shared memory based real-time implementation of UWB-OFDM SAR imaging system	Hossain, Md Anwar Elshafiey, Ibrahim Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Optoelectronics and Advanced Materials-Rapid Communications	Jul 2014	0.449	NPST08-ELE 262-2

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
21	Chaotic Interleaving for Robust Image Transmission with LDPC Coded OFDM	Soliman, Naglaa F. Albagory, Yasser Elbendary, Mohsen A. M. Al-Hanafy, Waleed El-Rabaie, El-Sayed M. Alshebeili, Saleh A. Abd El-Samie, Fathi E.	Princess Nourah Bint Abdulrahman Univ, Fac Comp & Informat Sci, Riyadh, Saudi Arabia Taif Univ, Dept Informat Technol, Coll Comp & Informat Technol, At Taif, Saudi Arabia Helwan Univ, Fac Ind Educ, Helwan, Egypt Albaha Univ, Dept Elect Engn, Fac Engn, Al Bahah, Saudi Arabia King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh, Saudi Arabia	Wireless Personal Communications	Dec 2014	0.979	
22	Electromagnetic scattering from perfect electromagnetic conductor cylinders placed in magnetized plasma medium	Yaqoob, M. Z. Ghaffar, A. Shakir, J. Naz, M. Y. Sarfraz, M. Ahmed, S. Naqvi, Q. A.	GC Univ, Dept Phys, Faisalabad, Pakistan Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan	Optoelectronics and Advanced Materials-Rapid Communications	Nov 2014	0.449	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
23	Efficient implementation of chaotic image encryption in transform domains	Naeem, Enshe-rah A. Abd Elnaby, Mustafa M. Soliman, Naglaa F. Abbas, Alaa M. Faragallah, Osama S. Semary, Noura Hadhoud, Mohiy M. Alshebeili, Saleh A. Abd El-Samie, Fathi E.	Tanta Univ, Dept Elect & Elect Commun Engr, Fac Engr, Tanta, Egypt Taif Univ, Fac Engr, At Taif, Saudi Arabia Menoufia Univ, Menoufia 32952, Egypt King Saud Univ, Dept Elect Engr, KACST TIC Radio Frequency & Photon eSoc RFTONICS, Riyadh 11451, Saudi Arabia Princess Nourah Bint Abdulrahman Univ, Fac Comp & Informat Sci, Riyadh, Saudi Arabia	Journal of Systems and Software	Nov 2014	1.245	
24	Homomorphic image watermarking with a singular value decomposition algorithm	Abdallah, Hanaa A. Ghazy, Rania A. Kasban, Hany Faragallah, Osama S. Shaalan, Abdalhammed A. Hadhoud, Mohiy M. Dessouky, Moawad I. El-Fishawy, Nawal A. Alshebeili, Saleh A. Abd El-samie, Fathi E.	Zagazig Univ, Fac Engr, Zagazig, Egypt Menoufia Univ, Menoufia 32952, Egypt Atom Energy Author, Nucl Res Ctr, Dept Engr, Cairo, Egypt King Saud Univ, Dept Elect Engr, KACST TIC Radio Frequency & Photon eSoc RFTON, Riyadh 11451, Saudi Arabia	Information Processing & Management	Nov 2014	1.069	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
25	Multiband bandpass filters with suppressed harmonics using a novel defected ground structure	Hejazi, Zuhair M. Ali, Zeshan	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Microwave and Optical Technology Letters	Nov 2014	0.623	DSR-KSU
26	Techno-economic optimization of hybrid power system using genetic algorithm	Al-Shamma'a, A. A. Addoweesh, Khaled E.	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Energy Research	Oct 2014	2.737	NPST 09 ENE 741-02
27	Radio Propagation Path Loss Models for 5G Cellular Networks in the 28 GHz and 38 GHz Millimeter-Wave Bands	Sulyman, Ahmed lyanda Nassar, AlMuthanna T. Samimi, Mathew K. MacCartney, G. R., Jr. Rappaport, Theodore S. Alsanie, Abdulhameed	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia King Saud Univ, Riyadh 11451, Saudi Arabia NYU, Polytech Sch Engn, New York, NY 10003 USA	IEEE Communications Magazine	Sep 2014	4.460	NPST11-ELE 1854-02
28	Electromagnetic waves in parallel plate uniaxial anisotropic chiral waveguides	Ghaffar, Abdul Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	Optical Materials Express	Sep 2014	2.923	DSR-KSU
29	On the Performance of FFT/DWT/DCT-based OFDM Systems with Chaotic Interleaving and Channel Estimation Algorithms	Hamid, Zahraa Abdel Samir, Moataz Abd El-atty, Saied M. El-Hennawy, Adel E. El Shenawy, Hamed Alshebeili, Saleh A. Abd El-Samie, Fathi E.	El Shorouk Acad, Fac Engn, Cairo, Egypt Equinox Int, Cairo, Egypt Ain Shams Univ, Fac Engn, Dept Elect & Elect Commun Engn, Cairo, Egypt King Saud Univ, Dept Elect Engn, KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh, Saudi Arabia	Wireless Personal Communications	Sep 2014	0.979	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
30	Case study: KACST technology innovation center in radio frequency and photonics	Sebak, Abdelrazik Bakry, Saad Haj Alshebeili, Saleh Fathallah, Habib Alajlan, Saleh	King Saud Univ, Prince Sultan Adv Technol Res Inst, (PSATRI), Riyadh, Saudi Arabia King Saud Univ, Dept Comp Engrn, Riyadh, Saudi Arabia King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia King Abdulaziz City Sci & Technol, Directorate Technol Innovat Ctr TIC Program, Riyadh, Saudi Arabia	Innovation-Management Policy & Practice	Aug 2014	0.439	
31	Multicriteria Decision-Making With Imprecise Importance Weights	Yager, Ronald R. Alajlan, Naif	Iona Coll, Inst Machine Intelligence, New Rochelle, NY 10805 USA King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia	IEEE Transactions on Fuzzy Systems	Aug 2014	6.306	Deanship of Scientist Fellowship KSU
32	Performance analysis of relay-multiplexing scheme in cellular systems employing massive multiple-input multiple-output antennas	Akhlaq, Assad Sulyman, Ahmed Iyanda Hassanein, Hossam Alsanie, Abdulhameed Alshebeili, Saleh A.	King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia Queens Univ, Sch Comp, Kingston, ON K7L 3N6, Canada	IET Communications	Jul 2014	0.720	NPST 11-ELE 1854-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
33	Focusing of Electromagnetic Wave from Quartic Inhomogeneous Chiro-Slab	Ghaffar, A. Sharif, M. Naqvi, Q. A. Alkanhal, M. A. S. Khalid, F. Shukurullah, S.	Univ Agr Faisalabad, Dept Phys, Faisalabad 3800, Pakistan GC Univ, Dept Phys, Faisalabad 3800, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan King Saud Univ, Dept Elect Engn, Riyadh, Saudi Arabia	Applied Computational Electromagnetics Society Journal	Jul 2014	1.024	
34	Scattering of evanescent and radiative fields of a Gaussian beam by a perfect electromagnetic conductor cylinder	Ghaffar, Abdul Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan	Journal of Optoelectronics and Advanced Materials	May 2014	0.563	COE-KSU
35	Electromagnetic wave propagation through a dielectric slab placed in a chiral medium using the transfer matrix technique	Ghaffar, Abdul Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan	Journal of Optoelectronics and Advanced Materials	May 2014	0.563	COE-KSU
36	Economic Modeling of Hybrid Renewable Energy System: A Case Study in Saudi Arabia	Addoweesh, Khaled E. Bawa, Umar Mohamed, Mohamed A. Eltamaly, Ali M.	King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	May 2014	0.367	NPST09-ELE 741-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
37	Penalised and doubly-penalised parallel/successive interference cancellation multi-user detectors for asynchronous upstream optical code division multiple access passive optical network	Seleem, Hussein Bentrchia, Abdelouahab Fathallah, Habib	King Saud Univ, Dept Elect Engr, Prince Sultan, Adv Technol Res Inst, (PSATRI), Riyadh, Saudi Arabia	IET Communications	Mar 2014	0.720	NPST 09-ELE 857-02
38	Efficient pan-sharpening of satellite images with the contourlet transform	Metwalli, Mohamed R. Nasr, Ayman H. Faragallah, Osama S. El-Rabaie, El-Sayed M. Abbas, Alaa M. Alshebeili, Saleh A. Abd El-Samie, Fathi E.	Natl Author Remote Sensing & Space Sci, Data Recept Anal & Receiving Stn Affairs Div, Cairo, Egypt Menoufia Univ, Dept Comp Sci & Engrn, Menoufia 32952, Egypt King Saud Univ, Dept Elect Engrn, KACST TIC Radio Frequency & Photon E Soc RFTONICS, Riyadh, Saudi Arabia	International Journal of Remote Sensing	Mar 2014	1.359	
39	Comparative study of multilevel inverters under unbalanced voltage in a single DC link	Maswood, A., I Gabriel, O. H. P. Al Ammar, E.	King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia	IET Power Electronics	Mar 2014	1.318	
40	IEEE 802.11 medium access control enhancements based on simultaneous multiple-input multiple-output bandwidth sharing	Ashtaiwi, Abduladhim Sulyman, Ahmed lyanda Hassanein, Hossam S.	Queens Univ, Dept Elect & Comp Engrn, Kingston, ON, Canada King Saud Univ, Dept Elect Engrn, Riyadh, Saudi Arabia	Wireless Communications & Mobile Computing	Feb 2014	1.291	NPST09-ELE 928-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
41	Deployment Challenges for Large-Scale MIMO Communications	Sulyman, Ahmed Iyanda Kang, Joonhyuk Yousefi, Shahram	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia Korea Adv Inst Sci & Technol, Dept Elect Engn, Taejon 305702, South Korea Queens Univ, Dept Elect & Comp Engn, Kingston, ON K7L 3N6, Canada	International Journal of Antennas and Propagation	Sep 2014	0.827	
42	A Novel Design and Optimization Software for Autonomous PV/Wind/Battery Hybrid Power Systems	Eltamaly, Ali M. Mohamed, Mohamed A.	King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	Mathematical Problems In Engineering	2014	1.082	DSR-COE
43	Scattering of electromagnetic wave from perfect electromagnetic conductor cylinders placed in un-magnetized isotropic plasma medium	Ghaffar, A. Yaqoob, M. Z. Alkanhal, Majeed A. S. Ahmed, S. Naqvi, Q. A. Kalyar, M. A.	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia GC Univ, Dept Phys, Faisalabad, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan Univ Sargodha, Dept Phys, Sargodha, Pakistan	OPTIK	2014	0.769	DSR-COE
44	Rateless Space Time Block Code for Massive MIMO Systems	Alqahtani, Ali H. Sulyman, Ahmed Iyanda Alsanie, Abdulhameed	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	NPST11-ELE 1880 -02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
45	Incorporation of The Nihility Medium to Improve The Cylindrical Invisibility Cloak	Shahzad, A. Ahmed, S. Ghaffar, A. Naqvi, Q. A.	Quaid I Azam Univ, Dept Elect, Islamabad 45320, Pakistan King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	Applied Computational Electromagnetics Society Journal	Jan 2014	1.024	DSR-COE
46	Electromagnetic scattering from anisotropic plasma-coated perfect electromagnetic conductor cylinders	Ghaffar, A. Yaqoob, M. Z. Alkanhal, Majeed A. S. Sharif, M. Naqvi, Q. A.	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia Govt Coll Univ, Dept Phys, Faisalabad, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan	Aeu-International Journal of Electronics and Communications	2014	0.696	DSR-COE
47	Spatial Modulation Concept for Massive Multiuser MIMO Systems	Humadi, Khaled M. Sulyman, Ahmed Iyanda Alsanie, Abdulhameed	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	11- ELE 1854-02 NPST
48	Effects of Zn Diffusion from (Zn,Mg)O Buffer to CIGS Film on the Performance of Cd-Free Cu(In,Ga)Se-2 Solar Cells	Lee, Chang-Soo Kim, Suncheul Al-Ammar, Essam A. Kwon, HyuckSang Ahn, Byung Tae	Kim, Suncheul Al-Ammar, Essam A. Kwon, HyuckSang Korea Adv Inst Sci & Technol, Dept Mat Sci & Engn, Taejon 305701, South Korea King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	ECS Journal of Solid State Science and Technology	2014	0.917	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
49	High Gain and High Efficient Stacked Antenna Array with Integrated Horn for 60GHz Communication Systems	Vettikalladi, Hamsakutty Sethi, Waleed Tariq Alkanhal, Majeed A.	King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	DSR-COE
50	Dual Strip-Excited Dielectric Resonator Antenna with Parasitic Strips for Radiation Pattern Re-configurability	Saleem, M. Kamran Alkanhal, Majeed A. S. Sheta, Abdel Fattah	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	NPST10-ELE 996-02
51	Development of Simple Designs of Multitip Probe Diagnostic Systems for RF Plasma Characterization	Naz, M. Y. Shukrullah, S. Ghaffar, A. Rehman, N. U.	Univ Teknol PETRONAS, Dept Fundamental & Appl Sci, Tronoh 31750, Perak, Malaysia King Saud Univ, Dept Elect Engn, Riyadh 11451, Saudi Arabia COMSATS Inst Informat Technol, Dept Phys, Islamabad, Pakistan	Scientific World Journal	2014	1.219	
52	Analytical Model of Multi-junction Solar Cell	Babar, Muhammad Rizvi, Arslan A. Al-Ammar, Essam A. Malik, Nazar H.	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	Jan 2014	0.367	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
53	Radiation properties of a uniaxial chiral quadratic inhomogeneous slab under oblique incidence	Ghaffar, Abdul Arif, Muhammad Naqvi, Qaisar Abbas Alkanhal, Majeed A.	Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan King Saud Univ, Dept Elect Engrn, Riyadh 11451, Saudi Arabia	OPTIK	2014	0.769	
54	Performance Investigations of Quasi-Yagi Loop and Dipole Antennas on Silicon Substrate for 94GHz Applications	Haraz, Osama M. Abdel-Rahman, Mohamed Al-Khalli, Najeeb Alshebeili, Saleh Sebak, Abdel Razik	King Saud Univ, KACST Technol Innovat Ctr Radiofrequency & Photon, Riyadh 11451, Saudi Arabia King Saud Univ, Coll Engrn, Prince Sultan Adv Technol Res Inst, (PSA-TRI) Riyadh, Saudi Arabia King Saud Univ, Dept Elect Engrn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	KACST
55	Effect of Accelerated Laboratory Aging on Selected Electrical Properties of Medium-voltage Heat Shrink Cable Joints	Qureshi, Mohd. Iqbal Al-Arainy, Abdulrhman Malik, Nazar H.	King Saud Univ, Coll Engrn (Research Center), Riyadh 11421, Saudi Arabia King Saud Univ, Dept Elect Engrn, Riyadh 11421, Saudi Arabia	Electric power components and systems	Apr 2014	0.664	NPST-08-ENE 215-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
56	Ergodic Capacity of Nonlinear MIMO-OFDM Relaying Channels	Ishtiaq Ahmad Ahmed Iyanda Sulyman Khaled Ali Abuhasel Saleh A. Alshebeili Awad K. Al-Asmari	Institute for Telecommunications Research, University of South Australia, Adelaide, Australia Department of Electrical Engineering, King Saud University, Riyadh, Saudi Arabia Department of Mechanical Engineering, Salman Bin Abdulaziz University, Alkharj, Saudi Arabia RFTONICS, King Saud Univ, Dept Elect Engrn, Riyadh 11421, Saudi Arabia, King Saud University, Riyadh, Saudi Arabia	Wireless Personal Communications	Oct 2014	0.979	NSTIP
57	A DR Loaded Substrate Integrated Waveguide Antenna for 60GHz High Speed Wireless Communication Systems	Nadeem Ashraf, Hamsakutty Vettikalladi Majeed A. S. Alkanhal	Electrical Engineering Department, College of Engineering, King Saud University, P.O. Box 800, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	June 2014	0.827	Research Center at CoE: Project no. 435/9
58	High Gain and High Efficient Stacked Antenna Array with Integrated Horn for 60GHz Communication Systems	Hamsakutty Vettikalladi, Waleed Tariq Sethi Majeed A. Alkanhal	Electrical Engineering Department, College of Engineering, King Saud University, P.O. Box 800, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	April 2014	0.827	DSR-Research Center at CoE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
59	A Cylindrical Dielectric Resonator Antenna-Coupled Sensor Configuration for 94 GHz Detection	M. Kamran Saleem M. Abdel-Rahman Majeed Alkanhal Abdelrazik Sebak	Electrical Engineering Department, King Saud University, Riyadh 11421, Saudi Arabia Prince Sultan Advanced Technologies Research Institute (PSATRI), King Saud University, Riyadh 11421, Saudi Arabia KACST Technology Innovation Center in RFTONICS, King Saud University, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	KACST Grant AT - 4 -13
60	Fabrication and Characterization of a W-band Cylindrical Dielectric Resonator Antenna-Coupled Niobium Microbolometer	M. Kamran Saleem M. Abdel-Rahman Majeed Alkanhal Abdelrazik Sebak	Electrical Engineering Department, King Saud University, Riyadh 11421, Saudi Arabia Prince Sultan Advanced Technologies Research Institute (PSATRI), King Saud University, Riyadh 11421, Saudi Arabia KACST Technology Innovation Center in RFTONICS, King Saud University, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	KACST Grant AT-4-13.
61	High-resolution and Wide-swath UWB OFDM MIMO Synthetic Aperture Radar System Using Image Fusion	Md Anowar Hos-sain, Ibrahim Elshafiey Majeed A. S. Alkanhal	Department of Electrical Engineering, King Saud University, 11421, Riyadh, Saudi Arabia	Journal of the Indian Society of Remote Sensing	Oct 2014	0.528	NPST-08-ELE-262-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
62	Electromagnetic reflection and transmission from a planar isotropic chiral-uniaxial chiral interface with optical axis normal to interface	Ghaffar Majeed A.S. Alkanhal	Department of Electrical Engineering, King Saud University, 11421, Riyadh, Saudi Arabia	International Journal of Applied Electromagnetics and Mechanics	Nov 2014	0.737	
63	Reflected and transmitted powers from a planar isotropic chiral-uniaxial anisotropic chiral interface	Ghaffarab Majeed A.S. Alkanhala	Department of Electrical Engineering, King Saud University, 11421, Riyadh, Saudi Arabia	Waves in Random and Complex Media	Aug 2014	1.107	
64	Automatic Modulation Recognition in Wireless Multi-carrier Wireless Systems with Cepstral Features	Mohamed E. M. Keshk Mohammed Abd El-Naby Rasha M. Al-Makhlawwy Heba A. El-Khobby W. Hamouda Mustafa M. Abd Elnaby El-Sayed M. El-Rabaie Moawad I. Des-souky Saleh A. Alshebeili Fathi E. Abd El-Samie	Egyptian Space Program, National Authority for Remote Sensing and Space Science, Cairo, Egypt Menoufia University, Menouf, 32952, Egypt Electronics Research Institute, Dokky, Egypt Faculty of Engineering, Tanta University, Egypt Concordia University, Montreal, Canada Electrical Engn Dept, KACST-TIC (RFTONICS), King Saud University, Riyadh, Kingdom of Saudi Arabia	Wireless Personal Communications	Dec 2014	0.797	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
65	Ultra-Wideband 4×4 Butler Matrix Employing Trapezoidal-Shaped Microstrip-Slot Technique	Osama Mohamed Haraz Abdel-Razik Sebak Saleh A. Alshebeili	KACST Technology Innovation Center in Radiofrequency and Photonics for the e-Society (RFTONICS), Electrical Engn Dept King Saud University Wireless Personal Communications	Dec 2014	0.797	KACST	
66	Performance Investigations of Quasi-Yagi Loop and Dipole Antennas on Silicon Substrate for 94 GHz Applications	Osama M. Haraz Mohamed Abdel-Rahman Najeeb Al-Khalli Saleh Alshebeili Abdel Razik Sebak	KACST Technology Innovation Center in Radiofrequency and Photonics for the e-Society (RFTONICS), Coll Engn, KSU PSATRI, College of Engineering, King Saud University, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia	International Journal of Antennas and Propagation	2014	0.827	KACST (RFTONICS)
67	EEG seizure detection and prediction algorithms: a survey	Turkey N Alotaiby Saleh A Alshebeili Tariq Alshawi Ishtiaq Ahmad Fathi E Abd El-Samie	KACST, Riyadh 11442, Kingdom of Saudi Arabia Dept Elect Engn, KACST-TIC in Radio Frequency and Photonics for the e-Society (RFTONICS), Coll Engn, KSU King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia Institute for Telecom Research, Univ of South Australia, South Australia, Australia	EURASIP Journal on Advances in Signal Processing	Dec 2014	0.81	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
68	Low-cost High Gain Printed Log-Periodic Dipole Array Antenna with Dielectric Lenses for V-band Applications	Osama M. Haraz Saleh A. Alshebeili Abdel-Razik Sebak	KACST (RFTONICS) in the e-society, Dept Elect Engr, King Saud Univ, Riyadh 11421, Saudi Arabia	IET Micro-waves, Antennas and Propagation,	Nov 2014	0.969	
69	Design of a printed log-periodic dipole array antenna with high gain for millimeter-wave applications	Osama M. Haraz Abdel-Razik Sebak Saleh A. Alshebeili	Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia KACST (RFTONICS), King Saud University, Riyadh, Saudi Arabia	International Journal of RF and Microwave Computer-Aided Engineering	Sep 2014	0.845	KACST (RFTONICS)
70	Ergodic Capacity of Nonlinear MIMO-OFDM Relaying Channels	Ishtiaq Ahmad Ahmed Iyanda Sulyman Khaled Ali Abuhasel Saleh A. Alshebeili Awad K. Al-Asmari	Institute for Telecommunications Research, University of South Australia, Adelaide, Australia Department of Electrical Engineering, King Saud University, Riyadh, Saudi Arabia Department of Mechanical Engineering, Salman Bin Abdulaziz University, Alkharj, Saudi Arabia	Wireless Personal Communications	Oct 2014	0.979	NSTIP11-ELE 1854-02
71	Adaptive Resource Allocation Algorithms for Multi-user MIMO-OFDM Systems	Najib A. Odhah Emad S. Hassan Mohamad Abdelnaby Waleed E. Al-Hanafy Moawad I. Des-souky Saleh A. Alshebeili Fathi E. Abd El-Samie	Ibb University, Ibb, Yemen Menoufia University, Menouf , 32952, Egypt Electrical Engineering Department, KACST-(RFTONICS), King Saud University, Riyadh, Saudi Arabia	Wireless Personal Communications	Sep 2014	0.979	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
72	Robust and secure fractional wavelet image watermarking	Fathi E. Abd El-Samie Hala S. El-sayed Ehab H. Elshazly Osama S. Faragal-lah Alaa M. Abbas Mahmoud A. Ashour El-Sayed M. El-Rabaie Hassan Kazemian Saleh A. Alshebeili Fathi E. Abd El-Samie Hala S. El-sayed	Fathi E. Abd El-Samie Hala S. El-sayed NCRRT, EAEA, 3 Ahmed Al-Zomar, Nasr City, Cairo, Egypt Menoufia University, Menouf, 32952, Egypt Intelligent Systems Research Centre, London Metropolitan Univ, London, UK Elect Engr Dept, KACST-TIC in Radio Frequency and Photonics for the e-Society (RFTONICS), King Saud Univ, Riyadh ,Saudi Arabia	Signal, Image and Video Processing	Aug 2014	1.019	
73	Performance analysis of relay-multiplexing scheme in cellular systems employing massive multiple-input multiple-output antennas	Assad Akhlaq Ahmed lyanda Sulyman Hossam Hassanein Abdulhameed Alsanie Saleh A. Alshebeili	King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia School of Computing, Queens University, Kingston, ON, Canada K7 L 3N6	IET Communications	July 2014	0.720	NPST11-ELE 1854-02
74	Ultra Wideband Phased Array Antenna Using Slow Wave Microstrip Dielectric Loaded Phase Shifters	Ashraf, M. A. Alshebeili, Saleh Alkanhal, Majeed Sebak, A. R.	King Saud Univ, Dept Elect Engr, Riyadh 11421, Saudi Arabia	Intl Symposium on Antenna Technology and Applied Electromagnetics (Antem)	Jul 2014	ISI Listed Conference Proceeding	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
75	Millimeter wave Antenna Based on Substrate Integrated Waveguide Technology for 60-GHz Communication System	Vettikalladi, Hamsakutty Ashraf, Nadeem Alkanhal, Majeed A. S.	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia.	Intl Symposium on Antenna Tech. & Applied Electromagnetics (antem)	Jul 2014	ISI Listed Conference Proceeding	
76	Relay Selection in Distributed Alamouti Space-Time Block Coded Networks	Al-Qahtani, Dokheyl M. Al-Sanie, Abdulhameed	King Saud Univ, Dept Elect Engn, Riyadh 11421, Saudi Arabia.	IEEE Intl Wireless Symposium	Mar 2014	ISI Listed Conference Proceeding	

