

Department of Chemical Engineering, CIIT Lahore (2015)

ISI and IF Publications

S. No.	Title	Authors	Journal Name	Volume/Issue	Page/Article ID	Dep-Campus	IF/ISI	CIIT Authors
1	Monitoring of Chlorination Disinfection Byproducts (CDBPs) and their associated health risks in drinking water of Pakistan.	Sidra Saif, Imran Hashmi, Muhammad Saif Ur Rehman, Ishtiaq A. Qazi, Mohammad A. Awan, Habib Nasir	Journal of Water and Health	13	270-284	CHE-LHR	1.172	1
2	Fluidic oscillator-mediated microbubble generation to provide cost effective mass transfer and mixing efficiency to the waste water treatment plants	Fahad Rehman, Gareth J.D.Medley , Hemaka Bandulasena , William B. J. Zimmerman	Environmental Research	137	32-39	CHE-LHR	3.96	1
3	Hollow Fiber Membrane Model for Gas Separation: Process Simulation, Experimental Validation and Module Characteristics Study	Faizan Ahmad, Lau Kok Keong, Serene Sow Mun, Sikander Rafiq, Asad Ullah Khan, Moonyong Lee	Journal of Industrial and Engineering Chemistry	21	1246-1257	CHE-LHR	2.063	3
4	Modeling in Mixed Matrix Membranes for Gas Separation	Sikander Rafiq, Abdulhalim Maulud, Zakaria Man, Mohamed Ibrahim Abdul Mutalib, Faizan Ahmad, Asad Ullah Khan, Asim Laeeq Khan, Moinuddin Ghauri ² and Nawshad Muhammad	The Canadian Journal of Chemical Engineering	93	88-95	ChE, IRCBM, LHR	1.313	6
5	Modeling, Simulation and Economic Analysis for Hollow Fiber Membrane Module Using Multi-component Progressive Cell Balance Method	S.S.M. Lock, K.K. Lau, F. Ahmad, A.M, Shariff	International Journal of Greenhouse Gas Control	Vol. 36	pp 114-134	CHE-LHR	3.821	1

6	High content SiC nanowires reinforced Al composite with high strength and plasticity	Ronghua Dong, Wenshu Yang, Ping Wu, Murid Hussain, Gaohui Wu, Longtao Jiang	Materials Science and Engineering: A	630	8-12	CHE-LHR	2.567	1
7	Mesoporous silica supported Rh catalysts for high concentration N ₂ O decomposition	Marco Piumetti, Murid Hussain, Debora Fino, Nunzio Russo	Applied Catalysis B: Environmental	165	158-168	CHE-LHR	7.435	1
8	Microstructure and Mechanical Properties of 45 vol.% SiC _p /7075Al Composite	Ziyang Xiu, Wenshu Yang, Ronghua Dong, Murid Hussain, Longtao Jiang, YongXing Liu, Gaohui Wu	Journal of Materials Science & Technology	31(9)	930-934	CHE-LHR	1.909	1
9	Microstructure characterization of SiC nanowires as reinforcements in composites	Ronghua Dong, Wenshu Yang, Ping Wu, Murid Hussain, Ziyang Xiu, Gaohui Wu, Pingping Wang	Materials Characterization	103	37-41	CHE-LHR	1.845	1
10	Novel nanostructured-TiO ₂ materials for the photocatalytic reduction of CO ₂ greenhouse gas to hydrocarbons and syngas	Parveen Akhter, Murid Hussain, Guido Saracco, Nunzio Russo	Fuel	149(2)	55-65	CHE-LHR	3.52	1
11	Abatement of CH ₄ emitted by CNG vehicles using Pd-SBA-15 and Pd-KIT-6 catalysts	Murid Hussain, Fabio Alessandro Deorsola, Nunzio Russo, Debora Fino, Raffaele Pirone	Fuel	149	2-7	CHE-LHR	3.52	1
12	Nanostructured TiO ₂ /KIT-6 catalysts for improved photocatalytic reduction of CO ₂ to tunable energy products	Murid Hussain, Parveen Akhter, Guido Saracco, Nunzio Russo	Applied Catalysis B: Environmental	170	53-65	CHE-LHR	7.435	1
13	Kinetic parameters determination using optimization approach in integrated catalytic adsorption steam gasification for hydrogen production	Zakir Khan, Abrar Inayat, Suzana Yusup, Murni M. Ahmad	International Journal of Hydrogen Energy	40 (29)	8824-8832	CHE-LHR	3.313	1

