

Mohamed Zbair

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9388187/publications.pdf>

Version: 2024-02-01

46
papers

1,720
citations

257429
24
h-index

302107
39
g-index

48
all docs

48
docs citations

48
times ranked

1541
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat storage: Hydration investigation of MgSO ₄ /active carbon composites, from material development to domestic applications scenarios. Renewable and Sustainable Energy Reviews, 2022, 158, 112197.	16.4	15
2	Toward new low-temperature thermochemical heat storage materials: Investigation of hydration/dehydration behaviors of MgSO ₄ /Hydroxyapatite composite. Solar Energy Materials and Solar Cells, 2022, 240, 111696.	6.2	19
3	CO ₂ Electroreduction over Metallic Oxide, Carbon-Based, and Molecular Catalysts: A Mini-Review of the Current Advances. Catalysts, 2022, 12, 450.	3.5	14
4	Removal of reactive red-198 dye using chitosan as an adsorbent: optimization by Central composite design coupled with response surface methodology. Toxin Reviews, 2021, 40, 225-237.	3.4	22
5	New functionalization approach synthesis of Sulfur doped, Nitrogen doped and Co-doped porous carbon: Superior metal-free Carbocatalyst for the catalytic oxidation of aqueous organics pollutants. Chemical Engineering Journal, 2021, 405, 126660.	12.7	47
6	Hydrochar-derived adsorbent for the removal of diclofenac from aqueous solution. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	31
7	Ceramic hydroxyapatite foam as a new material for Bisphenol A removal from contaminated water. Environmental Science and Pollution Research, 2021, 28, 17739-17751.	5.3	10
8	Survey Summary on Salts Hydrates and Composites Used in Thermochemical Sorption Heat Storage: A Review. Energies, 2021, 14, 3105.	3.1	24
9	Engineering of new hydrogel beads based conducting polymers: Metal-free catalysis for highly organic pollutants degradation. Applied Catalysis B: Environmental, 2021, 286, 119948.	20.2	56
10	Adsorption of Estradiol from aqueous solution by hydrothermally carbonized and steam activated palm kernel shells. Energy Nexus, 2021, 1, 100009.	7.7	12
11	Exhausted Grape Marc Derived Biochars: Effect of Pyrolysis Temperature on the Yield and Quality of Biochar for Soil Amendment. Sustainability, 2021, 13, 11187.	3.2	7
12	Hydrothermal Carbonization of Argan Nut Shell: Functional Mesoporous Carbon with Excellent Performance in the Adsorption of Bisphenol A and Diuron. Waste and Biomass Valorization, 2020, 11, 1565-1584.	3.4	77
13	Recent trends on numerical investigations of response surface methodology for pollutants adsorption onto activated carbon materials: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 1043-1084.	12.8	109
14	New amino group functionalized porous carbon for strong chelation ability towards toxic heavy metals. RSC Advances, 2020, 10, 31087-31100.	3.6	20
15	Nitrogen doped graphitic porous carbon from almond shells as an efficient persulfate activator for organic compound degradation. New Journal of Chemistry, 2020, 44, 9391-9401.	2.8	17
16	Catalytic wet air oxidation of high BPA concentration over iron-based catalyst supported on orthophosphate. Environmental Science and Pollution Research, 2020, 27, 32533-32543.	5.3	8
17	Microwave assisted green synthesis of Fe ₂ O ₃ /biochar for ultrasonic removal of nonsteroidal anti-inflammatory pharmaceuticals. RSC Advances, 2020, 10, 11371-11380.	3.6	37
18	Herbicide diuron removal from aqueous solution by bottom ash: Kinetics, isotherm, and thermodynamic adsorption studies. Journal of Environmental Chemical Engineering, 2020, 8, 103667.	6.7	28

