Shakeel Ahmed

List of Publications by Year
in descending order

57 papers	1,806 citations	304368 22 h-index	264894 42 g-index
58 all docs	58 docs citations	58 times ranked	2730 citing authors

#	Article	IF	Citations
1	Nano ZnO synthesis by modified sol gel method and its application in heterogeneous photocatalytic removal of phenol from water. Applied Catalysis A: General, 2011, 393, 122-129.	2.2	209
2	Decomposition of hydrocarbons to hydrogen and carbon. Applied Catalysis A: General, 2009, 359, 1-24.	2.2	194
3	Effect of operational key parameters on photocatalytic degradation of phenol using nano nickel oxide synthesized by solâ€“gel method. Journal of Molecular Catalysis A, 2011, 336, 64-71.	4.8	91
4	Preferential methanation of CO in a syngas involving CO2 at lower temperature range. Applied Catalysis A: General, 2006, 314, 47-53.	2.2	86
5	Laser induced photocatalytic degradation of hazardous dye (Safranin-O) using self synthesized nanocrystalline WO3. Journal of Hazardous Materials, 2011, 186, 1226-1233.	6.5	83
6	Hybrid TiO2â€“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
7	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
8	Synthesis of lanthanide series (La, Ce, Pr, Eu & Gd) promoted Ni/Î³-Al2O3 catalysts for methanation of CO2 at low temperature under atmospheric pressure. Catalysis Communications, 2017, 100, 121-126.	1.6	65
9	Theoretical study of benzene/thiophene based photosensitizers forÂdye sensitized solar cells (DSSCs). Dyes and Pigments, 2015, 118, 152-158.	2.0	53
10	Simultaneous hydrodesulfurization of dibenzothiophene and substituted dibenzothiophenes over phosphorus modified CoMo/Al2O3 catalysts. Fuel Processing Technology, 2012, 98, 39-44.	3.7	48
11	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
12	Kinetic study of laser-induced photocatalytic degradation of dye (alizarin yellow) from wastewater using nanostructured ZnO. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1413-1420.	0.9	43
13	Preparation and characterization of Pd doped ceriaâ€“ZnO nanocomposite catalyst for methyl tert-butyl ether (MTBE) photodegradation. Journal of Hazardous Materials, 2014, 264, 71-78.	6.5	43
14	A comparison between Î²- and USY-zeolite-based hydrocracking catalysts. Applied Catalysis A: General, 2001, 220, 59-68.	2.2	40
15	Electrocatalytic reduction of carbon dioxide on SnO2/MWCNT in aqueous electrolyte solution. Journal of CO2 Utilization, 2016, 16, 346-353.	3.3	39
16	Proton conducting composites of heteropolyacids loaded onto MCM-41. Journal of Power Sources, 2006, 157, 35-44.	4.0	36
17	On the Modeling of Steam Methane Reforming. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	1.4	35
18	Electrochemical Reduction of Carbon Dioxide over CNT-Supported Nanoscale Copper Electrocatalysts. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	33

#	Article	IF	Citations
19	Synthesis and proton conductivity of heteropolyacids loaded Y-zeolite as solid proton conductors for fuel cell applications. Microporous and Mesoporous Materials, 2006, 91, 296-304.	2.2	31
20	Hydrogen Production through Steam Reforming of Diesel over Highly Efficient Promoted Ni/Î³-Al₂O₃ Catalysts Containing Lanthanide Series (La, Ce, Eu, Pr, and Gd) Promoters. Energy & Fuels, 2018, 32, 7054-7065.	2.5	27
21	Co-sensitization of TiO 2 -MWCNTs hybrid anode for efficient dye-sensitized solar cells. Electrochimica Acta, 2015, 173, 607-612.	2.6	26
22	Improving the efficiency of dye sensitized solar cells by TiO2-graphene nanocomposite photoanode. Photonics and Nanostructures - Fundamentals and Applications, 2015, 16, 34-42.	1.0	25
23	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. Catalysis Communications, 2006, 7, 990-996.	1.6	22
24	WO3 modification effects on Ptâ€“Pd/WO3-OMC electrocatalysts for formic acid oxidation. Applied Catalysis A: General, 2014, 482, 309-317.	2.2	22
25	Electrochemical Impedance Spectroscopy and Photovoltaic Analyses of Dye-Sensitized Solar Cells Based on Carbon/TiO₂Composite Counter Electrode. Journal of the Electrochemical Society, 2016, 163, H339-H342.	1.3	22
26	A Comprehensive Review Covering Conventional and Structured Catalysis for Methanol to Propylene Conversion. Catalysis Letters, 2019, 149, 3395-3424.	1.4	22
27	Methanol to olefins conversion over metal containing MFI-type zeolites. Journal of Porous Materials, 2012, 19, 111-117.	1.3	21
28	Enhanced Photovoltaic Performance of Dye-Sensitized Solar Cells Using TiO₂-Graphene Microplatelets Hybrid Photoanode. IEEE Journal of Photovoltaics, 2016, 6, 196-201.	1.5	21
29	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
30	Characterization of high surface area smectite supported cobalt oxides catalysts for hydrodesulfurization by means of TPR, TPS and ESR. Applied Catalysis A: General, 1999, 179, 203-216.	2.2	19
31	Cuâ€based mixed metal oxide catalysts for WGSR: Reduction kinetics and catalytic activity. Canadian Journal of Chemical Engineering, 2013, 91, 1450-1458.	0.9	19
32	NiO/MWCNT Catalysts for Electrochemical Reduction of CO2. Electrocatalysis, 2015, 6, 544-553.	1.5	18
33	Sulfur reduction in FCC gasoline using catalyst additives. Applied Catalysis A: General, 2006, 303, 116-120.	2.2	17
34	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
35	A kinetic comparative study of azo dye decolorization by catalytic wet peroxide oxidation using Feâ€“Y zeolite/H2O2 and photooxidation using UV/H2O2. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 795-815.	0.8	15
36	Synthesis of bimetallic/carbon nanocomposite and its application for phenol removal. Journal of the Iranian Chemical Society, 2018, 15, 2689-2701.	1.2	15