14	Synthesis of ZnSnO ₃ nanocubes and thin film fabrication of (ZnSnO ₃ /PMMA) composite through electrospray deposition	Kyung Hyun , Ghayas Uddin Siddiqui, Bong-su Yang, Maria Mustafa	Journal of Materials Science: Materials in Electronics	26	5690-5696	Chem-Eng.	1.569	1
15	Fabrication and conduction mechanism evaluation of polyfluorene polymeric Schottky diode	Maria Mustafa, Lubna Sherin, Hyung Chan Kim, Yun Woo Lee and Kyung Hyun Choi ³ ,	Polymers for Advanced Technologies	26	1109-1113	Chem-Eng.	1.757	2
16	Effect of ionic liquid on thermo-physical properties of bamboo biomass	Nawshad Mohammad, Yanan Gao, Zakir Khan, Farasat Iqbal, Irfan Khan, Jibran Iqbal	Wood Science and Technology	49(5)	897-913	Chem-Eng.	1.92	3
17	Synthesis, characterization and in vitro evaluation of methotrexate conjugated fluorescent carbon nanoparticles as drug delivery system for human	Muhammad Ajmal, Uzma Yunus, Abdul Matin, Noaman Ul-Haq	Journal of Photochemistry & Photobiology, B: Biology	153	111–120	Chem-Eng.	2.96	1
18	Mixed Matrix Membranes comprising of Matrimid and Mesoporous COK-12: Preparation and Gas Separation Properties	A. L. Khan, S. P. Sree, J. A. Martens, M. T. Raza, I. F. J. Vankelecom	Journal of Membrane Science	495	471-478	ChE-Lhr	5.056	2
19	Polyimide mixed matrix membranes for CO ₂ separations using carbon-silica nanocomposite fillers	M. W. Anjum, F. Clippel, J. Didden, A. L. Khan, S. Couck, G. V. Baron, I. F. J. Vankelecom	Journal of Membrane Science	495	121-129	ChE-Lhr	5.056	1
20	Modulated UiO-66-Based Mixed-Matrix Membranes for CO ₂ Separation	M. W. Anjum, F. Vermoortele, A. L. Khan, B. Bueken, D. E. De Vos, I. F. J. Vankelecom	ACS Applied Materials & Interfaces	7	25193-	ChE-Lhr	6.723	1
21	Effect of reinforcement shape on the stress–strain behavior of aluminum reinforced with SiC nanowire	Ronghua Dong, Wenshu Yang, Ping Wu, Murid Hussain, Zhenhe Yu, Longtao Jiang, Gaohui Wui	Materials & Design	88	1015-1020	ChE-Lhr	3.501	1

