

# Muhammad Sadiq

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

402  
citations

933447

10  
h-index

794594

19  
g-index

36  
all docs

36  
docs citations

36  
times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese dioxide nanoparticles/activated carbon composite as efficient UV and visible-light photocatalyst. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5140-5154.	5.3	74
2	Efficient photodegradation of methyl violet dye using TiO <sub>2</sub> /Pt and TiO <sub>2</sub> /Pd photocatalysts. <i>Applied Water Science</i> , 2017, 7, 3841-3848.	5.6	71
3	Investigation of the photocatalytic potential enhancement of silica monolith decorated tin oxide nanoparticles through experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2020, 44, 13330-13343.	2.8	35
4	Synthesis, characterization, and photocatalytic application of Pd/ZrO <sub>2</sub> and Pt/ZrO <sub>2</sub> . <i>Applied Water Science</i> , 2018, 8, 1.	5.6	32
5	Enhancement of photocatalytic potential and recoverability of Fe <sub>3</sub> O <sub>4</sub> nanoparticles by decorating over monoclinic zirconia. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 1473-1489.	3.0	24
6	Synthesis of graphene-supported bimetallic nanoparticles for the sunlight photodegradation of Basic Green 5 dye in aqueous medium. <i>Separation Science and Technology</i> , 2016, 51, 1421-1426.	2.5	18
7	Preparation of ZnO/Nylon 6/6 nanocomposites, their characterization and application in dye decolorization. <i>Applied Water Science</i> , 2021, 11, 1.	5.6	18
8	Liquid phase oxidation of cinnamyl alcohol to cinnamaldehyde using multiwall carbon nanotubes decorated with zinc-manganese oxide nanoparticles. <i>Applied Catalysis A: General</i> , 2017, 539, 97-103.	4.3	15
9	Efficient photodegradation of orange II dye by nickel oxide nanoparticles and nanoclay supported nickel oxide nanocomposite. <i>Applied Water Science</i> , 2022, 12, .	5.6	15
10	Catalytic Hydrogenation of Carbon Dioxide over Magnetic Nanoparticles: Modification in Fixed-Bed Reactor. <i>Catalysts</i> , 2021, 11, 592.	3.5	12
11	Efficient Aerobic Oxidation of Cyclohexane to KA Oil Catalyzed by Pt-Sn supported on MWCNTs. <i>Journal of Chemical Sciences</i> , 2015, 127, 1167-1172.	1.5	10
12	Enhanced photocatalytic potential of TiO <sub>2</sub> nanoparticles in coupled CdTiO <sub>2</sub> and ZnCdTiO <sub>2</sub> nanocomposites. <i>Environmental Science and Pollution Research</i> , 2022, 29, 54745-54755.	5.3	8
13	Utilization of cross-linked chitosan for cobalt adsorption and its reutilization as a photocatalyst for the photodegradation of methyl violet dye in aqueous medium. <i>Applied Water Science</i> , 2022, 12, 1.	5.6	8
14	Liquid-Phase Oxidation of Alcohols Catalyzed by ZrO <sub>2</sub> under Solvent Free Conditions. <i>Chinese Journal of Catalysis</i> , 2007, 28, 413-416.	14.0	6
15	Correlation of thermal conductivity with the catalytic activity of nanoparticles: the oxidation of benzyl alcohol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 130, 289-302.	1.7	5
16	Effect of Microwave Irradiation on the Catalytic Activity of Tetragonal Zirconia: Selective Hydrogenation of Aldehyde. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5841-5848.	3.0	5
17	TiO <sub>2</sub> and its binary ZnTiO <sub>2</sub> and ternary CdZnTiO <sub>2</sub> nanocomposites as efficient photocatalysts for the organic dyes degradation. <i>Applied Water Science</i> , 2022, 12, 1.	5.6	5
18	Synthesis and characterization of graphene nanoplates supported silver nanoparticles with enhanced photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 560-571.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over palladium/zirconia in microwave protocol. <i>Catalysis Today</i> , 2022, 397-399, 389-396.	4.4	4
20	Removal of Lead from Aqueous Solution by an Efficient Low Cost Biosorbent. <i>Tenside, Surfactants, Detergents</i> , 2012, 49, 100-106.	1.2	3
21	Potent Heterogeneous Catalyst for Low Temperature Selective Oxidation of Cyclohexanol by Molecular Oxygen. <i>Journal of Chemistry</i> , 2016, 2016, 1-6.	1.9	3
22	HKUST-1 Supported on Zirconium Phosphate as an Efficient Catalyst for Solvent Free Oxidation of Cyclohexene: DFT Study. <i>Catalysts</i> , 2018, 8, 546.	3.5	3
23	Reaction of CH <sub>3</sub> CH <sub>2</sub> OH and H on a ZnO Single Crystal Surface. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 1226-1228.	1.9	3
24	Extending the Hierarchy of Heterogeneous Catalysis to Substituted Derivatives of Benzimidazole Synthesis: Transition Metals Decorated CNTs. <i>Catalysts</i> , 2019, 9, 1000.	3.5	3
25	Synthesis and characterization of Mn-Pt/AC nanoparticles and their photocatalytic and antibacterial applications. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 612-619.	2.4	3
26	Photooxidation of Toluene: Correlation of Noble Metal Loading on Titania and Activation Energy. <i>Journal of Chemistry</i> , 2016, 2016, 1-7.	1.9	2
27	Tuning of Activated Carbon for Solvent-Free Oxidation of Cyclohexane. <i>Journal of Chemistry</i> , 2017, 2017, 1-8.	1.9	2
28	Facile route for green synthesis of N-benzylideneaniline over bimetallic reduced graphene oxide: chemical reactivity of 2,3,4-substituted derivatives of aniline. <i>Research on Chemical Intermediates</i> , 2019, 45, 2947-2961.	2.7	2
29	Synergetic Effect of Calcium Doping on Catalytic Activity of Manganese Ferrite: DFT Study and Oxidation of Hydrocarbon. <i>Crystals</i> , 2020, 10, 335.	2.2	2
30	Green and Efficient Oxidation of Octanol by Iron Oxide Nanoparticles Supported on Activated Carbon. <i>Modern Research in Catalysis</i> , 2015, 04, 28-35.	1.7	2
31	Preparation and characterization of catalysts and its application in microwave-assisted degradation of Acid Orange-8. , 0, 231, 407-414.		2
32	Structural, Mechanical and Magneto-Electronic Properties of the Ternary Sodium Palladium and Platinum Oxides. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015, 70, 815-822.	1.5	1
33	Probing the Catalytic Activity of Tin-Platinum Decorated Graphene; Liquid Phase Oxidation of Cyclohexane. <i>Journal of Carbon Research</i> , 2016, 2, 8.	2.7	1
34	Functionalized multi walled carbon nanotubes supported copper-titania nanoparticles for oxidation of cinnamyl alcohol under mild reaction conditions. <i>Journal of King Saud University - Science</i> , 2021, 33, 101273.	3.5	1
35	Zirconia Supported Iron as an Efficient Green Catalyst for the Selective Liquid Phase Solvent Free Oxidation of Alcohol with Molecular Oxygen. <i>Tenside, Surfactants, Detergents</i> , 2013, 50, 125-130.	1.2	0
36	Synthesis and Pharmacological Properties of 1,3-Bis[(S)Phenylethyl]Imidazolidine-2-Thione. <i>Pharmaceutical Chemistry Journal</i> , 2016, 50, 382-387.	0.8	0