

# Aziz Ur Rehman

## List of Publications by Year in descending order

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28  
papers

877  
citations

430874

18  
h-index

501196

28  
g-index

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all docs

28  
docs citations

28  
times ranked

402  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | Structural Elucidation with Improved Dielectric and Magnetic Properties of Sol-Gel Synthesized Cr <sup>3+</sup> Substituted M-Type Sr <sup>2+</sup> Hexaferrites. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1530-1539.           | 2.5 | 14        |
| 5  | 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        |
| 6  | Photo-Fenton activated C <sub>3</sub> N <sub>4</sub> /AgO <sub>y</sub> @Co <sub>1-x</sub> Bi <sub>0.1-y</sub> O <sub>7</sub> dual s-scheme heterojunction towards degradation of organic pollutants. <i>Optical Materials</i> , 2022, 126, 112199.         | 3.6 | 38        |
| 7  | Versatile Ag <sub>2</sub> 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        |
| 8  | Recent Advances in Synthesis and Applications of Single-Atom Catalysts for Rechargeable Batteries. <i>Chemical Record</i> , 2022, 22, .  | 5.8 | 14        |
| 9  | Efficient electrochemical and photocatalytic performances of Cu-doped Ba <sub>x</sub> Al <sub>x</sub> O <sub>3</sub> nanocomposites. <i>Surfaces and Interfaces</i> , 2022, 32, 102116.  | 3.0 | 7         |
| 10 | 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        |
| 11 | Synthesis of DMEA-Grafted Anion Exchange Membrane for Adsorptive Discharge of Methyl Orange from Wastewaters. <i>Membranes</i> , 2021, 11, 166.  | 3.0 | 19        |
| 12 | 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         |
| 13 | 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        |
| 14 | Design of dielectric and photocatalytic properties of Dy-Ni substituted Ca <sub>0.5</sub> Pb <sub>0.5</sub> xFe <sub>12</sub> yO <sub>19</sub> M-type hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16255-16268. | 2.2 | 24        |
| 15 | Nanoscale ZrRGO/CuFe layered double hydroxide composites for enhanced photocatalytic degradation of dye contaminant. <i>Materials Science in Semiconductor Processing</i> , 2021, 128, 105748.   | 4.0 | 31        |
| 16 | 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        |
| 17 | A Comparative Study of Cerium- and Ytterbium-Based GO/g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> Composites for Electrochemical and Photocatalytic Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9000.              | 2.5 | 30        |
| 18 | Au@GO@g-C <sub>3</sub> N <sub>4</sub> and Fe <sub>2</sub> O <sub>3</sub> nanocomposite for efficient photocatalytic and electrochemical applications. <i>Surfaces and Interfaces</i> , 2021, 26, 101399.   | 3.0 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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         |
| 22 | 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        |
| 23 | 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       |
| 24 | BPPO-Based Anion Exchange Membranes for Acid Recovery via Diffusion Dialysis. <i>Materials</i> , 2017, 10, 266.   | 2.9 | 30        |
| 25 | Electroconductive Composites from Polystyrene Block Copolymers and Cu-Alumina Filler. <i>Materials</i> , 2016, 9, 989.  | 2.9 | 2         |
| 26 | Design of Anion Exchange Membranes and Electrodialysis Studies for Water Desalination. <i>Materials</i> , 2016, 9, 365.   | 2.9 | 37        |
| 27 | 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        |
| 28 | Electrogenerated chemiluminescence of /2-(dibutylamino)ethanol system. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 45-48.  | 3.8 | 10        |