

Shakeel Ahmed

List of Publications by Year in descending order

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57
papers

1,806
citations

304368

22
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264894

42
g-index

58
all docs

58
docs citations

58
times ranked

2730
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling catalyst deactivation in heterogeneous Fenton-like oxidation reactions. Chemical Engineering Journal, 2021, 416, 128279.	6.6	2
2	A Comprehensive Review Covering Conventional and Structured Catalysis for Methanol to Propylene Conversion. Catalysis Letters, 2019, 149, 3395-3424.	1.4	22
3	Synthesis, characterization, and evaluation of high selectivity mixed molybdenum and vanadium oxide catalysts for oxidative dehydrogenation of propane. Canadian Journal of Chemical Engineering, 2019, 97, 2340-2346.	0.9	3
4	Nickel impregnated multi-walled carbon nanotubes (Ni/MWCNT) as active catalyst materials for efficient and platinum-free dye-sensitized solar cells (DSSCs). Sustainable Energy and Fuels, 2019, 3, 3473-3480.	2.5	12
5	Selective Production of Propylene from Methanol over Monolith-Supported Modified ZSM-5 Catalysts. Energy & Fuels, 2019, 33, 1458-1466.	2.5	9
6	Synthesis of bimetallic/carbon nanocomposite and its application for phenol removal. Journal of the Iranian Chemical Society, 2018, 15, 2689-2701.	1.2	15
7	Hydrogen Production through Steam Reforming of Diesel over Highly Efficient Promoted Ni/ γ -Al ₂ O ₃ Catalysts Containing Lanthanide Series (La, Ce, Eu, Pr, and Gd) Promoters. Energy & Fuels, 2018, 32, 7054-7065.	2.5	27
8	Optimal Design of a Solar Collector for Required Flux Distribution on a Tubular Receiver. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	1.4	3
9	Synthesis of lanthanide series (La, Ce, Pr, Eu & Gd) promoted Ni/ γ -Al ₂ O ₃ catalysts for methanation of CO ₂ at low temperature under atmospheric pressure. Catalysis Communications, 2017, 100, 121-126.	1.6	65
10	Electrocatalytic reduction of carbon dioxide on SnO ₂ /MWCNT in aqueous electrolyte solution. Journal of CO ₂ Utilization, 2016, 16, 346-353.	3.3	39
11	Electrochemical Impedance Spectroscopy and Photovoltaic Analyses of Dye-Sensitized Solar Cells Based on Carbon/TiO ₂ Composite Counter Electrode. Journal of the Electrochemical Society, 2016, 163, H339-H342.	1.3	22
12	Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell Using TiO ₂ -MWCNT Composite Photoanodes. IEEE Journal of Photovoltaics, 2016, 6, 486-490.	1.5	13
13	The dynamics and equilibrium of ammonium removal from aqueous solution by Na-Y zeolite. Desalination and Water Treatment, 2016, 57, 18992-19001.	1.0	4
14	Enhanced Photovoltaic Performance of Dye-Sensitized Solar Cells Using TiO ₂ -Graphene Microplatelets Hybrid Photoanode. IEEE Journal of Photovoltaics, 2016, 6, 196-201.	1.5	21
15	Density Functional Theory Study on the Electronic Structures of Oxadiazole Based Dyes as Photosensitizer for Dye Sensitized Solar Cells. Advances in Materials Science and Engineering, 2015, 2015, 1-8.	1.0	13
16	Co-sensitization of TiO ₂ -MWCNTs hybrid anode for efficient dye-sensitized solar cells. Electrochimica Acta, 2015, 173, 607-612.	2.6	26
17	Computational fluid dynamics study of hydrogen generation by low temperature methane reforming in a membrane reactor. International Journal of Hydrogen Energy, 2015, 40, 3158-3169.	3.8	47
18	Solar thermal catalytic reforming of natural gas: a review on chemistry, catalysis and system design. Catalysis Science and Technology, 2015, 5, 1991-2016.	2.1	78

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19	On the Modeling of Steam Methane Reforming. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	1.4	35
20	Hybrid TiO ₂ –multiwall carbon nanotube (MWCNTs) photoanodes for efficient dye sensitized solar cells (DSSCs). Solar Energy Materials and Solar Cells, 2015, 140, 174-179.	3.0	81
21	Theoretical study of benzene/thiophene based photosensitizers for dye sensitized solar cells (DSSCs). Dyes and Pigments, 2015, 118, 152-158.	2.0	53
22	Influence of CeO ₂ on Pt-Pd/CeO ₂ -OMC Catalysts for Formic Acid Oxidation. Electrocatalysis, 2015, 6, 348-356.	1.5	9
23	NiO/MWCNT Catalysts for Electrochemical Reduction of CO ₂ . Electrocatalysis, 2015, 6, 544-553.	1.5	18
24	Improving the efficiency of dye sensitized solar cells by TiO ₂ -graphene nanocomposite photoanode. Photonics and Nanostructures - Fundamentals and Applications, 2015, 16, 34-42.	1.0	25
25	Phenomenological kinetics modeling of simultaneous HDS of dibenzothiophene and substituted dibenzothiophene over CoMoP/Al ₂ O ₃ catalysts. Chemical Engineering Research and Design, 2015, 104, 819-827.	2.7	8
26	A kinetic comparative study of azo dye decolorization by catalytic wet peroxide oxidation using Fe–Y zeolite/H ₂ O ₂ and photooxidation using UV/H ₂ O ₂ . Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 795-815.	0.8	15
27	Electrochemical Reduction of Carbon Dioxide over CNT-Supported Nanoscale Copper Electro-catalysts. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	33
28	The Effect of Loading Palladium on Zinc Oxide on the Photocatalytic Degradation of Methyl tert-butyl Ether (MTBE) in Water. Photochemistry and Photobiology, 2014, 90, 491-495.	1.3	11
29	Preparation and characterization of Pd doped ceria–ZnO nanocomposite catalyst for methyl tert-butyl ether (MTBE) photodegradation. Journal of Hazardous Materials, 2014, 264, 71-78.	6.5	43
30	WO ₃ modification effects on Pt–Pd/WO ₃ -OMC electrocatalysts for formic acid oxidation. Applied Catalysis A: General, 2014, 482, 309-317.	2.2	22
31	Cu-based mixed metal oxide catalysts for WGS: Reduction kinetics and catalytic activity. Canadian Journal of Chemical Engineering, 2013, 91, 1450-1458.	0.9	19
32	Kinetics and Photodegradation Study of Aqueous Methyl tert-Butyl Ether Using Zinc Oxide: The Effect of Particle Size. International Journal of Photoenergy, 2013, 2013, 1-7.	1.4	8
33	Oxidative dehydrogenation of lower alkanes over metal incorporated MCM-41 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 483-493.	0.8	5
34	Simultaneous hydrodesulfurization of dibenzothiophene and substituted dibenzothiophenes over phosphorus modified CoMo/Al ₂ O ₃ catalysts. Fuel Processing Technology, 2012, 98, 39-44.	3.7	48
35	Methanol to olefins conversion over metal containing MFI-type zeolites. Journal of Porous Materials, 2012, 19, 111-117.	1.3	21
36	Effects of Cu-Doping on the Magnetic State of Zn _{0.9} Fe _{0.1} Cu _x O. Journal of Nanoscience and Nanotechnology, 2011, 11, 2579-2582.	0.9	1