MECHANICAL ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	A novel simple in situ biomimetic and simultaneous deposition of bonelike apatite within biopolymer matrix as bone graft substitutes	Abdal-hay, Abdalla Hamdy, Abdel Salam Khalil, Khalil Abdel-razek Lim, Ju Hyun	South Valley Univ, Dept Engn Mat & Mech Design, Qena, Egypt Univ Texas Pan Amer, Dept Mfg Engn, Edinburg, TX 78541 USA King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Aswan Univ, Dept Mech Engn, Aswan, Egypt Univ Ulsan, Coll Med, Dept Urol, Kangnung, South Korea	Materials Letters	Dec 2014	2.269	KSU RG 1435-001
2	Novel bone regeneration matrix for next-generation biomaterial using a vertical array of carbonated hydroxyapatite nanoplates coated onto electrospun nylon 6 nanofibers	Abdal-hay, Abdalla Hamdy, Abdel Salam Morsi, Yosry Khalil, Khalil Abdel-razek Lim, Ju Hyun	South Valley Univ, Dept Engn Mat & Mech Design, Egypt Univ Texas Pan Amer, Dept Mfg Engn, Edinburg, TX, USA Swinburne Univ Technol, Melbourne, Vic 3122, Australia King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Univ Ulsan, Coll Med, Dept Urol, Kangnung, South Korea	Materials Letters	Dec 2014	2.269	KSURG 1435-001

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
3	Heat and mass transfer inside micro-tubes with uniform injection	Loussif, Nizar Orfi, Jamel	Univ Monastir, Ecole Natl Ingenieur Monastir, Tunisia King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Computers & Fluids	Dec 2014	1.532	RGP-VPP-091
4	Nano-ZnO particle addition to monolithic magnesium for enhanced tensile and compressive response	Sankaranarayanan, S. Nayak, U. Pranav Sabat, R. K. Suwas, S. Almajid, A. Gupta, M.	Natl Univ Singapore, Dept Mech Engr, 117576, Singapore Natl Inst Technol Karnataka, Dept Met & Mat Engr, Mangalore 575025, India Indian Inst Sci, Dept Mat Engr, Bangalore, Karnataka, India King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia	Journal of Alloys and Compounds	Dec 2014	2.726	
5	Dynamic analysis of the CTAR (constant temperature adsorption refrigeration) cycle	Hassan, H. Z. Mohamad, A. A. Al-Ansary, H. A. Alyousef, Y. M.	Alfaisal Univ, Coll Engr, Dept Mech Engr, Riyadh 11533, Saudi Arabia Univ Calgary, Schulich Sch Engr, Calgary, AB T2N 1N4, Canada King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia Inst Water & Energy Res, King Abdullaziz City Sci & Technol, Riyadh, Saudi Arabia	Energy	Dec 2014	4.158	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
6	Natural convection of ferrofluids in partially heated square enclosures	Selimefendigil, Fatih. Oztop, Hakan F. Al-Salem, Khaled	Celal Bayar Univ, Dept Mech Engn, TR-45140 Manisa, Turkey Firat Univ, Fac Technol, Dept Mech Engn, Elazig, Turkey King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Journal Of Magnetism And Magnetic Materials	Dec 2014	2.002	
7	Self-Powered Desalination of Geothermal Saline Groundwater: Technical Feasibility	Davies, Philip A. Orfi, Jamel	Aston Univ, Sch Engn & Appl Sci, Sustainable Environm Res Grp, Birmingham, W Midlands, England King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Water	Nov 2014	1.291	
8	Graphene/SnO2 nanocomposite as an effective electrode material for saline water desalination using capacitive deionization	El-Deen, Ahmed G. Barakat, Nasser A. M. Khalil, Khalil Abdelrazek Motlak, Moaaed Kim, Hak Yong	Chonbuk Natl Univ, Bio-Nanosyst Dept, Jeonju, South Korea Menia Univ, Fac Engn, Dept Chem Engn, El Minia, Egypt King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh 11421, Saudi Arabia Anbar Univ, Coll Sci, Dept Phys, Anbar 31001, Iraq	Ceramics International	Nov 2014	2.086	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
9	Natural convection coupled with radiation heat transfer in an inclined porous cavity with corner heater	Ahmed, Sameh E. Oztog, Hakan F. Al-Salem, Khaled	Northern Border Univ, Dept Math, Fac Sci, Ar Ar, Saudi Arabia Firat Univ, Fac Technol, Dept Mech Engr, Elazig, Turkey King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Computers & Fluids	Oct 2014	1.532	
10	Mechanical properties and microstructure evolution in an aluminum 6082 alloy processed by high-pressure torsion	El-Danaf, Ehab Kawasaki, Megumi El-Rayes, Magdy Baig, Muneer Mohammed, Jabair Ali Langdon, Terence G.	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia Hanyang Univ, Div Mat Sci & Engr, Seoul 133791, South Korea Univ So Calif, Los Angeles, CA, USA King Saud Univ, AML, Riyadh 11421, Saudi Arabia Univ Southampton, Southampton SO17 1BJ, Hants, England	Journal of Materials Science	Oct 2014	2.305	NPST-10-ADV 1032-02
11	Elliptical and Circular Bonded Composite Repair under Mechanical and Thermal Loading in Aircraft Structures	Benyahia, Faycal Albedah, Abdulmohsen Bouiadjra, Bel Abbes Bachir	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia Univ Djillali Liabes Sidi Bel Abbes, LMPM, Dept Mech Engr, Sidi Bel Abbes, Algeria	Materials Research-Ibero-American Journal of Materials	Sep 2014	0.483	RGP-VPP-035

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
12	Enhancement of the Passive Direct Methanol Fuel Cells Performance by Modification of the Cathode Microporous Layer Using Carbon Nanofibers	Abdelkareem, M. A. Kasem, E. T. Nakagawa, N. Abdelghani, E. A. M. Elzatahry, A. A. Khalil, K. A. Barakat, N. A. M.	Menia Univ, Dept Chem Engn, Fac Engn, El Minia, Egypt Gunma Univ, Grad Sch Engn Chem & Environm Engn, Gunma, Japan King Saud Univ, Dept Chem, Fac Sci, Riyadh, Saudi Arabia King Saud Univ, Dept Mech Engn, Riyadh 11421, Saudi Arabia Chonbuk Natl Univ, Jeonju, South Korea	Fuel Cells	Aug 2014	1.546	RGP-VPP-227
13	Extracting cutter/workpiece engagements in five-axis milling using solid modeler	Aras, Eyyup Albedah, Abdulmohsen	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Aug 2014	1.779	COE,KSU
14	Stress Intensity Factor for Repaired Circumferential Cracks in Pipe With Bonded Composite Wrap	Benyahia, F. Albedah, A. Bouiadjra, B. Bachir	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11451, Saudi Arabia Univ Djillali Liabes Sidi Bel Abbas, Dept Mech Engn, LMPM, Cite Ben Mhidi 22000, Sidi Bel Abbas, Algeria	Journal of Pressure Vessel Technology-Transactions of The Asme	Aug 2014	0.278	RGP-VPP-035