22	Aging behavior of 6061Al matrix composite reinforced with high content SiC nanowires	Ronghua Dong, Wenshu Yang, Zhenhe Yu, Ping Wu, Murid Hussain, Longtao Jiang, Gaohui Wu	Journal of Alloys and Compounds	649	1037-1042	ChE-Lhr	2.999	1
23	Strengthening behavior in high content SiC nanowires reinforced Al composite	Wenshu Yang, Ronghua Dong, Zhenhe Yu, Ping Wu, Murid Hussain, Gaohui Wu	Materials Science and Engineering: A	648	41-46	ChE-Lhr	2.567	1
24	Unstable stacking faults in submicron/micron Al grammins in multi-SiCp/multi-Al nanocomposite	Wenshu Yang, Ronghua Dong, Longtao Jiang, Gaohui Wu, Murid Hussain	Vacuum	122	1 to 5	ChE-Lhr	1.858	1
25	Polystyrenic porphyrins as catalysts for alkane oxidation	Sara Riaz, Muhammad Nasir, Jibril Iqbal, Mian Hasnain Nawaz	Research on Chemical Intermediates	41	6283-6287	ChE-Lhr	1.22	3
26	Synthesis and Characterization of Pentablock Copolymers based on Pluronic L64 and PMMA	S. Ullah, A. Z. Khan, A. Ullah, S. Muhammad, Z. Iqbal, Z. Ali, S. M. Shah, M. Siddiq, H. Hussain	Polymer Science, Series B. Polymer Chemistry	57(6)	659-688	ChE-Lhr	0.577	1
27	Effect of Gd content on interfacial microstructures and mechanical properties of C f/Mg composite	Shaofeng Zhang, Guoqin Chen, Risheng Pei, Murid Hussain, Yaping Wang, Daguang Li, Pingping Wang, Gaohui Wu	Materials & Design	65	567-574	ChE-Lhr	3.501	1
28	Esterification of oleic acid by heteropolyacid/TiO ₂ -SiO ₂ catalysts synthesized from less expensive precursors	Rizwan Sheikh, Godlisten N. Shao, Zakir Khan, Nadir Abbas, Hee-Taik Kim ¹ and Yeung-Ho Park	ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING	10	339-346	ChE-Lhr	0.789	2
29	Enhanced growth rate and lipid production of freshwater microalgae by adopting two-stage cultivation system under diverse light and nutrients conditions	Naim Rashid, Muhammad S. U. Rehman, & Jong-In Han	Water and Environment Journal	29 (4)	533-540	ChE-Lhr	IF	

30	Photocatalytic CO ₂ reduction with H ₂ as reductant over copper and indium co-doped TiO ₂ nanocatalysts in a monolith photoreactor	[Tahir, Muhammad; Amin, NorAishah Saidina] ; [Tahir, Muhammad]	APPLIED CATALYSIS A-GENERAL	493	90-102	ChE-Lhr	IF	
31	Photocatalytic CO ₂ reduction by CH ₄ over montmorillonite modified TiO ₂ nanocomposites in a continuous monolith photoreactor	[Tahir, Muhammad; Tahir, Beenish; Amin, NorAishah Saidina]; [Tahir, Muhammad]	MATERIALS RESEARCH BULLETIN	63	13-23	ChE-Lhr	IF	
32	Fabrication of a novel graphene nanosheet electrode embedded with nanoparticles of zirconium dioxide for electrochemical capacitors: Ion-redeposition on the surface of nanoporous electrode	[Nasibi, Mahdi; Shishesaz, Mohammad Reza; Sarpoushi, Mahdi Robot] ; [Nasibi, Mahdi] ; [Borhani, Mohammad Reza] ; [Ahmad, Zaki]	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	30	625-630	ChE-Lhr	IF	
33	EMISSIONS OF NO _x , SO ₂ , AND CO FROM CO-COMBUSTION OF WHEAT STRAW AND COAL UNDER FAST FLUIDIZED BED CONDITION	[Shahzad, K.; Akhtar, J.] ; [Saleem, M.; Ali, N.; Akhtar, N. A.] ; [Ghauri, M.]	COMBUSTION SCIENCE AND TECHNOLOGY	187/7	1079-1092	ChE-Lhr	IF	
34	Design of decentralized biopower generation and distribution system for developing countries	[Bazmi, Aqeel Ahmed] ; [Zahedi, Gholamreza] ; [Hashim, Haslenda]	JOURNAL OF CLEANER PRODUCTION	86	209-220	ChE-Lhr	IF	
35	Indium-doped TiO ₂ nanoparticles for photocatalytic CO ₂ reduction with H ₂ O vapors to CH ₄	[Tahir, Muhammad; Amin, NorAishah Saidina] ; [Tahir, Muhammad]	APPLIED CATALYSIS B-ENVIRONMENTAL	162	98-109	ChE-Lhr	IF	
36	Ultrasound-Assisted Synthesis of Titania Nanoparticles, Characterization of Their Thin Films, and Activity in Photooxidation of beta-Naphthol	[Hurain, Syyeda Sana; Habib, Amir] ; [Hussain, Syed Muzammil] ; [Ul-Haq, Noaman]	JOURNAL OF ELECTRONIC MATERIALS	44/11	4622-4627	ChE-Lhr	IF	

