

Weigao Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

817
citations

623734

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501196

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all docs

32
docs citations

32
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Field study on the characteristics of scales in damaged multi-material water supply pipelines: Insights into heavy metal and biological stability. <i>Journal of Hazardous Materials</i> , 2022, 424, 127324.	12.4	15
2	Cr release after Cr(III) and Cr(VI) enrichment from different layers of cast iron corrosion scales in drinking water distribution systems: the impact of pH, temperature, sulfate, and chloride. <i>Environmental Science and Pollution Research</i> , 2022, 29, 18778-18792.	5.3	11
3	Band-Stop Filtering Method of Combining Functions of Butterworth and Hann Windows to Ultrasonic Guided Wave. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022, 13, .	1.6	3
4	Study on the occurrence of typical heavy metals in drinking water and corrosion scales in a large community in northern China. <i>Chemosphere</i> , 2022, 290, 133145.	8.2	13
5	Characteristics of vanadium release from layered steel pipe scales to bulk, steady, and occluded water in drinking water distribution systems. <i>Science of the Total Environment</i> , 2022, 838, 156465.	8.0	6
6	Cotransport and deposition of colloidal polystyrene microplastic particles and tetracycline in porous media: The impact of ionic strength and cationic types. <i>Science of the Total Environment</i> , 2021, 753, 142064.	8.0	42
7	Co-release potential and human health risk of heavy metals from galvanized steel pipe scales under stagnation conditions of drinking water. <i>Chemosphere</i> , 2021, 267, 129270.	8.2	27
8	Preparation and characteristics of a magnetic carbon nanotube adsorbent: Its efficient adsorption and recoverable performances. <i>Separation and Purification Technology</i> , 2021, 257, 117917.	7.9	47
9	Accumulation of vanadium and arsenic by cast iron pipe scales under drinking water conditions: A batch study. <i>Chemosphere</i> , 2021, 269, 129396.	8.2	14
10	Transport and Retention of Free-Living Amoeba Spores in Porous Media: Effects of Operational Parameters and Extracellular Polymeric Substances. <i>Environmental Science & Technology</i> , 2021, 55, 8709-8720.	10.0	14
11	Multiple antibiotics distribution in drinking water and their co-adsorption behaviors by different size fractions of natural particles. <i>Science of the Total Environment</i> , 2021, 775, 145846.	8.0	17
12	Co-transport and retention of zwitterionic ciprofloxacin with nano-biochar in saturated porous media: Impact of oxidized aging. <i>Science of the Total Environment</i> , 2021, 779, 146417.	8.0	18
13	Removal of Cu(II) ions from aqueous solution by a magnetic multi-wall carbon nanotube adsorbent. <i>Chemical Engineering Journal Advances</i> , 2021, 8, 100184.	5.2	10
14	Preparation of CuO/Al ₂ O ₃ catalyst for degradation of azo dyes (reactive brilliant red 3B): An optimization study. <i>Journal of Cleaner Production</i> , 2021, 328, 129624.	9.3	11
15	Corrosion behavior and mechanism of ductile iron with different degrees of deterioration of cement mortar lining in reclaimed water pipelines. <i>RSC Advances</i> , 2020, 10, 39627-39639.	3.6	6
16	Adverse physiological and molecular level effects of polystyrene microplastics on freshwater microalgae. <i>Chemosphere</i> , 2020, 255, 126914.	8.2	98
17	Investigation for Synergies of Ionic Strength and Flow Velocity on Colloidal-Sized Microplastic Transport and Deposition in Porous Media Using the Colloidal AFM Probe. <i>Langmuir</i> , 2020, 36, 6292-6303.	3.5	36
18	Structural-damage localization using ultrasonic guided waves based on the lossless filtering method. <i>Smart Materials and Structures</i> , 2020, 29, 075024.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Antifouling mechanism of the additive-free β -PVDF membrane in water purification process: Relating the surface electron donor monopolarity to membrane-foulant interactions. <i>Journal of Membrane Science</i> , 2020, 601, 117873.	8.2	27
20	Enhanced adsorption of Orange II on bagasse-derived biochar by direct addition of CTAB. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1274-1280.	2.7	8
21	Transport and retention of <i>Microcystis aeruginosa</i> in porous media: Impacts of ionic strength, flow rate, media size and pre-oxidization. <i>Water Research</i> , 2019, 162, 277-287.	11.3	27
22	Characteristics and performance of PVDF membrane prepared by using NaCl coagulation bath: Relationship between membrane polymorphous structure and organic fouling. <i>Journal of Membrane Science</i> , 2019, 579, 22-32.	8.2	65
23	Synergies of media surface roughness and ionic strength on particle deposition during filtration. <i>Water Research</i> , 2017, 114, 286-295.	11.3	30
24	Preparation of La-modified magnetic composite for enhanced adsorptive removal of tetracycline. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17127-17135.	5.3	10
25	Efficient adsorption removal of tetracycline by layered carbon particles prepared from seaweed biomass. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 59-65.	2.3	14
26	Effect of a magnetic field on the adsorptive removal of methylene blue onto wheat straw biochar. <i>Bioresource Technology</i> , 2016, 206, 16-22.	9.6	139
27	Synergetic degradation of Acid Orange 7 by fly ash under ultrasonic irradiation. <i>Desalination and Water Treatment</i> , 2016, 57, 2167-2174.	1.0	8
28	Identification and characterization of steady and occluded water in drinking water distribution systems. <i>Chemosphere</i> , 2015, 119, 1141-1147.	8.2	20
29	Efficient adsorption behavior of phosphate on La-modified tourmaline. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 515-522.	6.7	53
30	Sonocatalytic degradation of methylene blue using biochars derived from sugarcane bagasse. , 0, 88, 122-127.		6
31	n of tetracycline and cefradine using biochar derived from seaweed <i>Sargassum sp.</i> , 0, 160, 316-324.		18