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
15	Investigation of yttria-doped alumina nanocomposites reinforced by multi-walled carbon nanotubes	Islam, Mohammad Almajid, Abdulhakim A. Yazdani, Bahareh Ahmad, Iftikhar Zhu, Yanqiu	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat (CEREM), Riyadh 11421, Saudi Arabia Univ Exeter, Coll Engn Math & Phys Sci, Exeter EX4 4QF, Devon, England	Ceramics International	Aug 2014	2.086	CEREM, KSU
16	Fabrication and characterization of silver nanostructures conformal coating layer onto electrospun N6 nanofibers with improved physical properties	Abdal-hay, Abdalla Khalil, Khalil Abdelrazek Lim, Juhyun Lim, Jae Kyoo	South Valley Univ, Dept Engn Mat & Mech Design, Fac Engn, Qena, Egypt King Saud Univ, Dept Mech Engn, CEREM, Coll Engn, Riyadh 11421, Saudi Arabia Univ Ulsan, Dept Urol, Coll Med, Kangnung, South Korea Chonbuk Natl Univ, Dept Mech Design Engn, Jeonju 561756, South Korea	Journal of Sol-Gel Science and Technology	Jul 2014	1.547	
17	Ceramic tubes membrane technology as a new humidification technique for gas turbine inlet air cooling	Zeitoun, O. Ali, M. Al-Ansary, H. Nuhait, A.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	International Journal of Thermal Sciences	Jun 2014	2.563	NPSTENE 220-02-08

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
18	Effects of copper and titanium on the corrosion behavior of newly fabricated nanocrystalline aluminum in natural seawater	Sherif, El-Sayed M. Ammar, Hany Rizk Khalil, Khalil Abdelrazek	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Suez Univ, Fac Petr & Min Engn, Met & Mat Engn Dept, Suez, Egypt Aswan Univ, Fac Energy Engn, Mech Design & Mat Dept, Aswan, Egypt	Applied Surface Science	May 2014	2.538	
19	Effect of water absorption on the adhesive damage in bonded composite repair of aircraft structures	Benyahia, F. Bouanani, M. Fari Albedah, A. Bouiadjra, B. Bachir Achour, T.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia Univ Djillali Liabes Sidi Bel Abbès, Dept Mech Engn, Sidi Bel Abbès, Algeria	Materials & Design	May 2014	3.171	
20	Numerical Modeling of Natural Convection Heat Transfer From a Horizontal Torus	Zeitoun, O.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Numerical Heat Transfer Part A-Applications	May 2014	1.847	DSR-COE
21	Estimating and Comparing the Exergetic Solar Radiation Values of Various Climate Regions for Solar Energy Utilization	Hepbasli, A. Alsuhbani, Z.	Yasar Univ, Dept Energy Syst Engn, Fac Engn, TR-35100 Izmir, Turkey King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Energy Sources Part A-Recovery Utilization and Environmental Effects	Apr 2014	0.358	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
22	In-vitro anticancer and antimicrobial activities of PLGA/silver nanofiber composites prepared by electrospinning	Almajhdi, Fahad N. Fouad, H. Khalil, Khalil Abdelrazek Awad, Hanem M. Mohamed, Sahar H. S. Elsarnagawy, T. Albarrag, Ahmed M. Al-Jassir, Fawzi F. Abdo, Hany S.	King Saud Univ, Coll Sci, Dept Bot & Microbiol, Riyadh 11451, Saudi Arabia Helwan Univ, Fac Engn, Dept Biomed Engn, Helwan, Egypt King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Natl Res Ctr, Cairo 12622, Egypt Prince Sultan Univ, Fac Engn, Riyadh, Saudi Arabia King Saud Univ, Coll Med, Dept Pathol, Riyadh 11461, Saudi Arabia King Saud Univ, Univ Hosp, Riyadh, Saudi Arabia King Saud Univ, Coll Med, FRCSC, Orthoped Surg Res Chair, Riyadh 11461, Saudi Arabia	Journal of Materials Science-Materials in Medicine	Apr 2014	2.379	NPST- 09 - BIO 676-02
23	Modeling study on the production of hydrogen/syngas via partial oxidation using a homogeneous charge compression ignition engine fueled with natural gas	Morsy, Mohamed H.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Jan 2014	2.938	DSR-COE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
24	Finite element simulation of stress distribution in the different components of Ceraver-Osteal hip prosthesis: static and dynamic analysis	Moulgada, A. Bouziane, M. M. Bouiadjra, B. Bachir Benbarek, S. Albedah, A. Achour, T.	Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, Sidi Bel Abbes 22000, Algeria Univ Mustapha Stambouli Masacra, Dept Mech Engn, Masacra, Algeria King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Mechanika	2014	0.336	RGP-VPP-035
25	Numerical analysis of stresses in the dental implants: case of three implants	Benlebna, M. Serier, B. Bouiadjra, B. Bachir	Univ Mascara, Dept Mech Engn, Mascara 2900, Algeria Univ Djillali Liabes Sidi Bel Abbes, Dept Mech Engn, LMPM, Sidi Bel Abbes 22000, Algeria King Saud Univ, Dept Mech Engn, Coll Engn, Riyadh, Saudi Arabia	Mechanika	2014	0.336	
26	Corrosion and Corrosion Inhibition of High Strength Low Alloy Steel in 2.0 M Sulfuric Acid Solutions by 3-Amino-1,2,3-triazole as a Corrosion Inhibitor	Sherif, El-Sayed M. Abbas, Adel Taha Gopi, D. El-Shamy, A. M.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia NRC, Dept Phys Chem, Electrochem & Corros Lab, Cairo 12622, Egypt Periyar Univ, Dept Chem, Salem 636011, Tamil Nadu, India	Journal of Chemistry	2014	0.164	RGP-VPP-160

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
27	The Effect of Nanofluid Concentration on the Cooling System of Vehicles Radiator	Ali, M. El-Leathy, A. M. Al-Sofyany, Z.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Advances in Mechanical Engineering	2014	0.500	RGP-VPP-080
28	Modeling Of Unsteady Natural Convection For Double-Pipe In A Partially Cooled Enclosure	Rahman, M. M. Oztop, Hakan F. Mekhilef, S. Saidur, R. Ahsan, A. Al-Salem, Khaled	Univ Malaya, , Kuala Lumpur, Malaysia Bangladesh Univ Engn & Technol, Dept Math, Dhaka ,Bangladesh Firat Univ, Fac Technol, Dept Mech Educ, Elazig, Turkey Univ Putra Malaysia, Serdang, Malaysia King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11451, Saudi Arabia	Numerical Heat Transfer Part A-Applications	2014	1.847	
29	Mechanical properties and fracture of Al-15 vol.-%B4C based metal matrix composites	Ibrahim, M. F. Ammar, H. R. Samuel, A. M. Soliman, M. S. Almajid, A. Samuel, F. H.	Univ Quebec Chicoutimi, Canada King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Suez Univ, Fac Petr & Min Engn, Met & Mat Engn Dept, Egypt King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, (CEREM), Riyadh, Saudi Arabia	International Journal of Cast Metals Research	Jan 2014	0.509	NPST11-ADV 1495-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
30	Nanocrystalline 6061 Al Powder Fabricated by Cryogenic Milling and Consolidated via High Frequency Induction Heat Sintering	Hanna, Walid Maung, Khinlay El-Danaf, Ehab A. Almajid, Abdulhakim A. Soliman, Mahmoud S. Mohamed, Farghalli A.	Univ Calif Irvine, Dept Chem Engr & Mat Sci, Irvine, CA 92697 USA King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Coll Engr, Ctr Excellence Res Engr Mat, Riyadh 11421, Saudi Arabia	Advances in Materials Science and Engineering	2014	0.897	NSTIP 08-ADV- 394- 02
31	First and Second-Law Efficiency Analysis and ANN Prediction of a Diesel Cycle with Internal Irreversibility, Variable Specific Heats, Heat Loss, and Friction Considerations	Rashidi, M. M. Hajipour, A. Mousapour, A. Ali, M. Xie, Gongnan Freidoonimehr, N.	Bu Ali Sina Univ, Fac Engr, Dept Mech Engr, Hamadan 651754161, Iran Shanghai Jiao Tong Univ, Univ Michigan Shanghai Jiao Tong Univ Joint Inst, Peoples R China Islamic Azad Univ, Tehran 1477893855, Iran King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia Northwestern Polytech Univ, Sch Mech Engr, Xian 710072, Shaanxi, Peoples R China	Advances in Mechanical Engineering	2014	0.500	RGP-VPP-080
32	Anodic Dissolution of API X70 Pipeline Steel in Arabian Gulf Seawater after Different Exposure Intervals	Sherif, El-Sayed M. Almajid, Abdulhakim A.	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia	Journal of Chemistry	2014	0.0	RGP-VPP-160

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
33	Thermodynamic Analysis of a Steam Power Plant with Double Reheat and Feed Water Heaters	Rashidi, M. M. Aghagoli, A. Ali, M.	Bu Ali Sina Univ, Fac Engn, Dept Mech Engn, Hamadan, Iran Shanghai Jiao Tong Univ, Univ Michigan Shanghai Jiao Tong Univ Joint Inst, Shanghai, Peoples R China King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	Advances in Mechanical Engineering	2014	0.500	RGP-VPP-080
34	Economic Investigation of Different Configurations of Inclined Solar Water Desalination Systems	Agboola, O. Phillips Al-Mutaz, I. S. Orfi, Jamel Egelioglu, Fuat	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Eastern Mediterranean Univ, Dept Mech Engn, Mersin, Turkey	Advances in Mechanical Engineering	2014	0.500	RGP-VPP-091
35	Mixed Convective Heat Transfer for MHD Viscoelastic Fluid Flow over a Porous Wedge with Thermal Radiation	Ali, M. Freidoonimehr, N. Rostami, B. Hossain, M. Anwar Rashidi, M. M.	Bu Ali Sina Univ, Fac Engn, Dept Mech Engn, Hamadan, Iran Shanghai Jiao Tong Univ, Joint Inst, Univ Michigan, Shanghai, Peoples R China King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia Islamic Azad Univ, Young Researchers & Elite Club, Hamadan, Iran Univ Dhaka, Dept Math, Dhaka 1000, Bangladesh	Advances in Mechanical Engineering	2014	0.500	RGP-VPP-080

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
36	Effects of slip velocity on air gap membrane distillation process	Loussif, Nizar Orfi, Jamel	Univ Monastir, Ecole Natl Ingn Monastir, Monastir, Tunisia King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Membrane Water Treatment	Jan 2014	0.436	RGP-VPP-091
37	Numerical study of three-dimensional combined buoyancy and thermocapillary convection and evaluation of entropy generation	Oztop, Hakan F. Lioua, Kolsi Naceur, Borjini Mohamad Al-Salem, Khaled	Firat Univ, Fac Technol, Dept Mech Engr, TR-23169 Elazig, Turkey Ecole Natl Ingenieurs Monastir, Unite Metrol Mekan Fluides & Therm, Tunisia King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	International Journal of Numerical Methods For Heat & Fluid Flow	2014	0.919	
38	Austenite Grain Growth Kinetics in API X65 and X70 Line-Pipe Steels during Isothermal Heating	Seikh, Asiful Hossain Soliman, Mahmoud S. AlMajid, Abdulhakim Alhajer, Khaled Alshalfan, Waleed	King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Ctr Excellence Res Engr Mat, Adv Mfg Inst, (CEREM), Riyadh 11421, Saudi Arabia Saudi Basic Ind Corp, SABIC Technol Ctr, Jubail Ind City, Saudi Arabia	Advances in Materials Science and Engineering	2014	0.897	CEREMKSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
39	A finite element analysis on combined convection and conduction in a channel with a thick walled cavity	Rahman, M. M. Oztop, Hakan Mekhilef, S. Saidur, R. Chamkha, A. Ahsan, A. Al-Salem, Khaled S.	BUET, Dept Math, Dhaka, Bangladesh Univ Malaya, Tower Fac Engrn, Kuala Lumpur, Malaysia Firat Univ, Dept Mech Engrn, TR-23169 Elazig, Turkey Publ Author Appl Educ & Training, Dept Mfg Engrn, Shuweikh, Kuwait Univ Putra Malaysia, Dept Civil Engrn, Serdang, Malaysia King Saud Univ, Dept Mech Engrn, Riyadh, Saudi Arabia	International Journal of Numerical Methods for Heat & Fluid Flow	2014	0.919	
40	NixCo _{1-x} alloy nanoparticle-doped carbon nanofibers as effective non-precious catalyst for ethanol oxidation	Barakat, Nasser A. M. Motlak, Moaaed Elzatahry, Ahmed A. Khalil, Khalil Abdelrazek Abdelghani, Emad A. M.	Menia Univ, Dept Chem Engrn, El Minia, Egypt Anbar Univ, Coll Sci, Dept Phys, Ramadi 31001, Iraq King Saud Univ, Dept Chem, Fac Sci, Riyadh, Saudi Arabia King Saud Univ, Dept Mech Engrn, Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Jan 2014	2.930	RGP-VPP-227

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
41	A TiO ₂ nanofiber/activated carbon composite as a novel effective electrode material for capacitive deionization of brackish water	El-Deen, Ahmed G. Choi, Jae-Hwan Khalil, Khalil Abdelrazek Almajid, Abdulhakim A. Barakat, Nasser A. M.	Chonbuk Natl Univ, Bio-Nanosyst Dept, Jeonju, South Korea Kongju Natl Univ, Dept Chem Engr, Chungnam, South Korea King Saud Univ, Dept Mech Engr, Riyadh 11421, Saudi Arabia	RSC Advances	2014	3.708	IRG14-11 KSU
42	Synthesis and characterization of Co-Mn-O nanofibers supported on a graphite disk: Novel strategy for nanofibers immobilization	Barakat, Nasser A. M. Elzatahry, Ahmed A. Khalil, Khalil Abdelrazek	Menia Univ, Fac Engr, Dept Chem Engr, El Minia, Egypt King Saud Univ, Fac Sci, Dept Chem, Riyadh, Saudi Arabia King Saud Univ, Dept Mech Engr, Riyadh, Saudi Arabia	Materials Research Bulletin	Jan 2014	1.968	RGP-VPP-227
43	Hollow carbon nanofibers as an effective electrode for brackish water desalination using the capacitive deionization process	El-Deen, Ahmed G. Barakat, Nasser A. M. Khalil, Khalil Abdelrazek Kim, Hak Yong	Chonbuk Natl Univ, Bio-Nanosyst Dept, Jeonju, South Korea Menia Univ, Fac Engr, Dept Chem Engr, El Minia, Egypt King Saud Univ, Dept Mech Engr, (NPST), Riyadh 11421, Saudi Arabia	New Journal of Chemistry	Jan 2014	3.159	NPST-11-NAN 1460-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
44	Thermal Performance Evaluation of Two Thermal Energy Storage Tank Design Concepts for Use with a Solid Particle Receiver-Based Solar Power Tower	El-Leathy, Abdelrahman Jeter, Sheldon Al-Ansary, Hany Abdel-Khalik, Said Roop, Jonathan Golob, Matthew Danish, Syed Alrished, Abdulaziz Djajadiwinata, Eldwin Al-Suhaibani, Zeyad	King Saud Univ, Dept Mech Engn, Riyadh 11421, Saudi Arabia Georgia Inst Technol, George W Woodruff Sch Mech Engn, Atlanta, GA 30332 USA King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh 11421, Saudi Arabia	Energies	Dec 2014	1.602	DSR-COE
45	Numerical Investigation & Comparison of a Tandem-Bladed Turbocharger Centrifugal Compressor Stage with Conventional Design	Danish, Syed Noman Qureshi, Shafiq Rehman El-Leathy, Abdelrahman Khan, Salah Ud-Din Umer, Usama Ma Chaochen	King Saud Univ, Dept Mech Engn, Riyadh, Saudi Arabia King Saud Univ, Sustainable Energy Technol Ctr (SET), Riyadh, Saudi Arabia Natl Univ Sci & Technol, PNS Jauhar, Karachi, Pakistan King Saud Univ, FAR-CAMT, Adv Mfg Inst, (CEREM), Riyadh, Saudi Arabia Beijing Inst Technol, Beijing 100081, Peoples R China	Journal of Thermal Science	Dec 2014	0.348	DSR-COE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
46	Unsteady natural convection in Al ₂ O ₃ -water nanoliquid filled in isosceles triangular enclosure with sinusoidal thermal boundary condition on bottom wall	Rahman, M. M. Oztop, Hakan F. Mekhilef, S. Saidur, R. Al-Salem, Khaled	Univ Malaya, Dept Elect Engn, Fac Engn, Kuala Lumpur 50603, Malaysia Firat Univ, Fac Technol, Dept Mech Engn, Elazig, Turkey Univ Malaya, Dept Mech Engn, , Kuala Lumpur, Malaysia King Saud Univ, Engn Coll, Dept Mech Engn, Riyadh 11451, Saudi Arabia	Superlattices and Microstructures	Mar 2014	1.979	
47	Poly-para-phenylene-copolymers (PPPs). Part 3: scratch and wear resistance	Almajid, A. Friedrich, K. Noll, A. Gyurova, L.	King Saud Univ, Coll Engn, Dept Mech Engn, CEREM, Riyadh 11421, Saudi Arabia Tech Univ Kaiserslautern, IVW GmbH, Inst Composite Mat, D-67663 Kaiserslautern, Germany	Plastics Rubber and Composites	May 2014	0.675	
48	Fabrication, Microstructure and Properties of Mechanically Alloyed and Electrochemically Etched Porous Ti-Y ₂ O ₃	Dewidar, Montasser Adamek, G. Jakubowicz, J. Khalil, Khalil AbdelRazik	Aswan Univ, Fac Energy Engn, Dept Mat & Mech Design, Aswan, Egypt Poznan Univ Tech, Inst Mat Sci & Engn, PL-60965 Poznan, Poland King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh 11421, Saudi Arabia	International Journal of Electrochemical Science	Dec 2014	1.956	RG 1435-001