#	Article	IF	Citations
37	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
38	Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell Using TiO₂-MWCNT Composite Photoanodes. IEEE Journal of Photovoltaics, 2016, 6, 486-490.	1.5	13
39	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
40	The Effect of Loading Palladium on Zinc Oxide on the Photocatalytic Degradation of Methyl tertâ€Butyl Ether (<scp>MTBE</scp>) in Water. Photochemistry and Photobiology, 2014, 90, 491-495.	1.3	11
41	Influence of CeO2 on Pt-Pd/CeO2-OMC Catalysts for Formic Acid Oxidation. Electrocatalysis, 2015, 6, 348-356.	1.5	9
42	Selective Production of Propylene from Methanol over Monolith-Supported Modified ZSM-5 Catalysts. Energy & Fuels, 2019, 33, 1458-1466.	2.5	9
43	Kinetics and Photodegradation Study of Aqueous Methyltert-Butyl Ether Using Zinc Oxide: The Effect of Particle Size. International Journal of Photoenergy, 2013, 2013, 1-7.	1.4	8
44	Phenomenological kinetics modeling of simultaneous HDS of dibenzothiophene and substituted dibenzothiophene over CoMoP/Al2O3 catalysts. Chemical Engineering Research and Design, 2015, 104, 819-827.	2.7	8
45	Temperature-programmed desorption and reduction of sulfided alumina-pillared montmorillonite. Applied Catalysis A: General, 1999, 179, 139-144.	2.2	7
46	Simultaneous hydrodesulfurization of benzothiophene and dibenzothiophene over CoMo/Al2O3 catalysts with different [Co/(CoÂ+ÂMo)] ratios. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 113-123.	0.8	7
47	Photocatalytic removal of hazardous dye from water using nanostructured WO<SUB align=right>3. International Journal of Nanoparticles, 2011, 4, 53.	0.1	5
48	Oxidative dehydrogenation of lower alkanes over metal incorporated MCM-41 catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2012, 105, 483-493.	0.8	5
49	61 Preparation, characterization, and catalytic evaluation of first stage hydrocracking catalyst. Studies in Surface Science and Catalysis, 2003, 145, 295-298.	1.5	4
50	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
51	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
52	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
53	Preparation of mesoporous molecular sieve based hydrocracking catalysts. Reaction Kinetics and Catalysis Letters, 2007, 90, 285-291.	0.6	2
54	Modeling catalyst deactivation in heterogeneous Fenton-like oxidation reactions. Chemical Engineering Journal, 2021, 416, 128279.	6.6	2

#	Article	IF	Citations
55	Effects of Cu-Doping on the Magnetic State of Zn_{0.9â^’<I>x</I>}Fe_{0.1}Cu_{<I>x</I>}O. Journal of Nanoscience and Nanotechnology, 2011, 11, 2579-2582.	0.9	1
56	Additives for the reduction of sulfur in FCC gasoline. Reaction Kinetics and Catalysis Letters, 2007, 91, 61-67.	0.6	0
57	Characterization of CoMo-Al2O3 Catalyst by Combination Technique of Temperature-programmed Sulfiding and Electron Spin Resonance(TPS-ESR).. Sekiyu Gakkaishi (Journal of the Japan Petroleum) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	3