

Muhammad Akram

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

702
citations

759055

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887953

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docs citations

17
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514
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel lignin-based single atom catalysts as peroxymonosulfate activator for pollutants degradation: Role of single cobalt and electron transfer pathway. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119910.	10.8	209
2	Three-dimensional porous graphene-like biochar derived from <i>Enteromorpha</i> as a persulfate activator for sulfamethoxazole degradation: Role of graphitic N and radicals transformation. <i>Journal of Hazardous Materials</i> , 2020, 399, 123039.	6.5	152
3	Improving peroxymonosulfate activation by copper ion-saturated adsorbent-based single atom catalysts for the degradation of organic contaminants: electron-transfer mechanism and the key role of Cu single atoms. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11604-11613.	5.2	85
4	Highly efficient and mild electrochemical degradation of bentazon by nano-diamond doped PbO ₂ anode with reduced Ti nanotube as the interlayer. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 254-264.	5.0	48
5	Highly efficient removal of phosphate from aqueous media by pomegranate peel co-doping with ferric chloride and lanthanum hydroxide nanoparticles. <i>Journal of Cleaner Production</i> , 2021, 292, 125311.	4.6	25
6	Mechanism of sonication time on structure and adsorption properties of 3D peanut shell/graphene oxide aerogel. <i>Science of the Total Environment</i> , 2020, 739, 139983.	3.9	24
7	Adsorptive removal of phosphate by the bimetallic hydroxide nanocomposites embedded in pomegranate peel. <i>Journal of Environmental Sciences</i> , 2020, 91, 189-198.	3.2	23
8	Influence of Organic Ligands on the Colloidal Stability and Removal of ZnO Nanoparticles from Synthetic Waters by Coagulation. <i>Processes</i> , 2018, 6, 170.	1.3	22
9	The Removal of CuO Nanoparticles from Water by Conventional Treatment C/F/S: The Effect of pH and Natural Organic Matter. <i>Molecules</i> , 2019, 24, 914.	1.7	18
10	Coagulation and Dissolution of CuO Nanoparticles in the Presence of Dissolved Organic Matter Under Different pH Values. <i>Sustainability</i> , 2019, 11, 2825.	1.6	17
11	In-situ Cu-doped carbon-supported catalysts applied for high-salinity polycarbonate plant wastewater treatment and a coupling application. <i>Chemical Engineering Journal</i> , 2021, 416, 129441.	6.6	15
12	Enhanced removal of phosphate using pomegranate peel-modified nickel-lanthanum hydroxide. <i>Science of the Total Environment</i> , 2022, 809, 151181.	3.9	15
13	Interaction of Arsenic Species with Organic Ligands: Competitive Removal from Water by Coagulation-Flocculation-Sedimentation (C/F/S). <i>Molecules</i> , 2019, 24, 1619.	1.7	13
14	Optimization of Antimony Removal by Coagulation-Flocculation-Sedimentation Process Using Response Surface Methodology. <i>Processes</i> , 2021, 9, 117.	1.3	13
15	Effect of Water Chemistry on Antimony Removal by Chemical Coagulation: Implications of ζ -Potential and Size of Precipitates. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2945.	1.8	11
16	Adsorption Capacities of Iron Hydroxide for Arsenate and Arsenite Removal from Water by Chemical Coagulation: Kinetics, Thermodynamics and Equilibrium Studies. <i>Molecules</i> , 2021, 26, 7046.	1.7	7
17	Effect of Dissolved Organic Matter on Agglomeration and Removal of CuO Nanoparticles by Coagulation. <i>Processes</i> , 2019, 7, 455.	1.3	5