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
49	Simultaneously developing laminar flow in an isothermal micro-tube with slip flow models	Loussif, Nizar Orfi, Jamel	Univ Monastir, Ecole Natl Ingenieur Monastir, Monastir, Tunisia King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Heat and Mass Transfer	Apr 2014	0.929	RGP-VPP-091
50	Thermo-mechanical responses of an aluminum alloy processed by equal channel angular pressing	Muneer Baig Ehab El-Danaf Jabair Ali Mohammad	Center of Excellence for Research in Engineering Material, King Saud University, Riyadh, Saudi Arabia King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Materials & Design	Jan 2014	3.171	NPST-10-ADV 1032-02.
51	Theoretical modeling and experimental realization of dynamically magnified thermoacoustic-piezoelectric energy harvesters	M. Nouh O. Aldraihem A. Baz	Mech Engr Dept, University of Maryland, College Park, MD 20742, USA King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Journal of Sound and Vibration	July 2014	1.857	NSTIP-10-ENE 1028-02.
52	Development and application of computational intelligence approaches for the identification of complex nonlinear systems	Ali Bolourchi Sami F. Masri Osama J. Aldraihem	University of Southern California, 3620 S. Vermont Ave., Los Angeles, CA, USA King Saud Univ, Coll Engr, Dept Mech Engr, Riyadh, Saudi Arabia	Nonlinear Dynamics	Sep 2014	2.419	KACST

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
53	Vibration Characteristics of Metamaterial Beams With Periodic Local Resonances	M. Nouh O. Aldraihem A. Baz	Mech Engn Dept, Univ of Maryland, College Park, MD 20742,USA King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Journal of Vibration and Acous- tics	Oct 2014	1.147	NSTIP - 10-ENE 1028-02
54	Piezo-driven thermoacoustic re- frigerators with dynamic magni- fiers	M. Nouh O. Aldraihem A. Baz	Mech Engn Dept, Univer- sity of Maryland, College Park, MD 20742, USA King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Applied Acoustics	Sep 2014	1.068	NSTIP -10-ENE 1028-02
55	Onset of Oscillations in Traveling Wave Thermo-Acoustic-Piezo- Electric Harvesters Using Circuit Analogy and SPICE Modeling	M. Nouh O. Aldraihem A. Baz	Mech Engn Dept, Univer- sity of Maryland, College Park, MD 20742, USA King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Journal of Dynamic Systems Measure- ment And Control- Transac- tions of the Asme	Aug 2014	1.039	NSTIP - 10-ENE 1028-02
56	J Integral Computation For Re- paired Cracks With Bonded Com- posite Patch In Aircraft Structures	Benyahia, F. Albedah, A. Bouiadjra, B. Bachir Belhouari, M.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	Proceed- ings of Advances in Fracture and Damage Mechanics Conference	2014	ISI Listed Confer- ence Proceed- ing	
57	The fracture strength of cry- omilled 99.7 Al nanopowders consolidated by high frequency induction sintering	El-Danaf, Ehab A. Baig, Muneer Almajid, Abdulhakim A. Soliman, Mahmoud S.	King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	6th Inter- national Conference on Nano- materials by Severe Plastic Deforma- tion	2014	ISI Listed Confer- ence Proceed- ing	

CIVIL ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Time-dependent variation of the electrochemical impedance for thermo-mechanically treated versus plain low alloy steel rebars in contact with simulated concrete pore solution	Hussain Raja Rizwan Alhozaimy Abdulrahman Al-Negheimish Abdulaziz Singh, D. D. N.	King Saud Univ, Coll Engn, Dept Civil Engn, CoE CRT Natl Met Lab, Corros & Surface Engn Div, Jamshedpur 7, Bihar, India	Construction and Building Materials	Dec 2014	2.265	NSTIP 09-NAN 674-02
2	Investigation of effect of fineness dependent volume of fine aggregate on passive layer formation and corresponding corrosion of steel reinforced concrete using electrochemical approach	Hussain, R. R. Alhozaimy, A. Al Negheimish, A.	King Saud Univ, Coll Engn, CoE CRT, Dept Civil Engn, Riyadh, Saudi Arabia	Corrosion Engineering Science and Technology	Dec 2014	0.494	NSTIP 09-NAN 674-02
3	Anaerobic Nitrogen, Sulfide, and Carbon Removal in Anaerobic Granular Bed Reactor	Ahmad Anwar O-Aljasser Abdulaziz	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	Environmental Progress & Sustainable Energy	Dec 2014	1.271	RGV- VPP-316
4	Is shrinking groundwater resources leading to socioeconomic and environmental degradation in Central Ganga Plain, India?	Ahmed, Izrar Al-Othman, Abdulaziz A. Umar, Rashid	King Saud Univ, Dept Civil Engn, Coll Engn, Riyadh, Saudi Arabia Aligarh Muslim Univ, Hydrogeol Div, Dept Geol, Aligarh 202002, Uttar Pradesh, India	Arabian Journal of Geosciences	Oct 2014	1.152	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
5	Evaluation of the bio-kinetics of cement kiln dust in an upflow anaerobic sludge blanket reactor for treatment of palm oil mill effluent as a function of hydraulic retention time	Ahmad Anwar Ghufuran Rumana	King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh 11421, Saudi Arabia Univ Malaysia Pahang, Fac Civil Engr & Earth Resources, Gambang 26300, Malaysia	Separation and Purification Technology	Sep 2014	3.534	RGV-VPP-316
6	Microstructure analyses of autoclaved ground dune sand-Portland cement paste	Alawad, O. A. Alhozaimey, A Jaafar, M. S. Al-Negheimish, A. Aziz, F. N. A.	King Saud Univ, Dept Civil Engr, Coll Engr, Riyadh, Saudi Arabia King Saud Univ, Ctr Excellence Concrete Res & Testing (CoE CRT), Coll Engr, Riyadh, Saudi Arabia	Construction and Building Materials	Aug 2014	2.265	KSU
7	Computer based estimation of backbone curves for hysteretic Response of reinforced concrete columns under static cyclic lateral loads	Rizwan, M. Chaudhary, M. T. A. Ilyas, M. Hussain, Raja Rizwan Stacey, T. R.	Univ Witwatersrand, Sch Min Engr, Johannesburg, South Africa Univ Engr & Technol, Dept Civil Engr, Lahore, Pakistan Al Imam Mohammad Ibn Saud Islamic Univ, Riyadh, Saudi Arabia King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh, Saudi Arabia	Computers and Concrete	Aug 2014	0.637	COE, KSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
8	The effect of curing time on the ASR expansion of different HPC composites	Fares, Galal Khan, M. Iqbal	King Saud Univ, Dept Civil Engrn, Coll Engrn, CoE CRT, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Dec 2014	2.265	
9	Parallel framework for earthquake induced response computation of the sdof structure	Hussain, Raja Rizwan Munir, Sarfraz Islam, A. B. M. Saiful	Hong Kong Polytech Univ, Kowloon, Hong Kong, Peoples R China King Saud Univ, Coll Engrn, Dept Civil Engrn, Riyadh, Saudi Arabia Univ Malaya, Dept Civil Engrn, Kuala Lumpur, Malaysia	Journal of Civil Engineering and Management	Aug 2014	1.372	
10	Evaluating the Use of Palm-Based Insulators for Reducing Peak Water Temperatures During Summer and for Saving Energy During Winter in Existing Overhead Storage Water Tanks	Fouli, Hesham Alshaikh, Abdulmohsen A Nurdin, J. Alam, Shamshad Alnaimat, Hamid	King Saud Univ, Coll Engrn, Dept Civil Engrn, Riyadh, Saudi Arabia King Abdulaziz Univ, Dept Civil Engrn, Fac Engrn, Jeddah 21413, Saudi Arabia King Saud Univ, Al Zamil Grp Res Chair Elect & Water Conservat, Riyadh, Saudi Arabia	Arabian Journal for Science and Engineering	Jun 2014	0.367	Al-Zamil Group Research Chair, COE
11	Remediation rates and translocation of heavy metals from contaminated soil through Parthenium hysterophorus	Ahmad, Anwar Al-Othman, Ahmed A. S.	King Saud Univ KSU, Dept Civil Engrn, Coll Engrn, Riyadh, Saudi Arabia King Saud Univ KSU, Dept Agr Engrn, Coll Food & Agr Sci, Riyadh, Saudi Arabia	Chemistry and Ecology	May 2014	1.188	RGV- VPP-316

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
12	Flexure strengthening of light-weight reinforced concrete beams using carbon fibre-reinforced polymers	Shannag M. Jamal Al-Akhras, Nabil M. Mahdawi, Sami F.	King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia Univ Dammam, Coll Engn, Dept Construct Engn, Dammam, Saudi Arabia Jordan Univ Sci & Technol, Dept Civil Engn, Irbid, Jordan	Structure and Infrastructure Engineering	May 2014	0.954	
13	Implication of rubber-steel bearing nonlinear models on soft storey structures	Islam, A. B. M. Saiful Hussain, Raja Rizwan Jumaat, Mohammed Zamin Darain, Kh Mahfuz Ud	Univ Malaya, Fac Engn, Dept Civil Engn, Kuala Lumpur, Malaysia King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia Khulna Univ, Architecture Discipline, Khulna, Bangladesh	Computers and Concrete	May 2014	0.637	
14	Unsaturated characteristics of undisturbed expansive shale from Saudi Arabia	Elkady, Tamer Y.	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Arabian Journal of Geosciences	May 2014	1.152	NPST 11- BUI 1901-02
15	Effect of Accelerated Loading on the Compressibility Characteristics of Lime-Treated Semiarid Soils	Moghal Arif Ali Baig Obaid, Ali Abdul Kareem Al-Refeai, Talal O.	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Journal of Materials in Civil Engineering	May 2014	1.322	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
16	Economical-Structural Performance of Steel Moment Resisting Building Frames Using the Section Variation Technique	Hussain Raja Rizwan Abbass, Wasim Siddiqi Zahid Ahmad Aslam Fahid	King Saud Univ, CoE CRT, Dept Civil Engn, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, CoE CRT, Dept Civil Engn, Riyadh 11421, Saudi Arabia Univ Engn & Technol, Dept Civil Engn, Lahore, Pakistan	Revista de la Construcción	May 2014	1.322	NPST11-BUI 1489 - 02
17	Modified perspective cylindrical map projection	Alashaikh, Ahmad H. Bilani, Hasan M. Alsalman, Abdullah S.	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Arabian Journal of Geosciences	Apr 2014	1.152	0.220 DSR-COE
18	Repair Vulnerability of Corrosion Patch Repairs at the Steel Intersection Areas of Reinforced Concrete Slabs Influenced by Harsh Weather	Wasim, Muhammad Hussain, Raja Rizwan Baloch, Muhammad Ali	King Saud Univ, Dept Civil Engn, Coll Engn, CoE CRT, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Mech Engn, Coll Engn, CEREM, Riyadh 11421, Saudi Arabia	Industrial & Engineering Chemistry Research	Feb 2014	2.235	DSR-COE
19	A novel approach for evaluating the concrete shear strength in reinforced concrete beams	Shuraim, Ahmed B.	King Saud Univ, Coll Engn, Dept Civil Engn, Riyadh, Saudi Arabia	Latin American Journal of Solids and Structures	Jan 2014	1.254	NPST ADV-1023

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
20	Experimental investigation of slender circular RC columns strengthened with FRP composites	Siddiqui, Nadeem A. Alsayed, Saleh H. Al-Salloum, Yousef A. Iqbal, Rizwan A. Abbas, Husain	King Saud Univ, Dept Civil Engrn, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Oct 2014	2.265	RGP-VPP-104
21	Reliability of RC shielded steel plates against the impact of sharp nose projectiles	Siddiqui, Nadeem A. Khateeb, Baha M. A. Almusallam, Tarek H. Al-Salloum, Yousef A. Iqbal, Rizwan A. Abbas, Husain	King Saud Univ, Dept Civil Engrn, Chair Res & Studies Strengthening & Rehabil Struc, Riyadh 11421, Saudi Arabia	International Journal of Impact Engineering	Jul 2014	2.010	RGP-VPP-310
22	Reliability of double-wall containment against the impact of hard projectiles	Siddiqui, Nadeem A. Khateeb, Baha M.A. Almusallam, Tarek H. Abbas, Husain	King Saud Univ, Dept Civil Engrn, Riyadh 11421, Saudi Arabia	Nuclear Engineering and Design	Apr 2014	0.972	RGP-VPP-310
23	Free vibration of tapered beams and plates based on unified beam theory	Ibrahim, Syed Muhammad Alsayed, Saleh H. Abbas, Husain Carrera, Erasmo Al-Salloum, Yousef A. Almusallam, Tarek	King Saud Univ, Dept Civil Engrn, Specialty Units Safety & Preservat Struct, Riyadh 11421, Saudi Arabia Politecn Torino, Dept Mech & Aerosp Engrn, Turin, Italy	Journal of Vibration and Control	Dec 2014	4.355	RGP- VPP-104

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
24	Prediction of Intermediate Crack Debonding Strain of Externally Bonded FRP Laminates in RC Beams and One-Way Slabs	Elsanadedy, H. M. Abbas, H. Al-Salloum, Y. A. Almusallam, T. H.	King Saud Univ, Dept Civil Engr, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Civil Engr, Specialty Unit Safety, Riyadh 11421, Saudi Arabia	Journal of Composites for Construction	Oct 2014	1.827	RGP- VPP- 310
25	Progressive collapse potential of a typical steel building due to blast attacks	Elsanadedy, H. M. Almusallam, T. H. Alharbi, Y. R. Al-Salloum, Y. A. Abbas, H.	King Saud Univ, Dept Civil Engr, MMB Chair Res & Studies Strengthening & Rehabil S, Riyadh 11421, Saudi Arabia	Journal of Construction and Steel Research	Oct 2014	1.370	RGP- VPP-104
26	Experimental and numerical investigation for compression response of CFRP strengthened shape modified wall-like RC column	Alsayed, S. H. Almusallam, T. H. Ibrahim, S. M. Al-Hazmi, N. M. Al-Salloum, Y. A. Abbas, H.	King Saud Univ, Dept Civil Engr, Specialty Unit Safety Struct, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Jul 2014	2.265	RGP- VPP-104
27	Effect of nano-metakaolin addition on the hydration characteristics of fly ash blended cement mortar	Morsy, M. S. Al-Salloum, Y. Almusallam, T. Abbas, H.	King Saud Univ, Dept Civil Engr, Specialty Unit Safety, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Civil Engr, Specialty Unit Preservat Struct, Riyadh, Saudi Arabia	Journal of Thermal Analysis and Calorimetry	May 2014	2.206	RGP- VPP-104
28	A novel application of red mud-iron on granulation and treatment of palm oil mill effluent using upflow anaerobic sludge blanket reactor	Ahmad, Anwar	King Saud Univ, Coll Engr, Dept Civil Engr, Riyadh 11421, Saudi Arabia	Environmental Technology	Nov 2014	1.197	RGP-VPP-316