#	ARTICLE	IF	CITATIONS
19	Porous carbon materials derived from olive kernels: application in adsorption of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29967-29982.	5.3	9
20	High extent mass recovery of alginate hydrogel beads network based on immobilized bio-sourced porous carbon@Fe ₃ O ₄ -NPs for organic pollutants uptake. <i>Chemosphere</i> , 2019, 236, 124351.	8.2	43
21	Structured carbon foam derived from waste biomass: application to endocrine disruptor adsorption. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32589-32599.	5.3	17
22	High performance of Zn-Al-CO ₃ layered double hydroxide for anionic reactive blue 21 dye adsorption: kinetic, equilibrium, and thermodynamic studies. <i>Nanotechnology for Environmental Engineering</i> , 2019, 4, 1.	3.3	16
23	Kinetics, equilibrium, statistical surface modeling and cost analysis of paraquat removal from aqueous solution using carbonated jujube seed. <i>RSC Advances</i> , 2019, 9, 1084-1094.	3.6	43
24	Combined Methane Energy Recovery and Toxic Dye Removal by Porous Carbon Derived from Anaerobically Modified Digestate. <i>ACS Omega</i> , 2019, 4, 9434-9445.	3.5	31
25	Carbon microspheres derived from walnut shell: Rapid and remarkable uptake of heavy metal ions, molecular computational study and surface modeling. <i>Chemosphere</i> , 2019, 231, 140-150.	8.2	42
26	Catalytic abatement of dichloromethane over transition metal oxide catalysts: Thermodynamic modelling and experimental studies. <i>Journal of Cleaner Production</i> , 2019, 228, 814-823.	9.3	19
27	Preparation and Characterization of Porous Carbon@ZnO-NPs for Organic Compounds Removal: Classical Adsorption Versus Ultrasound Assisted Adsorption. <i>ChemistrySelect</i> , 2019, 4, 4981-4994.	1.5	30
28	Selected pharmaceuticals removal using algae derived porous carbon: experimental, modeling and DFT theoretical insights. <i>RSC Advances</i> , 2019, 9, 9792-9808.	3.6	48
29	Reusable bentonite clay: modelling and optimization of hazardous lead and <i>p</i> -nitrophenol adsorption using a response surface methodology approach. <i>RSC Advances</i> , 2019, 9, 5756-5769.	3.6	35
30	Synthesis of sustainable mesoporous treated fish waste as adsorbent for copper removal. <i>Groundwater for Sustainable Development</i> , 2019, 8, 1-9.	4.6	22
31	Carbonaceous material prepared by ultrasonic assisted pyrolysis from algae (<i>Bifurcaria bifurcata</i>): Response surface modeling of aspirin removal. <i>Surfaces and Interfaces</i> , 2019, 14, 61-71.	3.0	25
32	Cationic dyes adsorption onto high surface area almond shell™ activated carbon: Kinetics, equilibrium isotherms and surface statistical modeling. <i>Materials Today Chemistry</i> , 2018, 8, 121-132.	3.5	141
33	Well-designed WO ₃ /Activated carbon composite for Rhodamine B Removal: Synthesis, characterization, and modeling using response surface methodology. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 389-397.	2.1	53
34	Acridine orange adsorption by zinc oxide/almond shell activated carbon composite: Operational factors, mechanism and performance optimization using central composite design and surface modeling. <i>Journal of Environmental Management</i> , 2018, 206, 383-397.	7.8	115
35	Toward new benchmark adsorbents: preparation and characterization of activated carbon from argan nut shell for bisphenol A removal. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1869-1882.	5.3	81
36	Adsorptive Removal of Methylene Blue and Crystal Violet onto Micro-Mesoporous ZrO ₃ /Activated Carbon Composite: A Joint Experimental and Statistical Modeling Considerations. <i>Journal of Chemistry</i> , 2018, 2018, 1-14.	1.9	36

#	ARTICLE	IF	CITATIONS
37	Steam activation of waste biomass: highly microporous carbon, optimization of bisphenol A, and diuron adsorption by response surface methodology. Environmental Science and Pollution Research, 2018, 25, 35657-35671.	5.3	55
38	Apatitic tricalcium phosphate powder: High sorption capacity of hexavalent chromium removal. Surfaces and Interfaces, 2018, 13, 139-147.	3.0	31
39	Total Oxidation of Dichloromethane over Silica Modified Alumina Catalysts Washcoated on Ceramic Monoliths. Catalysts, 2018, 8, 339.	3.5	7
40	Photo/Electrocatalytic Properties of Nanocrystalline ZnO and La ³⁺ -Doped ZnO: Combined DFT Fundamental Semiconducting Properties and Experimental Study. ChemistrySelect, 2018, 3, 7778-7791.	1.5	34
41	Porous carbon by microwave assisted pyrolysis: An effective and low-cost adsorbent for sulfamethoxazole adsorption and optimization using response surface methodology. Journal of Cleaner Production, 2018, 202, 571-581.	9.3	108
42	Adsorption kinetics and surface modeling of aqueous methylene blue onto activated carbonaceous wood sawdust. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 433-442.	2.1	42
43	Effects of lutetium doping on the X-ray-excited luminescence properties of the tungstate Zn _{1-x} Lu _x WO ₄ . Research on Chemical Intermediates, 2017, 43, 885-899.	2.7	0
44	Synthesis of nanosized TiO ₂ powder by sol gel method at low temperature. Molecular Crystals and Liquid Crystals, 2016, 627, 170-175.	0.9	18
45	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO ₄ ceramics. Ceramics International, 2015, 41, 15193-15201.	4.8	28
46	Mesoporous treated sewage sludge as outstanding low-cost adsorbent for cadmium removal. , 0, 85, 330-338.		33