Qiongfang Wang

List of Publications by Year
in descending order

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53	1,801	361413	276875
papers	citations	20 h-index	41 g-index

53	53	53	1666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrolyte Design for In Situ Construction of Highly Zn²⁺â€Conductive Solid Electrolyte Interphase to Enable Highâ€Performance Aqueous Znâ€ion Batteries under Practical Conditions. Advanced Materials, 2021, 33, e2007416.	21.0	484
2	Bio-inspired design of anin situmultifunctional polymeric solidâ€“electrolyte interphase for Zn metal anode cycling at 30 mA cm^{â¯2}and 30 mA h cm^{â¯2}. Energy and Environmental Science, 2021, 14, 5947-5957.	30.8	289
3	Breaking through the â€œ3.0 eV wallâ€•of energy band gap in mid-infrared nonlinear optical rare earth chalcogenides by charge-transfer engineering. Materials Horizons, 2021, 8, 2330-2334.	12.2	96
4	Degradation of imidacloprid by UV-activated persulfate and peroxymonosulfate processes: Kinetics, impact of key factors and degradation pathway. Ecotoxicology and Environmental Safety, 2020, 187, 109779.	6.0	83
5	Nitrogen and sulfur co-doped biochar derived from peanut shell with enhanced adsorption capacity for diethyl phthalate. Environmental Pollution, 2020, 258, 113674.	7.5	72
6	Formulating and Optimizing a Novel Biochar-Based Fertilizer for Simultaneous Slow-Release of Nitrogen and Immobilization of Cadmium. Sustainability, 2018, 10, 2740.	3.2	51
7	Flocculent Cu Caused by the Jahnâ€“Teller Effect Improved the Performance of Mg-MOF-74 as an Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 52864-52872.	8.0	50
8	The Fabrication of Calcium Alginate Beads as a Green Sorbent for Selective Recovery of Cu(â…¡) from Metal Mixtures. Crystals, 2019, 9, 255.	2.2	47
9	Insight into Adsorption Performance and Mechanism on Efficient Removal of Methylene Blue by Accordion-like V₂CT_x MXene. Journal of Physical Chemistry Letters, 2020, 11, 4253-4260.	4.6	45
10	Highly stable CuInS₂@ZnS:Al core@shell quantum dots: the role of aluminium self-passivation. Chemical Communications, 2015, 51, 8757-8760.	4.1	44
11	Impact of zero valent iron/persulfate preoxidation on disinfection byproducts through chlorination of alachlor. Chemical Engineering Journal, 2020, 380, 122435.	12.7	44
12	Z-scheme heterojunction based on NiWO₄/WO₃ microspheres with enhanced photocatalytic performance under visible light. Dalton Transactions, 2021, 50, 13801-13814.	3.3	44
13	Multifunctional capacity of CoMnFe-LDH/LDO activated peroxymonosulfate for p-arsanilic acid removal and inorganic arsenic immobilization: Performance and surface-bound radical mechanism. Science of the Total Environment, 2022, 806, 150379.	8.0	42
14	The fabrication and arsenic removal performance of cellulose nanocrystal-containing absorbents based on the â€œbridge jointâ€•effect of iron ions. Carbohydrate Polymers, 2020, 237, 116129.	10.2	32
15	Recyclable nitrogen-doped biochar via low-temperature pyrolysis for enhanced lead(II) removal. Chemosphere, 2022, 286, 131666.	8.2	31
16	Preparation and application of amorphous Feâ€“Ti bimetal oxides for arsenic removal. RSC Advances, 2015, 5, 89545-89551.	3.6	26
17	Novel Controlled Release Microspheric Soil Conditioner Based on the Temperature and pH Dual-Stimuli Response. Journal of Agricultural and Food Chemistry, 2020, 68, 7819-7829.	5.2	25
18	Bioremediation of Petroleum Hydrocarbons Using Acinetobacter sp. SCYY-5 Isolated from Contaminated Oil Sludge: Strategy and Effectiveness Study. International Journal of Environmental Research and Public Health, 2021, 18, 819.	2.6	25