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
29	Strengthening of structurally damaged wide shallow RC beams using externally bonded CFRP plates	Al-Zaid, Rajeh A. El-Sayed, Ahmed K. Al-Negheimish, Abdulaziz Shuraim, Ahmed B. Alhozaimy, Abdulrahman M.	King Saud Univ, Dept Civil Engrn, Riyadh, Saudi Arabia King Saud Univ, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia	Latin American Journal of Solids and Structures	Nov 2014	1.254	CoE-CRT KSU
30	Use of fine ground dune sand as a supplementary cementing material	Alhozaimy, Abdulrahman Alawad, Omer Abdalla Jaafar, Mohd Saleh Al-Negheimish, Abdulaziz Noorzaei, Jamaloddin	King Saud Univ, Civil Engrn Dept, Riyadh, Saudi Arabia Univ Putra Malaysia, Fac Engrn, Civil Engrn Dept, Upm Serdang 43400, Malaysia	Journal of Civil Engineering and Management	Feb 2014	1.372	KSU
31	Long-term behavior of wide shallow RC beams strengthened with externally bonded CFRP plates	El-Sayed, Ahmed K. Al-Zaid, Rajeh A. Al-Negheimish, Abdulaziz Shuraim, Ahmed B. Alhozaimy, Abdulrahman M.	King Saud Univ, Dept Civil Engrn, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Civil Engrn, Ctr Excellence Concrete Res & Testing, Riyadh 11421, Saudi Arabia	Construction and Building Materials	Jan 2014	2.265	CoE-CRT KSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
32	Role of Manganese Sulfide Inclusions in Steel Rebar in the Formation and Breakdown of Passive Films in Concrete Pore Solutions	Al-Negheimish, Abdulaziz Alhozaimy, Abdulrahman Hussain, Raja Rizwan Al-Zaid, Rajeh Singh, J. K. Singh, D. D. N.	King Saud Univ, Dept Civil Engr, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia Natl Met Lab, CSIR, Corros & Surface Engr Div, Jamshedpur 831007, Bihar, India	Corrosion	Jan 2014	2.908	NPST09-NAN 674-02
33	Effect of Simulated Concrete Pore Solution Chemistry, Chloride Ions, and Temperature on Passive Layer Formed on Steel Reinforcement	Alhozaimy, A. Hussain, R. R. Al-Negheimish, A. Al-Zaid, R. Singh, D. D. N.	King Saud Univ, Dept Civil Engr, Riyadh, Saudi Arabia CoE CRT, Ctr Excellence Concrete Res & Testing, Heatley, Qld, Australia King Saud Univ, Ctr Excellence Concrete Res & Testing, Riyadh, Saudi Arabia CSIR, Natl Met Lab, Corros & Surface Engr Div, Jamshedpur, Bihar, India	ACI Materials Journal	Jul 2014	1.123	NPST 09-NAN 674-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
34	Efficient design in building construction with rubber bearing in medium risk seismicity: case study and assessment	Islam, A. B. M. Saiful Ahmad, Syed Ishtiaq Jumaat, Mohd Zamin Hussain, Raja Rizwan Rahman, Muhd. Ashiqur Darain, Kh Mahfuz Ud	Univ Malaya, Dept Civil Engn, Kuala Lumpur, Malaysia Bangladesh Univ Engn & Technol, Dept Civil Engn, Dhaka, Bangladesh King Saud Univ, Dept Civil Engn, CoE CRT, Riyadh, Saudi Arabia Khulna Univ, Architecture Discipline, Khulna 9208, Bangladesh	Journal of Civil Engineering and Management	Sep 2014	1.372	
35	Validation of the Meteosat Second Generation (MSG) fire monitoring product using ground observations over Turkey	Sonmez, Ibrahim Tekeli, Ahmet Emre Erdi, Erdem Demir, Fatih Arslan, Murat	Ondokuz Mayis Univ, Dept Meteorol, Samsun, Turkey King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia Turkish State Meteorol Serv, Remote Sensing Div, Ankara, Turkey	Arabian Journal of Geosciences	Aug 2014	1.152	
36	Effect of Sodium Silicate to Sodium Hydroxide Ratios on Strength and Microstructure of Fly Ash Geopolymer Binder	Morsy, M. S. Alsayed, S. H. Al-Salloum, Y. Almusallam, T.	King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia King Saud Univ, Dept Civil Engn, Specialty Units Safety & Preservat Struct, Riyadh, Saudi Arabia	Arabian Journal for Science and Engineering	Jun 2014	0.367	RGP-VPP-310

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
37	Snow cover trend analysis using Interactive Multisensor Snow and Ice Mapping System data over Turkey	Sonmez, Ibrahim Tekeli, Ahmet Emre Erdi, Erdem	Ondokuz Mayis Univ, Dept Meteorol, Samsun, Turkey King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia Turkish State Meteorol Serv, Remote Sensing Div, Ankara, Turkey	International Journal of Climatology	Jun 2014	3.398	COE KSU
38	Developing Structural Lightweight Concrete Using Volcanic Scoria Available in Saudi Arabia	Shannag, M. Jamal Charif, Abdelhamid Dghaither, Saleh	King Saud Univ, Dept Civil Engn, Riyadh 11421, Saudi Arabia	Arabian Journal for Science and Engineering	May 2014	0.367	NPST10-ADV-1190-02
39	Seismic Evaluation of the ACI Code Provisions for Lap Splicing of Longitudinal Bars in R/C Rectangular Bridge Columns	Al Haddad, Mohd S. Elsanadedy, Hussein M. Iqbal, Rizwan A.	King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Arabian Journal for Science and Engineering	Apr 2014	0.367	SACEE ARAMCO
40	Applications of bridge information modeling in bridges life cycle	Marzouk, Mohamed M. Hisham, Mohamed Al-Gahtani, Khalid	Cairo Univ, Fac Engn, Dept Struct Engn, Cairo, Egypt King Saud Univ, Dept Civil Engn, Riyadh, Saudi Arabia	Smart Structures and Systems	Mar 2014	1.160	
41	Effect of longitudinal CFRP strengthening on the shear resistance of reinforced concrete beams	El-Sayed, Ahmed K.	King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, Riyadh 11421, Saudi Arabia	Composites Part B-Engineering	Mar 2014	2.602	NSTIP-10-BUI1191-02
42	Strut and tie modeling for RC short beams with corroded stirrups	El-Sayed, Ahmed K.	King Saud Univ, Dept Civil Engn, Ctr Excellence Concrete Res & Testing, Riyadh 11421, Saudi Arabia	Latin American Journal of Solids and Structures	2014	1.254	NSTIP-10-BUI1191-02

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
43	Ductility of reinforced light-weight concrete beams and columns	Charif, Abdelhamid Shannag, M. Jamal Dghaither, Saleh	King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia	Latin American Journal of Solids and Structures	2014	1.254	NPST-10-ADV 1190-02
44	Investigations on the influence of radial confinement in the impact response of concrete	Al-Salloum, Yousef Alsayed, Saleh Almusallam, Tarek Ibrahim, S.M. Abbas, H.	King Saud Univ, Dept Civil Engrn, Specialty Unit Safety Struct, Riyadh 11421, Saudi Arabia	Computers and Concrete	2014	0.637	NPSTADV 728-02
45	Experimental and FE study on RC one-way slabs upgraded with FRP composites	Hussein M. Elsanadedy Tarek H. Almusallam Saleh H. Alsayed Yousef A. Al-Salloum	Specialty Units for Safety and Preservation of Structures, King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia	KSCE Journal of Civil Engineering	Oct 2014	0.511	RGP-VPP-104
46	Closure to "Prediction of Intermediate Crack Debonding Strain of Externally Bonded FRP Laminates in RC Beams and One-Way Slabs	H. M. Elsanadedy H. Abbas, Y. A. Al-Salloum T. H. Almusallam	Specialty Units for Safety and Preservation of Structures, King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia	Journal of Composites for Construction, ASCE	Dec 2014	1.827	
47	Effect of CFRP and TRM strengthening of RC slabs on punching shear strength	Husain Abbas Aref A Abadel Tarek Almusallam Yousef Al-Salloum	Specialty Units for Safety and Preservation of Structures, King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia King Saud Univ, Dept Civil Engrn, Riyadh 11451, Saudi Arabia	Latin American Journal of Solids and Structures	Oct 2014	1.254	

INDUSTRIAL ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Extended elementary siphons and their application to liveness-enforcement of generalized petri nets	Hou, YiFan Li, ZhiWu Al-Ahmari, A. M. El-Tamimi, Abdul-Aziz Mohammed Nasr, Emad Abouel	Xidian Univ, Sch Electromech Engr, Xian 710071, Peoples R China King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh 11421, Saudi Arabia	Asian Journal of Control	Nov 2014	1.411 (JCR 2012)	NPST-12-ELE 2506-02
2	Artificial immunity to control disturbances in public transportation systems: Concepts, mechanisms and a prototype implementation of a knowledge based decision support system	Darmoul, Saber Elkosantini, Sabeur	King Saud Univ, Coll Engr, Dept Ind Engr, Riyadh 11421, Saudi Arabia Univ Tunis, ISG, SOIE Lab, Tunis, Tunisia	Knowledge-Based Systems	Sep 2014	3.058	
3	A versatile supervisor with one monitor based on macro-tokens	Wang, Qi Li, Zhiwu Wang, Anrong Al-Ahmari, A.M. El-Tamimi, A.Mohammed Nasr, Emad Abouel	Xidian Univ, Sch Electromech Engr, Xian 710071, Peoples R China King Saud Univ, Coll Engr, Dept Ind Engr, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	IMA Journal of Mathematical Control and Information	Jun 2014	0.967	NPST-12-ELE 2506-02
4	Nonpure Petri Net Supervisors for Optimal Deadlock Control of Flexible Manufacturing Systems (vol 43, pg 252, 2013)	Chen, YuFeng Li, ZhiWu Al-Ahmari, Abdulrahman	Xidian Univ, Sch Electromech Engr, Xian 710071, Peoples R China King Saud Univ, Coll Engr, FARCAMT, Riyadh 11421, Saudi Arabia	IEEE Transactions on Systems Man Cybernetics-Systems	Jun 2014	2.169	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
5	Fortifying Intrusion Detection Systems in Dynamic Ad Hoc and Wireless Sensor Networks	Derhab, Abdel-ouahid Bouras, Abdelghani Senouci, Mustapha Reda Imran, Muhammad	King Saud Univ, Riyadh 11543, Saudi Arabia King Saud Univ, Coll Engn, Ind Engn Dept, Riyadh 11421, Saudi Arabia Ecole Mil Polytech, Lab Res Artificial Intelligence, Algiers 16111, Algeria	International Journal of Distributed Sensor Networks	2014	0.923	
6	A generalized model for quantifying the impact of Ambient Intelligence on smart workplaces: Applications in manufacturing	Aly, Shady Pelikan, Martin Vrana, Ivan	Czech Univ Life Sci Prague, PEF, Dept Informat Engn, Prague 16521, Czech Republic King Saud Univ, Coll Engn, Industrial Engn Dept,, Riyadh 11451, Saudi Arabia	Journal of Ambient Intelligence and Smart Environments	2014	1.082	
7	The influence of surface topology on the quality of the point cloud data acquired with laser line scanning probe	Mannan, Mohd. Abdul Al-Ahmari, Abdulrahman M. Mian, Syed Ham-mad	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh, Saudi Arabia King Saud Univ, Adv Mfg Inst, (CEREM), Riyadh, Saudi Arabia	Sensor Review	2014	0.616	COE
8	Synchronous Routing for Personal Rapid Transit Pods	Mrad, Mehdi Chebbi, Olfa Labidi, Mohamed Louly, Mohamed Ali	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Arabia Univ Tunis, High Inst Management, Le Bardo 2000, Tunisia	Journal of Applied Mathematics	2014	0.720	RGP-VPP-296

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
9	Scheduling IT Staff at a Bank: A Mathematical Programming Approach	Labidi, M. Mrad, M. Gharbi, A. Louly, M. A.	King Saud Univ, Dept Ind Engrn, Coll Engrn, Riyadh 11421, Saudi Arabia	Scientific World Journal	2014	1.219	RGP-VPP-296
10	Application of neural network technique to high energy milling process for synthesizing ZnO nanopowders	Lemine, O. M Louly, M. A.	Alimam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Phys, Coll Sci, Riyadh, Saudi Arabia King Saud Univ, Dept Ind Engrn, Coll Engrn, Riyadh 11421, Saudi Arabia	Journal of Mechanical Science and Technology	2014	0.703	RGP-VPP-296
11	Enhance performance of inspection process on Coordinate Measuring Machine	Mian, Syed Hammad Al-Ahmari, Abdulrahman	King Saud Univ, Coll Engrn, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	Measurement	Jan 2014	1.526	Department/ KSU
12	Multi-objective optimization of oblique turning operations using finite element model and genetic algorithm	Umer, Usama Abu Qudeiri, Jaber Hussein, Hussein A. M. Khan, Awais Ahmed Al-Ahmari, Abdul-Rahman	King Saud Univ, Coll Engrn, Adv Mfg Inst, Riyadh, Saudi Arabia	International Journal of Advanced Manufacturing Technology	Mar 2014	1.779	
13	Efficient bounding schemes for the two-center hybrid flow shop scheduling problem with removal times.	Hidri, Lotfi Gharbi, Anis Louly, Mohamed Aly	Industrial Engineering Department, College of Engineering, King Saud University, P.O. Box 800, Riyadh 11421, Saudi Arabia.	The Scientific World Journal	2014	1.219	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
14	The airport gate assignment problem: a survey.	Bouras, Abdelghani Ghaleb, Mageed A Suryahatmaja, Umar S. Salem, Ahmed M.	Industrial Engineering Department, College of Engineering, King Saud University, P.O. Box 800, Riyadh 11421, Saudi Ara- bia.	The Scien- tific World Journal	2014	1.219	
15	An automatic fixture design sys- tem for creating prismatic parts	Al-Ahmari, A. Khan, A.A. Nasr, E.A. Kamrani, A.	King Saud University, Saudi Arabia University of Houston, USA	South African Journal of Industrial Engineer- ing	2014	0.107	
16	A Nurse Staffing Analysis at the Largest Hospital in the Gulf Re- gion	Louly, M. Gharbi, A. Azaiez, M. N. Bouras, A.	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11421, Saudi Ara- bia	Proceed- ings of the Inter- national Conference on Quantita- tive Sci- ences and Its Applica- tions	2014	ISI List- ed Con- ference Pro- ceeding	
17	A Feature Recognition System using Geometric Reasoning	Nasr, E. S. Abouel Khan, A. A. Alahmari, A. M. Hussein, H. M. A.	King Saud Univ, Coll Engn, Dept Ind Engn, Riyadh 11451, Saudi Ara- bia	Proceed- ings of the Inter- national Conference on Manu- facturing of Light- weight Compo- nents: Manulight	2014	ISI List- ed Con- ference Pro- ceeding	



PETROLEUM & NATURAL GAS ENGINEERING DEPARTMENT

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	CO2 mitigation strategy through geothermal energy, Saudi Arabia	Chandarasekhar-am, D. Aref, Lashin Nassir, Al Arifi	King Saud Univ, Petr & Nat Gas Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Geol & Geophys, Coll Sci, Riyadh 11451, Saudi Arabia Indian Inst Technol, Dept Earth Sci, Bombay 400076, Maharashtra, India	Renewable & Sustainable Energy Reviews	Oct 2014	5.510	RGP VPP-122
2	Geothermal energy resources of wadi Al-Lith, Saudi Arabia	Lashin, A Chandrasekharam, D Al Arifi, N. Al Bassam, A. Varun, C.	King Saud Univ, Petr & Nat Gas Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Geol & Geophys, Coll Sci, Riyadh 11451, Saudi Arabia GeoSyndicate Power Pvt Ltd, Bombay, Maharashtra, India	Journal of African Earth Sciences	Sep 2014	1.382	NPST-10-ENE 1043-02
3	Development of artificial neural network models for supercritical fluid solvency in presence of co-solvents	Shokir,E.M.El-Moghawry Al-Homadhi, Emad S. Al-Mahdy, Osama El-Midany, A. A.Hamid	Cairo Univ, Fac Engn, Min Petr & Met Dept, Giza 12211, Egypt King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, Riyadh, Saudi Arabia	Korean Journal of Chemical Engineering	Aug 2014	1.241	COE,KSU

