

# Muhammad Sadiq

## List of Publications by Year in descending order

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23  
papers

834  
citations

567281

15  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni/Fe and Mg/Fe layered double hydroxides and their calcined derivatives: preparation, characterization and application on textile dyes removal. <i>Journal of Materials Research and Technology</i> , 2017, 6, 271-283.	5.8	115
2	Factorial experimental design for the optimization of catalytic degradation of malachite green dye in aqueous solution by Fenton process. <i>Water Resources and Industry</i> , 2016, 15, 41-48.	3.9	82
3	Photocatalytic degradation of pesticides by titanium dioxide and titanium pillared purified clays. <i>Arabian Journal of Chemistry</i> , 2016, 9, S313-S318.	4.9	81
4	Defluoridation of groundwater by calcined Mg/Al layered double hydroxide. <i>Emerging Contaminants</i> , 2016, 2, 42-48.	4.9	58
5	Photocatalytic degradation of caffeine as a model pharmaceutical pollutant on Mg doped ZnO-Al <sub>2</sub> O <sub>3</sub> heterostructure. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 63-72.	2.9	56
6	Highly efficient activated carbon from <i>Glebionis coronaria</i> L. biomass: Optimization of preparation conditions and heavy metals removal using experimental design approach. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4549-4564.	6.7	54
7	A combined molecular dynamic simulation, DFT calculations, and experimental study of the eriochrome black T dye adsorption onto chitosan in aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 707-721.	7.5	54
8	Photocatalytic degradation of caffeine by ZnO-ZnAl <sub>2</sub> O <sub>4</sub> nanoparticles derived from LDH structure. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3719-3726.	6.7	48
9	Photocatalytic degradation of 2,4-D and 2,4-DP herbicides on Pt/TiO <sub>2</sub> nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 485-493.	5.2	45
10	Full factorial experimental design applied to oxalic acid photocatalytic degradation in TiO <sub>2</sub> aqueous suspension. <i>Arabian Journal of Chemistry</i> , 2014, 7, 752-757.	4.9	39
11	Synthesis, characterization and efficient photocatalytic activity of novel Ca/ZnO-Al <sub>2</sub> O <sub>3</sub> nanomaterial. <i>Materials Today Communications</i> , 2018, 16, 194-203.	1.9	31
12	Statistical optimization of activated carbon from <i>Thapsia transtagana</i> stems and dyes removal efficiency using central composite design. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 544-553.	3.1	28
13	Enhanced photocatalytic degradation of caffeine as a model pharmaceutical pollutant by Ag-ZnO-Al <sub>2</sub> O <sub>3</sub> nanocomposite. , 0, 94, 254-262.		28
14	Recent advances in the synthesis and environmental catalytic applications of layered double hydroxides-based materials for degradation of emerging pollutants through advanced oxidation processes. <i>Materials Research Bulletin</i> , 2022, 154, 111924.	5.2	23
15	Dye removal from aqueous solution by raw maize corncob and H <sub>3</sub> PO <sub>4</sub> activated maize corncob. <i>Journal of Water Reuse and Desalination</i> , 2018, 8, 214-224.	2.3	22
16	Novel Ag-ZnO-La <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> photocatalysts derived from the Layered Double Hydroxide structure with excellent photocatalytic performance for the degradation of pharmaceutical compounds. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 34-46.	3.1	18
17	Ni-Fe-SDS and Ni-Fe-SO <sub>4</sub> layered double hydroxides: Preparation, characterization and application in dyes removal. <i>Materials Today: Proceedings</i> , 2021, 37, 3871-3875.	1.8	13
18	HF and SiF <sub>4</sub> adsorption on carbon graphite (1 1 1) surface in aqueous medium: A combined DFT and MD simulation approach. <i>Materials Today: Proceedings</i> , 2021, 37, 3987-3993.	1.8	11

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19	Influence of acidâ€“base properties of cobaltâ€“molybdenum catalysts supported on magnesium orthophosphates in isomerization of 3,3-dimethylbut-1-ene. Arabian Journal of Chemistry, 2011, 4, 449-457.	4.9	10
20	Effect of calcination temperature on the structure of vanadium phosphorus oxide materials and their catalytic activity in the decomposition of 2-propanol. Journal of Saudi Chemical Society, 2012, 16, 445-449.	5.2	6
21	Effect of aluminium incorporation on physicochemical properties and patent blue V photodegradation of magnesium phosphate materials. Bulletin of Materials Science, 2021, 44, 1.	1.7	5
22	Study of the effect of pH, conditioning and flotation time on the flotation efficiency of phosphate ores by a soybean oil collector. , 2022, 32, 101-108.		5
23	Understanding the Mechanism and Selectivities of the Reaction of Meta-Chloroperbenzoic Acid and Dibromocarbene with <i>1</i> <sup>2</sup> -Himachalene: A DFT Study. Heteroatom Chemistry, 2020, 2020, 1-8.	0.7	2