37	Microstructure and Mechanical Properties of 45 vol.% SiCp/7075Al Composite	[Xiu, Ziyang]; [Yang, Wenshu; Dong, Ronghua; Jiang, Longtao; Liu, YongXing; Wu, Gaohui] ; [Hussain, Murid]	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	31/9	930-934	ChE-Lhr	IF	
38	High-temperature electrical properties of silane cross-linked chitosan/poly(vinyl alcohol) membrane: thermal, mechanical and surface characterization	[Islam, Atif; Sabir, Aneela; Khan, Shahzad Maqsood; Shafiq, Muhammad; Jamil, Tahir] ; [Islam, Atif; Yasin, Tariq] ; [Sultan, Misbah] ; [Khan, Asad U.]	E-POLYMERS	15/4	255-261	ChE-Lhr	IF	
39	Comparative study on structural modification of Ceiba pentandra for oil sorption and palm oil mill effluent treatment	[Abdullah, M. A.; Afzaal, M.; Ismail, Z.; Ahmad, A.] ; [Nazir, M. S.] ; [Bhat, A. H.]	DESALINATION AND WATER TREATMENT	54/11	3044-3053	ChE-Lhr	IF	
40	Perspectives for the production of ethanol from lignocellulosic feedstock - A case study	[Bhutto, Abdul Waheed; Qureshi, Khadija] ; [Bhutto, Abdul Waheed] ; [Harijan, Khanji] ; [Bazmi, Aqeel Ahmed] ; [Bahadori, Alireza]	JOURNAL OF CLEANER PRODUCTION	95	184-193	ChE-Lhr	IF	
41	Electrochemical investigation of graphene/nanoporous carbon black for supercapacitors	[Sarpoushi, Mandi Robot; Nasibi, Mandi] ; [Nasibi, Mandi] ; [Moshrefifar, Masoud] ; [Mazloum-Ardakani, Mohammad] ; [Ahmad, Zaki] ; [Ahmad, Zaki] ; [Riazi, Hamid Reza]	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	33	89-93	ChE-Lhr	IF	

42	New optimized mesoporous silica incorporated isolated Ti materials towards improved photocatalytic reduction of carbon dioxide to renewable fuels	[Hussain, Murid; Akhter, Parveen; Russo, Nunzio; Saracco, Guido] ; [Hussain, Murid]	CHEMICAL ENGINEERING JOURNAL	278/SI	279-292	ChE-Lhr	IF	
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Non-ISI Publications

S. No.	Title	Authors	Journal Name	Volume/Issue	Page/Article ID	Dep-Campus	Non-ISI	CIIT Authors
1	Bimodal UV-Assisted Nano-TiO ₂ Catalyst—Crumb Rubber Device for Treatment of Contaminated Water	Zaki Ahmad, Robina Farooq, Asad Ullah Khan, Natasha Hussain, and Ahmed Shafique	Aquananotechnology: Global Prospects, Taylor and Francis Group LLC, CRC Press	ISBN: 978-1-4665-1225-2	1-14	CHE-LHR	Non-ISI	5
2	Hydrophobicity; A Green Technique for Enhancing Corrosion Resistance of Alloys in the book: Alloy Development, 2015;	Zaki Ahmad, Robina Farooq, Asad Ullah Khan, Naila Riaz Mastoi and Tahir Saif,	InTech - Open Access Publisher,		http://dx.doi.org/10.5772/60815	Chem Eng, LHR	Non-ISI	
3	Bimodal UV-Assisted Nano-TiO ₂ Catalyst—Crumb Rubber Device for Treatment of Contaminated Water' Aquananotechnology: Global Prospects, 2015	Zaki Ahmad, Robina Farooq, Asad Ullah Khan, Natasha Hussain, and Ahmed Shafique	Taylor and Francis Group LLC, CRC			Chem Eng, LHR	Non-ISI	
4	Evaluation of Terminalia bellerica Roxb. Leaf extracted in different solvents for antioxidant activities	Lubna Sherin, Maria Mustafa, Shahida Shujaat	Asian Journal of Chemistry	27(12)	4527-4531	Chem-Eng.	Non-ISI	2
5	Acetylene Co A Pathway for Biosynthesis of Organics	Gugan Jabeen, Robina Farooq, Asad U Khan, Aqeel A Khan	Asian Journal of Chemistry	26(24)	1-8	CHE-LHR	Non-ISI	4