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
4	Integrated NMR and Density Logs For Evaluation of Heterogeneous Gas-Bearing Shaly Sands	ElMahdy, O. A. Hamada, G. M.	King Saud Univ, Coll Engn, Petr & Nat Gas Engn Dept, Riyadh, Saudi Arabia UAE Univ, Fac Engn, Chem & Petr Engn Dept, Al Ain, U Arab Emirates	Petroleum Science and Technology	Apr 2014	0.338	
5	Geothermal energy potential of southwestern of Saudi Arabia «exploration and possible power generation»: A case study at Al Khouba area - Jizan	Lashin, Aref Al Arifi, Nassir	King Saud Univ, Petr & Gas Engn Dept, Coll Engn, Riyadh 11421, Saudi Arabia King Saud Univ, Dept Geol & Geophys, Coll Sci, Riyadh 11451, Saudi Arabia	Renewable & Sustainable Energy Reviews	Feb 2014	5.510	NPST-10-ENE1043-02
6	Reduction of Oil Content in Produced Oily Water Prior to Disposal	Alhomadhi, E.	King Saud Univ, Dept Petr Engn, Riyadh, Saudi Arabia	Oil Gas-European Magazine	Sep 2014	0.238	COE-KSU
7	New correlations of permeability and porosity versus confining pressure, cementation, and grain size and new quantitatively correlation relates permeability to porosity	AlHomadhi, Emad S.	King Saud Univ, Dept Petr Engn, Riyadh, Saudi Arabia	Arabian Journal of Geosciences	Jul 2014	1.152	
8	Evolution of geothermal systems around the Red Sea	D. Chandrasekharan A. Lashin N. Al Arifi A. A. Al Bassam C. Varun	College of Science, Geology & Geophysics Dept, King Saud University, Riyadh, Saudi Arabia Coll Engn, Petr & Nat Gas Engn Dept, King Saud Univ, Riyadh, Saudi Arabia GeoSyndicate Power Pvt. Ltd, Mumbai, India	Environmental Earth Sciences	Sep 2014	1.572	RGP-VPP-122



SET (SUSTAINABLE ENEREGY TECHNOLOGY CENTRE)

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Electromagnetic scattering from a plasma coated perfect electromagnetic conductor cylinder placed in chiral metamaterials	Yaqoob, M. Z. Ghaffar, A. Shakir, I. Naz, M. Y. Ahmed, S. Naqvi, Q. A.	GC Univ, Dept Phys, Faisalabad, Pakistan Univ Agr Faisalabad, Dept Phys, Faisalabad, Pakistan King Saud Univ, Sustainable Energy Technol Ctr SET, Riyadh 11451, Saudi Arabia Quaid I Azam Univ, Dept Elect, Islamabad, Pakistan	Optoelectronics and Advanced Materials-Rapid Communications	May 2014	0.449	RGP-VPP-312
2	A Convenient Method for the Synthesis of (Prop-2-Ynyloxy) Benzene Derivatives via Reaction with Propargyl Bromide, Their Optimization, Scope and Biological Evaluation	Batool, Tannaza Rasool, Nasir Gull, Yasmeen Noreen, Mnaza Nasim, Faiz-ul-Hasan Yaqoob, Asma Zubair, Muhammad Rana, Usman Ali Khan, Salah Ud-Din Zia-Ul-Haq, M. Jaafar, Hawa Z. E.	Department of Chemistry, University Faisalabad, Pakistan. Department of Chemistry, Islamia University of Bahawalpur, Pakistan. College of Engineering (SET), King Saud University, Riyadh, Saudi Arabia. The Patent Office, Karachi, Pakistan. Department of Crop Science, UPM Serdang, Selangor, Malaysia.	Plos One	Dec 2014	3.534	RGP-VPP-255

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
3	Layer by layer assembly of gold nanoparticles and graphene via Langmuir Blodgett method for efficient light-harvesting in photocatalytic applications	Shakir, Imran Ali, Zahid Kang, Dae Joon	College of Engineering (SET), King Saud University, Riyadh, Saudi Arabia. Sungkyunkwan Univ, SKKU Adv Inst Nanotechnol, Inst Basic Sci, BK Phys Res Div 21, Dept Energy Sci, Suwon 440746, South Korea	Journal of Alloys and Compounds	Dec 2014	2.726	RG-1435-312
4	Biophysical probing of antibacterial Gemifloxacin assimilated in surfactant mediated molecular assemblies	Nazar, Muhammad Faizan Mukhtar, Fareeha Chaudry, Sonam Ashfaq, Muhammad Mehmood, Sajid Asif, Awais Rana, Usman Ali	Univ Gujrat, Dept Chem, Gujrat 50700, Pakistan King Saud Univ, Coll Engrn (SET), Deanship Sci Res, Riyadh 11421, Saudi Arabia	Journal of Molecular Liquids	Dec 2014	2.083	RGP-VPP-255
5	Theoretical designing of novel heterocyclic azo dyes for dye sensitized solar cells	Mahmood, Asif Khan, Salah Ud-Din Rana, Usman Ali	Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan King Saud Univ, Coll Engrn (SET), Riyadh 11421, Saudi Arabia	Journal of Computational Electronics	Dec 2014	1.372	RGP-VPP-255

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
6	Probing the pH dependent electrochemistry of a novel quinoxaline carboxylic acid derivative at a glassy carbon electrode	Shah, Aamir Hassan Shah, Afzal Khan, Salah Ud-Din Rana, Usman Ali Hussain, Hidayat Khan, Sher Bahadar Qureshi, Rumana Badshah, Amin Waseem, Amir	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia Univ Nizwa, UoN Chair Omans Med Plants & Marine Nat Prod, Nizwa 616, Oman King Abdulaziz Univ, Dept Chem, Fac Sci, Jeddah 21589, Saudi Arabia	Electrochimica Acta	Nov 2014	4.086	RGP-VPP-255
7	Evaluation of Electrochemical Charge Storage Mechanism and Structural Changes in Intertwined MoO ₃ -MWCNTs Composites for Supercapacitor Applications	Shakir, Imran Sarfranz, Mansoor	King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia	Electrochimica Acta	Nov 2014	4.086	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
8	Coniothyren: a new phenoxy-phenyl ether from the endophytic fungus, Coniothyrium sp.	Hussain, Hidayat Kock, Ines Al-Harrasi, Ahmed Abbas, Ghulam Rehman, Najeeb Ur Shah, Afzal Badshah, Amin Rana, Usman Ali Noureen, Zakira Green, Ivan R. Draeger, Siegfried Schulz, B Krohn, Karsten	Univ Paderborn, Dept Chem, D-33098 Paderborn, Germany Univ Nizwa, UoN Chair Omans Med Plants & Marine Nat Prod, Nizwa , Oman CIIT Ctr Hlth Res, Dept Chem, Abbottabad , Pakistan Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia Univ Stellenbosch, Dept Chem & Polymer Sci, Matieland, South Africa Tech Univ Carolo Wilhelmina Braunschweig, Inst Microbiol, Germany	Journal of Asian Natural Products Research	Nov 2014	0.968	
9	Photocatalytic properties of single crystalline MoV2O8 nanowires	Shakir, Imran Shahid, Muhammad Sarfraz, Mansoor Ahmad, Iftikhar Al-Eshaikh, Mohd. A.	King Saud Univ, Coll Engn, SET Ctr, Riyadh 11421, Saudi Arabia King Saud Univ, CEREM, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	Optoelectronics and Advanced Materials- Rapid Communications	Nov 2014	0.449	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
10	Biological activity, pH dependent redox behavior and UV-Vis spectroscopic studies of naphthalene derivatives	Rauf, Abdur Subhan, Hanif Abbasi, Rashda Adhikari, Bima-lendu Shah, Aamir Hassan Rana, Usman Ali Abbas, Qamar Qureshi, Irfan Zia Hussain, Hidayat Mazhar, Kehkashan Badshah, Amin Kraatz, Heinz-Bernhard Shah, Afzal	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan Inst Biomed & Genet Engrn Islamabad, Islamabad, Pakistan Univ Toronto, Dept Phys & Environm Sci, Toronto, ON M1C 1A4, Canada King Saud Univ, Coll Engrn (SET), Deanship Sci Res, Riyadh 11421, Saudi Arabia Univ Nizwa, UoN Chair Omans Med Plants & Marine Nat Prod, Birkat Al Mauz 616, Nizwa, Oman	Journal of Photochemistry and Photobiology B-Biology	Nov 2014	2.803	RGP-VPP-345 RGP-VPP-355
11	Investigation of dielectric behavior of new Tb ³⁺ doped BiFeO ₃ nanocrystals synthesized via micro-emulsion route	Anwar, Z. Khan, M. Azhar Asghar, M. Sher, M. Shakir, I. Sarfraz, M. Warsi, M. Farooq	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan King Saud Univ, Coll Engrn (SET), Riyadh 11421, Saudi Arabia	Journal of Ovonic Research	Nov 2014	0.537	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
12	Redox Mechanism and Evaluation of Kinetic and Thermodynamic Parameters of 1,3-Dioxolo[4,5-g]pyrido[2,3-b]quinoxaline Using Electrochemical Techniques	Shah, Aamir Hassan Shah, Afzal Rana, Usman Ali Khan, Salah Ud-Din Hussain, Hidayat Khan, Sher Bahadar Qureshi, Rumana Badshah, Amin	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia Univ Nizwa, UoN Chair Omans Med Plants & Marine Nat Prod, Birkat Al Mauz 616, Nizwa, Oman King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah 21589, Saudi Arabia	Electroanalysis	Oct 2014	2.502	RGP-VPP-255
13	Encapsulation of Sorbitan Ester-Based Organogels in Alginate Microparticles	Sagiri, Sai S. Pal, Kunal Basak, Piyali Rana, Usman Ali Shakir, Imran Anis, Arfat	Natl Inst Technol, Dept Biotechnol & Med Engn, Rourkela 769008, India Jadavpur Univ, Sch Biosci & Engn, Kolkata 700032, India King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia King Saud Univ, SABIC Chair, Riyadh 11421, Saudi Arabia	Aaps Pharmscitech	Oct 2014	1.776	RGP-VPP-345

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
14	Synthesis, Characterization and Investigation of Different Properties of Three Novel Thiourea-Based Non-ionic Surfactants	Ullah, Imdad Shah, Afzal Badshah, Amin Rana, Usman Ali Shakir, Imran Khan, Asad Muhammad Khan, Shahan Zeb Zia-ur-Rehman	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia COMSATS Inst Informat Technol, Dept Chem, Abbottabad 22060, Kpk, Pakistan	Journal of Surfactants and Detergents	Sep 2014	1.352	RGP-VPP-312
15	Nanocrystalline $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Fe}_y\text{O}_3$ perovskites fabricated by the micro-emulsion route for high frequency response devices fabrications	Khan, Muhammad Azhar Khan, Kamran Mahmood, Azhar Murtaza, Gulam Akhtar, Majid Niaz Ali, Irshad Shahid, Muhammad Shakir, Imran Warsi, Muhammad Farooq	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Govt Coll Univ, Ctr Adv Studies Phys, Lahore 54000, Pakistan COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan Bahauddin Zakariya Univ, Dept Phys, Multan, Pakistan King Abdullah Univ Sci & Technol, Mat Sci & Engn Div, Thuwal, Saudi Arabia King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia CIIT Ctr Hlth Res, IRCBM, Lahore, Pakistan	Ceramics international	Sep 2014	2.086	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
16	Facile synthesis and enhanced photocatalytic activity of porous Sn/Nd-codoped TiO ₂ monoliths	Du, Jimin Wang, Zhiyong Zhao, Guoyan Qian, Yongteng Chen, Huijuan Yang, Jie Liu, Xinghui Li, Kaidi He, Chenxi Du, Weimin Shakir, Imran	Anyang Normal Univ, Sch Chem & Chem Engrn, Anyang, Henan Province, Peoples R China King Saud Univ, Coll Engrn (SET), Riyadh 11421, Saudi Arabia	Microporous and Mesoporous Materials	Sep 2014	3.200	RGP-VPP-312
17	Synthesis of novel hollow microflowers (NHMF) of Nb ₃ O ₇ F, their optical and hydrogen storage properties	Idrees, Faryal Cao, Chuanbao Butt, Faheem K. Tahir, Muhammad Shakir, Imran Rizwan, Muhammad Aslam, Imran Tanveer, M. Ali, Zulfiqar	Beijing Inst Technol, Res Ctr Mat Sci, Beijing 100081, Peoples R China King Saud Univ, Coll Engrn (SET), Riyadh 11421, Saudi Arabia	International Journal of Hydrogen Energy	Aug 2014	2.938	RGP-VPP-312
18	Synthesis, characterization of novel cyclohexenone derivatives and computation of their optical response	Badshah, Amir Nazar, Muhammad Faizan Mahmood, Asif Ahmed, Waqas Abdullah, Muhd. Imran Zafar, Muhd. Naveed Rana, Usman Ali	Univ Peshawar, Inst Chem Sci, Peshawar, Pakistan Univ Gujrat, Dept Chem, Gujrat, Pakistan Univ Sargodha, Dept Chem, Sargodha, Pakistan Univ Gujrat, Off Res Innovat & Commercializat, Gujrat 50700, Pakistan Univ Punjab, Inst Chem, Lahore, Pakistan King Saud Univ, Coll Engrn (SET), Riyadh, Saudi Arabia	Journal of Molecular Structure	Aug 2014	1.599	RGP-VPP-345

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
19	Testing of nickel-chrome alloy as a tip material for multi-tip langmuir probes	Naz, Muhammad Yasin Shukrullah, Shazia Ghaffar, Abdul Shakir, Imran Ullah, Sami Sagir, Muhammad	Univ Teknol PETRONAS, Dept Fundamental & Appl Sci, Tronoh 31750, Perak, Malaysia Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan King Saud Univ, Coll Engr (SET), Riyadh, Saudi Arabia Univ Teknol PETRONAS, Dept Chem Engr, Tronoh 31750, Perak, Malaysia	Surface Review and Letters	Aug 2014	0.367	RGP-VPP-312
20	Solubilization of reactive blue 19 by the micelles of cationic surfactant Cetyltrimethyl ammonium bromide (CTAB)	Ul Haq, Naveed Usman, Muhammad Mansha, Asim Rashid, Muhammad Abid Munir, Majid Rana, Usman Ali	Govt Coll Univ, Dept Chem, Faisalabad 38000, Pakistan Univ Agr Faisalabad, Dept Chem & Biochem, Faisalabad, Pakistan King Saud Univ, Coll Engr (SET), Riyadh 11421, Saudi Arabia	Journal of Molecular Liquids	Aug 2014	2.083	RGP-VPP-345