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37	Simultaneous hydrodesulfurization of benzothiophene and dibenzothiophene over CoMo/Al ₂ O ₃ catalysts with different [Co]/(Co+Mo) ratios. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 113-123.	0.8	7
38	Laser induced photocatalytic degradation of hazardous dye (Safranin-O) using self synthesized nanocrystalline WO ₃ . <i>Journal of Hazardous Materials</i> , 2011, 186, 1226-1233.	6.5	83
39	Effect of operational key parameters on photocatalytic degradation of phenol using nano nickel oxide synthesized by sol-gel method. <i>Journal of Molecular Catalysis A</i> , 2011, 336, 64-71.	4.8	91
40	Nano ZnO synthesis by modified sol gel method and its application in heterogeneous photocatalytic removal of phenol from water. <i>Applied Catalysis A: General</i> , 2011, 393, 122-129.	2.2	209
41	Photocatalytic removal of hazardous dye from water using nanostructured WO ₃ . <i>International Journal of Nanoparticles</i> , 2011, 4, 53.	0.1	5
42	Kinetic study of laser-induced photocatalytic degradation of dye (alizarin yellow) from wastewater using nanostructured ZnO. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1413-1420.	0.9	43
43	Decomposition of hydrocarbons to hydrogen and carbon. <i>Applied Catalysis A: General</i> , 2009, 359, 1-24.	2.2	194
44	Preparation of mesoporous molecular sieve based hydrocracking catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 285-291.	0.6	2
45	Additives for the reduction of sulfur in FCC gasoline. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 61-67.	0.6	0
46	Oxidative dehydrogenation of propane over Co, Ni and Mo mixed oxides/MCM-41 catalysts: Effects of intra- and extra-framework locations of metals on product distributions. <i>Catalysis Communications</i> , 2006, 7, 990-996.	1.6	22
47	Sulfur reduction in FCC gasoline using catalyst additives. <i>Applied Catalysis A: General</i> , 2006, 303, 116-120.	2.2	17
48	Preferential methanation of CO in a syngas involving CO ₂ at lower temperature range. <i>Applied Catalysis A: General</i> , 2006, 314, 47-53.	2.2	86
49	Synthesis and proton conductivity of heteropolyacids loaded Y-zeolite as solid proton conductors for fuel cell applications. <i>Microporous and Mesoporous Materials</i> , 2006, 91, 296-304.	2.2	31
50	Proton conducting composites of heteropolyacids loaded onto MCM-41. <i>Journal of Power Sources</i> , 2006, 157, 35-44.	4.0	36
51	61 Preparation, characterization, and catalytic evaluation of first stage hydrocracking catalyst. <i>Studies in Surface Science and Catalysis</i> , 2003, 145, 295-298.	1.5	4
52	A comparison between β - and USY-zeolite-based hydrocracking catalysts. <i>Applied Catalysis A: General</i> , 2001, 220, 59-68.	2.2	40
53	Temperature-programmed desorption and reduction of sulfided alumina-pillared montmorillonite. <i>Applied Catalysis A: General</i> , 1999, 179, 139-144.	2.2	7
54	Characterization of high surface area smectite supported cobalt oxides catalysts for hydrodesulfurization by means of TPR, TPS and ESR. <i>Applied Catalysis A: General</i> , 1999, 179, 203-216.	2.2	19

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55	Characterization of CoMo-Al ₂ O ₃ Catalyst by Combination Technique of Temperature-programmed Sulfiding and Electron Spin Resonance(TPS-ESR).. Sekiyu Gakkaishi (Journal of the Japan Petroleum Tj ETQq1 1 0.74314 rgBT /Overlo	0.74314	14
56	Production of methyl tert-butyl ether (MTBE) over MFI-type zeolites synthesized by the rapid crystallization method and modified by varying Si/Ai ratio and steaming. Applied Catalysis A: General, 1997, 161, 47-58.	2.2	15
57	Investigation of the rapid crystallization method for the synthesis of MFI-type zeolites and study of the physicochemical properties of the products. Zeolites, 1996, 17, 373-380.	0.9	19