

Aziz Ur Rehman

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

877
citations

430874

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h-index

501196

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docs citations

28
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface induced growth of ZIF-67 at Co-layered double hydroxide: Removal of methylene blue and methyl orange from water. <i>Applied Clay Science</i> , 2020, 190, 105564.	5.2	134
2	Combining structurally ordered intermetallic nodes: Kinetic and isothermal studies for removal of malachite green and methyl orange with mechanistic aspects. <i>Microchemical Journal</i> , 2021, 164, 105973.	4.5	90
3	Removal of Congo Red from Aqueous Solution by Anion Exchange Membrane (EBTAC): Adsorption Kinetics and Thermodynamics. <i>Materials</i> , 2015, 8, 4147-4161.	2.9	63
4	Fabrication of Periodic Mesoporous Organo Silicate (PMOS) composites of Ag and ZnO: Photo-catalytic degradation of methylene blue and methyl orange. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108357.	3.9	46
5	Versatile Ag ₂ O and ZnO nanomaterials fabricated via annealed Ag-PMOS and ZnO-PMOS: An efficient photocatalysis tool for azo dyes. <i>Journal of Molecular Liquids</i> , 2022, 356, 119036.	4.9	39
6	Photo-Fenton activated C ₃ N ₄ /AgO _y @Co _{1-x} Bi _{0.1-y} O ₇ dual s-scheme heterojunction towards degradation of organic pollutants. <i>Optical Materials</i> , 2022, 126, 112199.	3.6	38
7	Design of Anion Exchange Membranes and Electrodialysis Studies for Water Desalination. <i>Materials</i> , 2016, 9, 365.	2.9	37
8	Enhanced adsorption removal of methyl orange from water by porous bimetallic Ni/Co MOF composite: a systematic study of adsorption kinetics. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4841-4856.	3.3	34
9	Kinetics, isothermal and mechanistic insight into the adsorption of eosin yellow and malachite green from water via tri-metallic layered double hydroxide nanosheets. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 216-226.	2.7	34
10	Nano-engineering of prussian blue analogues to core-shell architectures: Enhanced catalytic activity for zinc-air battery. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 89-95.	9.4	31
11	Nanoscale ZrRGOCuFe layered double hydroxide composites for enhanced photocatalytic degradation of dye contaminant. <i>Materials Science in Semiconductor Processing</i> , 2021, 128, 105748.	4.0	31
12	BPPO-Based Anion Exchange Membranes for Acid Recovery via Diffusion Dialysis. <i>Materials</i> , 2017, 10, 266.	2.9	30
13	A Comparative Study of Cerium- and Ytterbium-Based GO/g-C ₃ N ₄ /Fe ₂ O ₃ Composites for Electrochemical and Photocatalytic Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9000.	2.5	30
14	Synthesis of porous secondary metal-doped MOFs for removal of Rhodamine B from water: Role of secondary metal on efficiency and kinetics. <i>Surfaces and Interfaces</i> , 2021, 25, 101261.	3.0	29
15	Synthesis of nanoadsorbent entailed mesoporous organosilica for decontamination of methylene blue and methyl orange from water. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 8799-8812.	3.3	26
16	Quality assessment of the noncarbonated-bottled drinking water: comparison of their treatment techniques. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 8195-8206.	3.3	24
17	Design of dielectric and photocatalytic properties of Dy ²⁺ /Ni substituted Ca _{0.5} Pb _{0.5} xFe ₁₂ yO ₁₉ M-type hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16255-16268.	2.2	24
18	Nanostructure Engineering of Metal-Organic Derived Frameworks: Cobalt Phosphide Embedded in Carbon Nanotubes as an Efficient ORR Catalyst. <i>Molecules</i> , 2021, 26, 6672.	3.8	22

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19	Synthesis of DMEA-Grafted Anion Exchange Membrane for Adsorptive Discharge of Methyl Orange from Wastewaters. <i>Membranes</i> , 2021, 11, 166.	3.0	19
20	Nanostructure engineering by surficial induced approach: Porous metal oxide-carbon nanotube composite for lithium-ion battery. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115417.	3.5	18
21	Au@GO@g-C ₃ N ₄ and Fe ₂ O ₃ nanocomposite for efficient photocatalytic and electrochemical applications. <i>Surfaces and Interfaces</i> , 2021, 26, 101399.	3.0	16
22	Structural Elucidation with Improved Dielectric and Magnetic Properties of Sol-Gel Synthesized Cr ³⁺ Substituted M-Type Sr ²⁺ Hexaferrites. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1530-1539.	2.5	14
23	Recent Advances in Synthesis and Applications of Single-Atom Catalysts for Rechargeable Batteries. <i>Chemical Record</i> , 2022, 22, .	5.8	14
24	Electrogenerated chemiluminescence of /2-(dibutylamino)ethanol system. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 45-48.	3.8	10
25	Silver and yttrium-doped bismuth vanadate for photoluminescent activity and boosted visible light-induced photodegradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21082-21096.	2.2	8
26	Energizing periodic mesoporous organosilica (PMOS) with bismuth and cerium for photo-degrading methylene blue and methyl orange in water. <i>Water Environment Research</i> , 2021, 93, 1116-1125.	2.7	7
27	Efficient electrochemical and photocatalytic performances of Cu-doped Ba _x Al _x O ₃ nanocomposites. <i>Surfaces and Interfaces</i> , 2022, 32, 102116.	3.0	7
28	Electroconductive Composites from Polystyrene Block Copolymers and Cu-Alumina Filler. <i>Materials</i> , 2016, 9, 989.	2.9	2