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
21	Influence of cobalt substitution on the magnetic properties of zinc nanocrystals synthesized via micro-emulsion route	Malik, Huma Mahmood, Azhar Mahmood, Khalid Lodhi, Maria Yousaf Warsi, Muhd. Farooq Shakir, Imran Wahab, Hassan Asghar, M. Khan, Muhammad Azhar	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engn (SET), Deanship Sci Res, Riyadh 11421, Saudi Arabia COMSATS Inst Informat Technol CIIT, Interdisci- plinary Res Ctr Biomed Mat, Lahore, Pakistan Pakistan Inst Nucl Sci & Technol, Div Phys, Islam- abad, Pakistan	Ceramics Interna- tional	Aug 2014	2.086	RGP-VPP-312
22	Conformal Coating of Cobalt-Nickel Layered Double Hydroxides Nanoflakes on Carbon Fibers for High-performance Electrochemical Energy Storage Supercapacitor Devices	Warsi, Muhd. Farooq Shakir, Imran Shahid, Muham- mad Sarfranz, Mansoor Nadeem, Muham- mad Gilani, Zaheer Abbas	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engn (SET), Deanship Sci Res, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Thuwal 239556900, Saudi Arabia Petr Dev Oman LLC, Prod Chem Dept, Muscat 100, Oman Balochistan Univ Infor- mat Technol Engn & Manageme, Dept Phys, Quetta 87300, Pakistan	Electro- chimica Acta	Jul 2014	4.086	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
23	Variation of Physico-Chemical Attributes of Seed Oil Between Two Developing Cultivars of Sesame Grown Under Similar Agro-climatic Conditions in Pakistan	Mahmood, Zahed Shahid, Shaukat Ali Shakir, Imran Latif, Shabnem	Univ Agr Faisalabad, Dept Chem & Biochem, Faisalabad 38040, Pakistan Univ Sargodha, Dept Chem, Sargodha 0100, Pakistan King Saud Univ, Sci Res Coll Engn(SET), Riyadh, Saudi Arabia Hajvery Univ, Dept Pharm, Lahore 54000, Pakistan	Asian Journal of Chemistry	Jul 2014	0.355	RGP-VPP-312
24	Electrical and field emission properties of single crystalline MoV2O8 nanowires	Shakir, Imran Shahid, Muhammad Sarfraz, Mansoor Warsi, Muhd. Farooq	King Saud Univ, Coll Engn (SET), Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Thuwal 239556900, Saudi Arabia Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan	Optoelectronics and Advanced Materials-Rapid Communications	Jul 2014	0.449	RGP-VPP-312
25	High Performance Flexible Pseudocapacitor based on Nano-architected Spinel Nickel Cobaltite Anchored Multiwall Carbon Nanotubes	Shakir, Imran	King Saud Univ, Coll Engn, SET Ctr, Riyadh 11451, Saudi Arabia	Electrochimica Acta	Jun 2014	4.086	DSR-COE
26	High Energy Density based Flexible Electrochemical Supercapacitors from Layer-by-Layer Assembled Multiwall Carbon Nanotubes and Graphene	Shakir, Imran	King Saud Univ, Coll Engn, SET Ctr, Riyadh 11421, Saudi Arabia	Electrochimica Acta	May 2014	4.086	COE-Research Center

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
27	New Mg _{0.5} CoxZn _{0.5} -xFe ₂ O ₄ nano-ferrites: Structural elucidation and electromagnetic behavior evaluation	Lodhi, Maria Yousaf Mahmood, Khalid Mahmood, Azhar Malik, Huma Warsi, Muhd. Farooq Shakir, Imran Asghar, M. Khan, Muhammad Azhar	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engr, SET Ctr, Riyadh 11421, Saudi Arabia	Current Applied Physics	May 2014	2.026	RGP-VPP-312
28	Synthesis, Characterization and Effect of a Solvent Mixture on the CMC of a Thio-Based Novel Cationic Surfactant Using a UV-Visible Spectroscopic Technique	Ullah, Imdad Ahmad, Khurshid Shah, Afzal Badshah, Amin Rana, Usman Ali Shakir, Imran Zia-ur-Rehman Khan, Shahan Zeb	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engr (SET) Ctr, Riyadh 11421, Saudi Arabia	Journal of Surfactants and Detergents	May 2014	1.352	
29	TbxBi ₁ -xFeO ₃ nano particulate multiferroics fabricated by micro-emulsion technique: Structural elucidation and magnetic behavior evaluation	Anwar, Zobia Khan, Muhammad Azhar Mahmood, Azhar Asghar, M. Shakir, Imran Shahid, Muhammad Bibi, Ismat Warsi, Muhammad Farooq	Islamia Univ Bahawalpur, Dept Phys, Bahawalpur 63100, Pakistan King Saud Univ, Coll Engr (SET) Ctr, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Mat Sci & Engr Div, Thuwal, Saudi Arabia	Journal of Magnetism and Magnetic Materials	Apr 2014	2.002	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
30	New multiferroics BiFe _{1-2x} Al _x Mn _x O ₃ nanoparticles: Synthesis and evaluation of various structural, physical, electrical, dielectric and magnetic parameters	Ahmad, Bashir Mahmood, Azhar Ashiq, Muhd. Naeem Malana, Muhd. Aslam Najam-UI-Haq, Muhd. Ehsan, Muhd. Fahad Warsi, Muhd. Farooq Shakir, Imran	Bahauddin Zakariya Univ, Inst Chem Sci, Multan 60800, Pakistan Islamia Univ, Dept Chem, Bahawalpur, Pakistan King Saud Univ, Coll Engn(SET) Ctr, Riyadh 11421, Saudi Arabia Sungkyunkwan Univ, Inst Basic Sci, Dept Energy Sci, BK Phys Res Div 21, Suwon 440746, South Korea	Journal of Alloys and Compounds	May 2014	2.726	RGP-VPP-312
31	Lithium niobate nanoflakes as electrodes for highly stable electrochemical supercapacitor devices	Liu, Jinglin Shakir, Imran Kang, Dae Joon	Sungkyunkwan Univ, SKKU Adv Inst Nanotechnol, Inst Basic Sci, Dept Phys, Suwon 440746, South Korea King Saud Univ, Coll Engn(SET) Ctr, Riyadh 11421, Saudi Arabia	Materials Letters	Mar 2014	2.269	RGP-VPP-312
32	Chemical composition and Biological studies of Ficus benjamina	Imran, Muhammad Rasool, Nasir Rizwan, Komal Zubair, Muhammad Riaz, Muhammad Zia-UI-Haq, Muhammad Rana, Usman Ali Nafady, Ayman Jaafar, Hawa Z. E.	Univ Faisalabad, Govt Coll, Dept Chem, Faisalabad 38000, Pakistan Patent Off, Karachi, Pakistan King Saud Univ, Coll Engn (SET) Ctr, Riyadh, Saudi Arabia King Saud Univ, Coll Sci, Dept Chem, Riyadh, Saudi Arabia Univ Putra Malaysia, Fac Agr, Dept Crop Sci, Selangor, Malaysia	Chemistry Central Journal	Feb 2014	1.663	RGP-VPP-236

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
33	New nanoparticulate Gd _{1-x} Zr _x Fe _{1-y} Mn _y O ₃ multiferroics: Synthesis, characterization and evaluation of electrical, dielectric and magnetic parameters	Sultan, Aneela Mahmood, A Mahmood, Azha Goraya, Nazia K. Qureshi, Ashfaq M. Ahmad, Iqbal Ashiq, Muhammad N. Shakir, Imran Warsi, Muhammad	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan Bahauddin Zakariya Univ, Inst Chem Sci, Multan 60880, Pakistan Univ Gujrat, Dept Chem, Gujrat, Pakistan King Saud Univ, Coll Engr (SET) Ctr, Riyadh, Saudi Arabia	Journal of Alloys and Compounds	Feb 2014	2.726	RGP-VPP-312
34	Impacts of Ni-Co substitution on the structural, magnetic and dielectric properties of magnesium nano-ferrites fabricated by micro-emulsion method	Ali, Rajjab Mahmood, Azhar Khan, Muhammad Azhar Chughtai, Adeel Hussain Shahid, Muhammad Shakir, Imran Warsi, Muhd. Farooq	Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan Bahauddin Zakariya Univ, Inst Chem Sci, Multan 6100, Pakistan Sungkyunkwan Univ, Dept Energy Sci, Suwon, South Korea King Saud Univ, Coll Engr (SET) Ctr, Riyadh, Saudi Arabia	Journal of Alloys and Compounds	Jan 2014	2.726	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
35	Influence of Cd substitution on structural, electrical and magnetic properties of M-type barium hexaferrites co-precipitated nanomaterials	Din, Muhammad F. Ahmad, Ishtiaq Ahmad, Mukhtar Farid, M. T. Iqbal, M. Asif Murtaza, G. Akhtar, Majid Niaz Shakir, Imran Warsi, Muhd. Farooq Khan, Muhammad Azhar	Bahauddin Zakariya Univ, Dept Phys, Multan 60800, Pakistan Govt Coll Univ, Ctr Adv Studies Phys, Lahore 54000, Pakistan COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan King Saud Univ, Coll Engrn (SET) Ctr, Riyadh 11421, Saudi Arabia Islamia Univ Bahawalpur, Dept Chem, Bahawalpur 63100, Pakistan NUST Coll Elect & Mech Engrn, Islamabad, Pakistan	Journal of Alloys and Compounds	Jan 2014	2.726	RGP-VPP-312
36	Synthesis, Spectroscopic Characterization and pH Dependent Electrochemical Fate of Two Non-Ionic Surfactants	Munir, Azeema Ullah, Imdad Shah, Afzal Rana, Usman Ali Khan, Salah Ud-Din Adhikari, Bima-lendu Shah, Syed Mujtaba Khan, Sher Bahadar Kraatz, Heinz-Bernhard Badshah, Amin	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan Univ Toronto, Dept Phys & Environm Sci, Scarborough, ON M1C 1A4, Canada King Saud Univ, Coll Engrn (SET) Ctr, Riyadh 11421, Saudi Arabia King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah 21589, Saudi Arabia	Journal of the Electrochemical Society	2014	2.859	RGP-VPP-255

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
37	Thermodynamic and Spectroscopic Investigation of Interactions between Reactive Red 223 and Reactive Orange 122 Anionic Dyes and Cetyltrimethyl Ammonium Bromide (CTAB) Cationic Surfactant in Aqueous Solution	Irfan, Muhammad Usman, Muhammad Mansha, Asim Rasool, Nasir Ibrahim, Muhammad Rana, Usman Ali Siddiq, Mohammad Zia-Ul-Haq, Muhammad Jaafar, Hawa Z. E. Khan, Salah Ud-Din	Govt Coll Univ, Dept Chem, Faisalabad 38000, Pakistan King Saud Univ, Coll Engn(SET), Ctr, Riyadh 11421, Saudi Arabia Patent Off, Karachi 74400, Pakistan Univ Putra Malaysia, Fac Agr, Dept Crop Sci, Serdang 43400, Selangor, Malaysia	Scientific World Journal	2014	1.219	RGP-VPP-345
38	Green Synthesis of Silver Nanoparticles: Structural Features and In Vivo and In Vitro Therapeutic Effects against Helicobacter pylori Induced Gastritis	Amin, Muhammad Hameed, Sadaf Ali, Asghar Anwar, Farooq Shahid, Shaukat Ali Shakir, Imran Yaqoob, Aqdas Hasan, Sara Khan, Safyan Akram Sajjad-ur-Rahman	Univ Sargodha, Dept Chem, Sargodha 40100, Pakistan Salman bin Abdulaziz Univ, Coll Pharm, Al Kharj 11942, Saudi Arabia Univ Agr Faisalabad, Dept Phys, Faisalabad 38040, Pakistan King Saud Univ, Dean-ship Sci Res Coll Engn(SET), Ctr Riyadh, Saudi Arabia King Fahd Univ Petr & Minerals, Ctr Excellence Nanotechnol Res Inst, Dhahran, Saudi Arabia	Bioinorganic Chemistry and Applications	2014	1.661	RGP-VPP-312

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
39	pH-dependent redox mechanism and evaluation of kinetic and thermodynamic parameters of a novel anthraquinone	Ahmad, Khurshid Shah, Aamir Hassan Adhikari, Bima-lendu Rana, Usman Ali Uddin, Syed Noman Vijayaratnam, Chandrika Muhammad, Niaz Shujah, Shaikat Rauf, Abdur Hussain, Hidayat Badshah, Amin Qureshi, Rumana Kraatz, Heinz-Bernhard Shah, Afzal	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan Univ Toronto, Dept Phys & Environm Sci, Toronto, ON M1C 1A4, Canada King Saud Univ, Coll Engn(SET), Ctr Riyadh, Saudi Arabia Abdul Wali Khan Univ Mardan, Dept Chem, Mardan, Pakistan Kohat Univ Sci & Technol, Dept Chem, Kohat, Pakistan Univ Nizwa, UoN Chair Omans Med Plants & Marine Nat Prod, Birkat Al Mauz 616, Nizwa, Oman	RSC Advances	2014	3.778	RGP-VPP-345
40	Polyaniline-wrapped 1D Co-MoO ₄ center dot 0.75H(2)O nanorods as electrode materials for supercapacitor energy storage applications	Mandal, Manas Ghosh, Debasis Giri, Soumen Shakir, Imran Das, Chapal Kumar	Indian Inst Technol, Ctr Mat Sci, Kharagpur 721302, W Bengal, India King Saud Univ, Coll Engn(SET), Ctr Riyadh, Saudi Arabia	RSC Advances	2014	3.788	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
41	Detailed Electrochemistry of the Environmental Toxin Ethylene Diamine	Munir, Azeema Shah, Afzal Shah, Aamir Hassan Rana, Usman Ali Adhikari, Bimalendu Khan, Sher Bahadar Qureshi, Rumana Kraatz, Heinz-Bernhard	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan Univ Toronto Scarborough, Dept Phys & Environm Sci, Toronto, ON M1C 1A4, Canada King Saud Univ, Coll Engn (SET), Ctr, Riyadh 11421, Saudi Arabia King Abdulaziz Univ, Fac Sci, Dept Chem, Jeddah 21589, Saudi Arabia	Journal of the Electrochemical Society	2014	2.859	RGP-VPP-345
42	Antioxidant And Antimicrobial Study of Various Parts of Achillea Wilhelmsii (A Medicinal Plant)	Asghar, M. Rasool, N. Riaz, M. Abass, M. Mustafa, A. U. Adeel, H. M. Zubair, M. Tareen, R. B. Rana, U. A. Ansari, A. R.	Govt Coll Univ, Dept Chem, Faisalabad 38000, Pakistan Univ Sargodha, Dept Chem, Faisalabad 38000, Pakistan Univ Agr Faisalabad, Dept Chem & Biochem, Faisalabad 38040, Pakistan Univ Baluchistan, Dept Bot, Quetta, Baluchistan, Pakistan King Saud Univ, Coll Engn (SET), Ctr, Riyadh, Saudi Arabia Independent Univ Hosp, Faisalabad 38000, Pakistan	Oxidation Communications	2014	0.507	RGP-VPP-345

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
43	Synthesis, spectroscopic characterization, pH dependent redox mechanism and DNA binding behavior of chlorohydroxyaniline derivatives	Shahzad, Suniya Shah, Afzal Sirajuddin, Muhammad Adhikari, Bima-lendu Ahmad, Khurshid Rana, Usman Ali Ali, Saqib Khan, Gul Shahzada Qureshi, Rumana Kraatz, Heinz-Bernhard	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan Univ Toronto, Dept Physiol & Environm Sci, Toronto, Canada King Saud Univ, Coll Engn (SET), Ctr, Riyadh, Saudi Arabia Shaheed Benazir Bhutto Univ, Dept Chem, Khyber Pakhtunkhwa, Pakistan	RSC Advances	2014	1.847	RGP-VPP-345
44	Probing of the pH-Dependent Redox Mechanism of a Biologically Active Compound, 5,8-Dihydroxynaphthalene-1,4-dione	Munir, Shamsa Shah, Afzal Rana, Usman Ali Shakir, Imran Zia-ur-Rehman Shah, Syed Mujtaba	Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan King Saud Univ, Coll Engn (SET), Ctr, Riyadh 11421, Saudi Arabia	Australian Journal of Chemistry	2014	1.644	RGP-VPP-312
45	Boron-Doped Diamond (BDD) Coatings Protect Underlying Silicon in Aqueous Acidic Media-Applcation to the Hydrogen Evolution Reaction	Halima, A. F. Rana, U. A. MacFarlane, D. R.	Monash Univ, Sch Chem, Australian Ctr Electromat Sci, Clayton, Vic 3800, Australia King Saud Univ, Coll Engn, Sustainable Energy Technol SET Ctr, Riyadh 11421, Saudi Arabia	Electrochimica Acta	2014	4.086	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
46	In situ hydrogenation of molybdenum oxide nanowires for enhanced supercapacitors	Shakir, Imran Shahid, Muhammad Rana, Usman Ali Warsi, Muhd. Farooq	Sungkyunkwan Univ, SKKU Adv Inst Nanotechnol, Suwon 440746, South Korea King Saud Univ, Coll Engrn, SET Ctr, Riyadh 11421, Saudi Arabia King Abdullah Univ Sci & Technol, Thuwal, Saudi Arabia Islamia Univ Bahawalpur, Dept Chem, 63100, Pakistan	RSC Advances	2014	3.708	RGP-VPP-312
47	Single crystalline LiNb3O8 nanoflakes for efficient photocatalytic degradation of organic pollutants	Liu, Jingling Shakir, Imran Kang, Dae Joon	Sungkyunkwan Univ, SKKU Adv Inst Nanotechnol, Dept Phys, Suwon 440746, South Korea King Saud Univ, Coll Engrn, SET Ctr, Riyadh 11421, Saudi Arabia	RSC Advances	2014	3.788	RGP-VPP-312
48	Proton transport behaviour and molecular dynamics in the guanidinium triflate solid and its mixtures with triflic acid	Zhu, Haijin Rana, Usman Ali Ranganathan, Vijayraghavan Jin, Liyu O'Dell, Luke A. MacFarlane, Douglas R. Forsyth, Maria	Deakin Univ, Inst Frontier Mat, Geelong, Vic 3216, Australia Saud Univ, Coll Engrn, SET Ctr, Riyadh 11421, Saudi Arabia Monash Univ, Dept Chem, Clayton, Vic 3800, Australia	Journal of Materials Chemistry A	2014	0.0	ISI listed