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19	Preparation of cross-linked magnetic chitosan with quaternary ammonium and its application for Cr(VI) and P(V) removal. Journal of Environmental Sciences, 2014, 26, 2379-2386.	6.1	22
20	Synthesis and Adsorption Properties of Ca-Al Layered Double Hydroxides for the Removal of Aqueous Fluoride. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	21
21	Novel soil remediation technology for simultaneous organic pollutant catalytic degradation and nitrogen supplementation. Chemical Engineering Journal, 2019, 370, 27-36.	12.7	21
22	Preparation of a novel forpolymer as fluid loss additive for high temperature oil well cementing. Russian Journal of Applied Chemistry, 2014, 87, 1377-1381.	0.5	16
23	Effect of autotrophic denitrification on nitrate migration in sulfide-rich marine sediments. Journal of Soils and Sediments, 2015, 15, 1019-1028.	3.0	16
24	A self-healable, stretchable, tear-resistant and sticky elastomer enabled by a facile polymer blends strategy. Journal of Materials Chemistry A, 2021, 9, 3931-3939.	10.3	15
25	Intermediate volatile organic compounds emissions from vehicles under real world conditions. Science of the Total Environment, 2021, 788, 147795.	8.0	13
26	Preparation and properties of soil conditioner microspheres based on self-assembled potassium alginate and chitosan. International Journal of Biological Macromolecules, 2020, 147, 877-889.	7.5	12
27	Arsenite (III) removal via manganese-decoration on cellulose nanocrystal -grafted polyethyleneimine nanocomposite. Chemosphere, 2022, 303, 134925.	8.2	12
28	Synthesis and performance of fluid loss agents based on different acrylamide monomers. Journal of Petroleum Exploration and Production, 2015, 5, 409-415.	2.4	11
29	Degradation of sulfachloropyridazine by UV-C/persulfate: kinetics, key factors, degradation pathway. Environmental Science: Water Research and Technology, 2020, 6, 2510-2520.	2.4	10
30	Air-pollutant mass concentration changes during COVID-19 pandemic in Shanghai, China. Air Quality, Atmosphere and Health, 2021, 14, 523-532.	3.3	10
31	Synthesis and enhanced photocatalytic activity of the flower-like CdS/Zn₃(PO₄)₂ Z-scheme heteronanostructures. CrystEngComm, 2021, 23, 8291-8300.	2.6	10
32	Effects of MPUV/chlorine oxidation and coexisting bromide, ammonia, and nitrate on DBP formation potential of five typical amino acids. Science of the Total Environment, 2022, 821, 153221.	8.0	8
33	Synthesis and Enhanced Photocatalytic Activity of Visible-Light-Driven Co-Doped Bi2MoO6 Photocatalyst with Flower-Like Nanostructures. Russian Journal of Physical Chemistry A, 2019, 93, 736-742.	0.6	7
34	Synthesis, characterization, and mercury removal application of surface modified kapok fibers with dopamine (DA): investigation of bidentate adsorption. Environmental Earth Sciences, 2020, 79, 1.	2.7	7
35	A Highâ€Performance Alginate Hydrogel Binder for Aqueous Znâ^'Ion Batteries. ChemPhysChem, 2022, 23, .	2.1	7
36	Study on preparation and application of a multifunctional microspheric soil conditioner based on Arabic gum, gelatin, chitosan and Î²-cyclodextrin. International Journal of Biological Macromolecules, 2021, 183, 1851-1860.	7.5	6

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37	Synthesis of magnetic silica with quaternary ammonium salt and its application for chromium(VI) removal. Desalination and Water Treatment, 2015, 55, 173-182.	1.0	5
38	Preparation of Thermo-Sensitive Magnetic Cationic Hydrogel for the Adsorption of Reactive Red Dye. Journal of Dispersion Science and Technology, 2015, 36, 714-722.	2.4	5
39	Dual Effects of Humic Acid in Trichloroethylene Removal from Groundwater by Zero-Valent Iron: Hydrophobic Partition and Surface Adsorption. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	5
40	Uptake and toxicity studies of magnetic TiO2-Based nanophotocatalyst in Arabidopsis thaliana. Chemosphere, 2019, 224, 658-667.	8.2	5
41	A polyA DNA probe-based ultra-sensitive and structure-distinguishable electrochemical biosensor for the analysis of RNAi transgenic maize. Analyst, The, 2021, 146, 3526-3533.	3.5	5
42	Performance of diatomite/iron oxide modified nonwoven membrane used in membrane bioreactor process for wastewater reclamation. Water Science and Technology, 2014, 70, 533-539.	2.5	4
43	Diatomite- and polyvinyl alcohol-modified nonwoven fabric in membrane bioreactor for wastewater reclamation. Desalination and Water Treatment, 2016, 57, 2952-2958.	1.0	3
44	Response Surface Optimization of an Extraction Method for the Simultaneous Detection of Sulfamethoxazole and 17Î²-Estradiol in Soil. Molecules, 2020, 25, 1415.	3.8	3
45	Numerical Simulations of Air Flow and Traffic–Related Air Pollution Distribution in a Real Urban Area. Energies, 2022, 15, 840.	3.1	3
46	COVID-19 pandemic: impacts on air quality and economy before, during and after lockdown in China in 2020. Environmental Technology (United Kingdom), 2023, 44, 3063-3073.	2.2	3
47	Development of pattern recognition based on nanosheet–DNA probes and an extendable DNA library. Analyst, The, 2021, 146, 4803-4810.	3.5	2
48	Sources and risk assessment of metal contamination in soils at the international airport of Shanghai, China. Toxicological and Environmental Chemistry, 2015, , 1-9.	1.2	1
49	Microwave–assisted Synthesis, Crystal Structures, and Thermal Stability of C₁₁H₁₀N₂Cu₂Br₃ and C₂₂H₂₀N₄Cu₈I₁₀. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1754-1759.	1.2	1
50	Degradation of sulfadiazine by UV/Oxone: roles of reactive oxidative species and the formation of disinfection byproducts. Environmental Science and Pollution Research, 2022, 29, 54407-54420.	5.3	1
51	The photocatalytic performance and mechanism of magnetically retrievable Z-scheme Cr₂O₃–Fe₃O₄/C hetero-nanostructure polyhedra. New Journal of Chemistry, 0, , .	2.8	1
52	1,3-Dichloropropene and chloropicrin emission reduction using a flexible CuInS2/ZnS:Al-TiO2 photocatalytic film. Environmental Science and Pollution Research, 2021, 28, 6980-6989.	5.3	0
53	High-efficient removal of Cu(II) using biochar/ZnS composite: optimized by response surface methodology. Journal of Dispersion Science and Technology, 0, , 1-11.	2.4	0