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
49	Estimation of Intervention Distances for Urgent Protective Actions Using Comparative Approach of MACCS and InterRAS	Hussain, Mazzammal Khan, Salah Ud-Din Syed, Waqar A. Adil Khan, Shahab Ud-Din	Int Islamic Univ, Fac Basic & Appl Sci, Dept Phys, Islamabad 44000, Pakistan King Saud Univ, Coll Engn, SET, Riyadh 11421, Saudi Arabia Chinese Acad Sci, Inst Plasma Phys, Tokamak Design Div, Hefei 230031, Anhui, Peoples R China	Science and Technology of Nuclear Installations	2014	0.343	RGPVPP-255
50	A Comprehensive Study of the Impacts of PHEVs on Residential Distribution Networks	ElNozahy, Mohamed S. Salama, Magdy M. A.	Univ Waterloo, Dept Elect & Comp Engn, Waterloo, ON N2L 3G1, Canada King Saud Univ, Riyadh, Saudi Arabia	IEEE Transactions on Sustainable Energy	Jan 2014	3.842	

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ENGINEERING MATERIAL)

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Nanostructuration and band gap emission enhancement of ZnO film via electrochemical anodization	Achour, A. Soussou, M. A. Aissa, K. Ait Islam, M. Barreau, N. Faulques, E. Le Brizoual, L. Djouadi, M. A. Boujtita, M.	CNRS, LAAS, F- Toulouse, France Univ Gabes, LaPhyMNE, Zrig 6072, Gabes, Tunisia Univ Poitiers, IC2MP, UMR 7285, F-86022 Poitiers, France Univ Nantes, CNRS, Inst Mat Jean Rouxel, Nantes , France King Saud Univ, Coll Engr (CEREM), Riyadh 11421, Saudi Arabia Univ Rennes 1, Inst Elect & Telecommun, CNRS,Rennes, France	Thin Solid Films	Nov 2014	1.067	RGP-VPP-283
2	Residual strain and electrical resistivity dependence of molybdenum films on DC plasma magnetron sputtering conditions	Khan, Majid Islam, Mohammad Akram, Aftab Qi, Zeming Li, Liangbin	Univ Sci & Technol China, Natl Synchrotron Radiat Lab, Peoples R China Univ Sci & Technol China, Sch Nucl Sci & Technol, CAS Key Lab Soft Matter Chem, Peoples R China King Saud Univ, Coll Engr (CEREM), Riyadh 11421, Saudi Arabia Natl Univ Sci & Technol, Sch Chem & Mat Engr, Islamabad 44000, Pakistan	Materials Science in Semiconductor Processing	Nov 2014	1.761	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
3	A conventional synthesis approach to prepare lead sulfide (pbs) nanoparticles via solvothermal method	Karim, M. Rezaul Aktaruzzaman, M. D. Ashrafuzzaman, M. Zaman, M. D. Badruz	King Saud Univ, Coll Engn, Ctr Excellence Res Engn Mat, (CEREM), Riyadh 11421, Saudi Arabia Univ Kebangsaan Malaysia, Solar Energy Res Inst, Selangor, Malaysia King Saud Univ, Coll Sci, Dept Biochem, Riyadh, Saudi Arabia	Chalcogenide Letters	Oct 2014	1.184	NSTIP-12-MED 2670-02
4	Analysis on Multiple Perforated Plate Sound Absorber Made of Coir Fiber	Ayub, Md. Fouladi, Mohd. Hosseini Ghassem, Mas-omeh Nor, Mohd Jailani Mohd Najafabadi, Hamidreza S. Amin, Nowshad Zulkifli, Rozli	Univ Kebangsaan Malaysia, Dept Mech & Mat Engn, Bangi Selangor, Malaysia Univ Adelaide, Sch Mech Engn, Adelaide, SA 5005, Australia Taylors Univ, Sch Engn, Subang Jaya Selangor, Malaysia Iran Univ Sci & Technol, Sch Ind Engn, Tehran, Iran King Saud Univ, Coll Engn, (CEREM), Riyadh, Saudi Arabia	International Journal of Acoustics and Vibration	Sep 2014	0.366	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
5	Solution processing of cadmium sulfide buffer layer and aluminum-doped zinc oxide window layer for thin films solar cells	Alam, Mahboob Islam, Mohammad Achour, Amine Hayat, Ansar Ahsan, Bilal Rasheed, Haroon Salam, Shahzad Mujahid, Mohammad	Natl Univ Sci & Technol, Sch Chem & Mat Engn, Islamabad 44000, Pakistan King Saud Univ, Coll Engn (CEREM), Riyadh, Saudi Arabia LAAS CNRS, ISGE, Toulouse, France Tsinghua Univ, Dept Mat Sci & Engn, State Key Lab New Ceram & Fine Proc, Beijing, Peoples R China	Surface Review and Letters	Aug 2014	0.367	RGP-VPP-283
6	A Comparative Study on the Electrochemical Corrosion Behavior of Iron and X-65 Steel in 4.0 wt % Sodium Chloride Solution after Different Exposure Intervals	Sherif, El-Sayed M.	King Saud Univ, Coll Engn (CEREM), Riyadh, Saudi Arabia	Molecules	Jul 2014	2.095	RGP-VPP-160
7	Thermoelectric Potential of Polymer-Scaffolded Ionic Liquid Membranes	Datta, R. S. Said, S. M. Sahamir, S. R. Karim, M. R. Sabri, M. F. M. Nakajo, T. Kubouchi, M. Hayashi, K. Miyazaki, Y.	Univ Malaya, Fac Engn, Dept Elect Engn, Kuala Lumpur 50603, Malaysia King Saud Univ, Coll Engn, (CEREM), Riyadh, Saudi Arabia Tohoku Univ, Dept Appl Phys, Sendai, Miyagi 980, Japan	Journal of Electronic Materials	Jun 2014	1.675	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
8	Environmental dynamics and engineered systems for the degradation of trichloroethylene: a critical review	Amin, M. T. Hamid, S. Alazba, A. A. Amin, M. N. Islam, M. Manzoor, U.	King Saud Univ, Riyadh 11451, Saudi Arabia King Faisal Univ, Coll Engn, Dept Civil & Environm Engn, , Al Ahsa, Saudi Arabia King Saud Univ, Coll Engn (CEREM), Riyadh, Saudi Arabia	Global Nest Journal	May 2014	0.660	RGP-VPP-283
9	Polyamide-6-based composites reinforced with pristine or functionalized multi-walled carbon nanotubes produced using melt extrusion technique	Mahmood, Nasir Islam, Mohammad Hameed, Asad Saeed, Shaukat Khan, Ahmad Nawaz	Peking Univ, Dept Adv Mat & Nanotechnol, Coll Engn, Beijing 100871, Peoples R China NUST, SCME, Islamabad, Pakistan King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat (CEREM), Riyadh 11421, Saudi Arabia PIEAS, Dept Met & Mat Engn, Islamabad, Pakistan	Journal of Composite Materials	May 2014	1.257	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
10	Influence of the solvent environments on the spectral features of CdSe quantum dots with and without ZnS shell	Ibnaouf, K. H. Prasad, Saradh Al Salhi, M. S. Hamdan, A. Zaman, M. B. El Mir, L.	Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Phys, Coll Sci, Riyadh 11623, Saudi Arabia King Saud Univ, Dept Phys & Astron, Coll Sci, Riyadh, Saudi Arabia King Saud Univ, Res Chair Laser Diag Canc, Riyadh, Saudi Arabia King Saud Univ, Coll Engr, CEREM, Riyadh 11451, Saudi Arabia Adv Med Res Inst Canada, Sudbury, ON, Canada	Journal of Luminescence	May 2014	2.367	
11	Study on the Transfer Film Layer in Sliding Contact Between Polymer Composites and Steel Disks Using Nanoindentation	Chang, Li Friedrich, Klaus Ye, Lin	Univ Sydney, Sch Aerosp Mech & Mechatron Engr, Ctr Adv Mat Technol, Sydney, NSW 2006, Australia Univ Kaiserslautern, Inst Composite Mat, Kaiserslautern, Germany King Saud Univ, Coll Engr, CEREM, Riyadh, Saudi Arabia	Journal of Tribology-Transactions of the Asme	Apr 2014	0.897	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
12	Corrosion and Corrosion Inhibition of Mild Steel in Groundwater at Different Temperatures by Newly Synthesized Benzotriazole and Phosphono Derivatives	Gopi, D. Sherif, El-Sayed M. Manivannan, V. Rajeswari, D. Surendiran, M. Kavitha, L.	Periyar Univ, Dept Chem, Salem 636011, Tamil Nadu, India King Saud Univ, Adv Mfg Inst, (CEREM), Riyadh, Saudi Arabia NRC, Dept Phys Chem, Electrochem & Corros Lab, Cairo 12622, Egypt Paavai Coll Engn, Dept Chem, Namakkal, Tamil Nadu, India Cent Univ Tamilnadu, Sch Basic & Appl Sci, Dept Phys, Thiruvavur, Tamil Nadu, India	Industrial & Engineering Chemistry Research	Mar 2014	2.235	
13	Photoluminescence spectra of CdSe/ZnS quantum dots in solution	Ibnaouf, K. H. Prasad, Saradh Hamdan, A. AlSalhi, M. Aldwayyan, A. S. Zaman, M. B. Masilamani, V.	Al Imam Mohammad Ibn Saud Islamic Univ IMSIU, Dept Phys, Coll Sci, Taipei 11623, Taiwan King Saud Univ, Res Chair Laser Diag Canc, Riyadh 11451, Saudi Arabia King Saud Univ, Coll Sci, Dept Phys & Astron, Riyadh 11451, Saudi Arabia King Saud Univ, Coll Engn, CEREM, Riyadh, Saudi Arabia Adv Med Res Inst Canada, Sudbury, ON, Canada	Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy	Mar 2014	2.129	DSR-COE

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
14	Comparing bond formation mechanism between similar and dissimilar aluminium alloy friction welds	Ashfaq, M. Rao, K. J.	King Saud Univ, Coll Engn, Adv Mfg Inst, (CEREM), Riyadh, Saudi Arabia Tata Projects Ltd, Qual Serv Div Begumpet, Hyderabad 500016, Andhra Pradesh, India	Materials Science and Technology	Mar 2014	0.804	
15	Removal of Micrometer Size Morphological Defects and Enhancement of Ultraviolet Emission by Thermal Treatment of Ga-Doped ZnO Nanostructures	Manzoor, Umair Kim, Do K. Islam, Mohammad Bhatti, Arshad S.	King Saud Univ, Alamo-oudi Water Chair, Riyadh, Saudi Arabia COMSATS Inst Informat Technol, Ctr Micro & Nano Devices, Dept Phys, Islamabad, Pakistan Korea Adv Inst Sci & Technol KAIST, Dept Mat Sci & Engn, Taejon, South Korea King Saud Univ, Coll Engn (CEREM), Riyadh, Saudi Arabia	Plos One	Jan 2014	3.534	RGP-VPP-283

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
16	Evaluation of the mechanical and corrosion protection performance of electrodeposited hydroxyapatite on the high energy electron beam treated titanium alloy	Gopi, D. Sherif, El-Sayed M. Rajeswari, D. Kavitha, L. Pramod, R. Dwivedi, Jishnu Polaki, S. R.	Periyar Univ, Dept Chem, Salem 636011, Tamil Nadu, India King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat, (CEREM), Riyadh 11421, Saudi Arabia Cent Univ Tamil Nadu, Sch Basic & Appl Sci, Dept Phys, Thiruvavur, Tamil Nadu, India Raja Ramanna Ctr Adv Technol, Indore, Madhya Pradesh, India Indira Gandhi Ctr Atom Res, Mat Sci Grp, Surface & Nanosci Div, Kalpakam 603102, Tamil Nadu, India	Journal of Alloys and Compounds	Dec 2014	2.726	
17	Experimental and theoretical investigations on the inhibition of mild steel corrosion in the ground water medium using newly synthesised bipodal and tripodal imidazole derivatives	Gopi, D. Sherif, El-Sayed M. Surendiran, M. Jothi, M. Kumaradhas, P. Kavitha, L.	Periyar Univ, Dept Chem, Salem 636011, Tamil Nadu, India King Saud Univ, Adv Mfg Inst, CEREM, Riyadh 11421, Saudi Arabia Periyar Univ, Dept Phys, Salem 636011, Tamil Nadu, India Cent Univ Tamilnadu, Sch Basic & Appl Sci, Dept Phys, Thiruvavur 610101, Tamil Nadu, India	Materials Chemistry and Physics	Oct 2014	2.129	

S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
18	Effects of cobalt and cobalt oxide buffer layers on nucleation and growth of hot filament chemical vapor deposition diamond films on silicon (100)	Dar, Mushtaq Ahmad Abuhimd, Hatem Ahmad, Iftikhar Islam, Mohammad Karim, Mohammad Rezaul Shin, Hyung-Shik	King Saud Univ, CEREM, Adv Mfg Inst, Riyadh 11421, Saudi Arabia King Abdulaziz City Sci & Technol, Natl Nanotechnol Ctr, Riyadh 11442, Saudi Arabia Chonbuk Natl Univ, Sch Chem Engn, Jeonju 561756, South Korea Korean Journal of Chemical Engineering	Jul 2014	1.241	KACST	
19	High temperature oxidation behavior of aluminide on a Ni-based single crystal superalloy in different surface orientations	Latief, Fahanasyah H. Kakehi, Koji Sherif, El-Sayed M.	Tokyo Metropolitan Univ, Dept Mech Engn, Hachioji, Tokyo 1920397, Japan King Saud Univ, CEREM, Adv Mfg Inst, Riyadh 11421, Saudi Arabia	Progress in Natural Science-Materials International	Apr 2014	1.143	
20	Corrosion inhibition in 2.0 M sulfuric acid solutions of high strength maraging steel by aminophenyl tetrazole as a corrosion inhibitor	Sherif, El-Sayed M.	King Saud Univ, Adv Mfg Inst, Ctr Excellence Res Engn Mat (CEREM), Riyadh 11421, Saudi Arabia	Applied Surface Science	Feb 2014	2.538	RGP-VPP-160



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S. No.	Title of the Paper	Author Name(s)	Author's Affiliation(s)	Journal Name	Date	Impact Factor	Grant Number
1	Design, Optimization and Fabrication of a 28.3 THz Nano-Rectenna for Infrared Detection and Rectification	Gadalla, M. N. Abdel-Rahman, M. Shamim, Atif	King Abdullah Univ Sci & Technol, IMPACT Lab, Comp Elect & Math Sci & Engrn Div, Thuwal 239556900, Saudi Arabia King Saud Univ, Coll Engrn, PSATRI, Riyadh, Saudi Arabia	Scientific Reports	Mar 2014	5.078	NSTIP-09-NAN 861-02
2	Noise Response and Stability in Injection Locked Semiconductor Ring Laser	Memon, M. I. Fathallah, H.	King Saud Univ, PSATRI, Riyadh, Saudi Arabia	ACTA Physica Polonica A	Feb 2014	0.604	
3	Dependence of Modulation Bandwidth on Size of Optical Injection Locked Semiconductor Ring Laser	Memon, M. I. Fathallah, H.	King Saud Univ, PSATRI, Riyadh, Saudi Arabia	ACTA Physica Polonica A	Feb 2014	0.604	
4	A time-domain weighted linear successive interference cancellation detector for rapidly time-varying OFDMA communication systems	Bentrcia, Abdelouahab	King Saud Univ, PSATRI, Riyadh, Saudi Arabia	Computers & Electrical Engineering	Feb 2014	0.992	PSATRI COE

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