Weigao Zhao

List of Publications by Year
in descending order

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		623734	501196
31	817	14	28
papers	citations	h-index	g-index

32	32	32	858
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of a magnetic field on the adsorptive removal of methylene blue onto wheat straw biochar. Bioresource Technology, 2016, 206, 16-22.	9.6	139
2	Adverse physiological and molecular level effects of polystyrene microplastics on freshwater microalgae. Chemosphere, 2020, 255, 126914.	8.2	98
3	Characteristics and performance of PVDF membrane prepared by using NaCl coagulation bath: Relationship between membrane polymorphous structure and organic fouling. Journal of Membrane Science, 2019, 579, 22-32.	8.2	65
4	Efficient adsorption behavior of phosphate on La-modified tourmaline. Journal of Environmental Chemical Engineering, 2015, 3, 515-522.	6.7	53
5	Preparation and characteristics of a magnetic carbon nanotube adsorbent: Its efficient adsorption and recoverable performances. Separation and Purification Technology, 2021, 257, 117917.	7.9	47
6	Cotransport and deposition of colloidal polystyrene microplastic particles and tetracycline in porous media: The impact of ionic strength and cationic types. Science of the Total Environment, 2021, 753, 142064.	8.0	42
7	Investigation for Synergies of Ionic Strength and Flow Velocity on Colloidal-Sized Microplastic Transport and Deposition in Porous Media Using the Colloidalâ€“AFM Probe. Langmuir, 2020, 36, 6292-6303.	3.5	36
8	Synergies of media surface roughness and ionic strength on particle deposition during filtration. Water Research, 2017, 114, 286-295.	11.3	30
9	Transport and retention of Microcystis aeruginosa in porous media: Impacts of ionic strength, flow rate, media size and pre-oxidization. Water Research, 2019, 162, 277-287.	11.3	27
10	Antifouling mechanism of the additive-free Î²-PVDF membrane in water purification process: Relating the surface electron donor monopolarity to membrane-foulant interactions. Journal of Membrane Science, 2020, 601, 117873.	8.2	27
11	Co-release potential and human health risk of heavy metals from galvanized steel pipe scales under stagnation conditions of drinking water. Chemosphere, 2021, 267, 129270.	8.2	27
12	Identification and characterization of steady and occluded water in drinking water distribution systems. Chemosphere, 2015, 119, 1141-1147.	8.2	20
13	Co-transport and retention of zwitterionic ciprofloxacin with nano-biochar in saturated porous media: Impact of oxidized aging. Science of the Total Environment, 2021, 779, 146417.	8.0	18
14	n of tetracycline and cefradine using biochar derived from seaweed Sargassum sp.. , 0, 160, 316-324.		18
15	Multiple antibiotics distribution in drinking water and their co-adsorption behaviors by different size fractions of natural particles. Science of the Total Environment, 2021, 775, 145846.	8.0	17
16	Field study on the characteristics of scales in damaged multi-material water supply pipelines: Insights into heavy metal and biological stability. Journal of Hazardous Materials, 2022, 424, 127324.	12.4	15
17	Efficient adsorption removal of tetracycline by layered carbon particles prepared from seaweed biomass. Environmental Progress and Sustainable Energy, 2017, 36, 59-65.	2.3	14
18	Accumulation of vanadium and arsenic by cast iron pipe scales under drinking water conditions: A batch study. Chemosphere, 2021, 269, 129396.	8.2	14

#	Article	IF	Citations
19	Transport and Retention of Free-Living Amoeba Spores in Porous Media: Effects of Operational Parameters and Extracellular Polymeric Substances. Environmental Science & Technology, 2021, 55, 8709-8720.	10.0	14
20	Study on the occurrence of typical heavy metals in drinking water and corrosion scales in a large community in northern China. Chemosphere, 2022, 290, 133145.	8.2	13
21	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. Environmental Science and Pollution Research, 2022, 29, 18778-18792.	5.3	11
22	Preparation of CuO/Î³Al2O3 catalyst for degradation of azo dyes (reactive brilliant red Xâ€“3B): An optimization study. Journal of Cleaner Production, 2021, 328, 129624.	9.3	11
23	Preparation of La-modified magnetic composite for enhanced adsorptive removal of tetracycline. Environmental Science and Pollution Research, 2017, 24, 17127-17135.	5.3	10
24	Removal of Cu(â…¡) ions from aqueous solution by a magnetic multi-wall carbon nanotube adsorbent. Chemical Engineering Journal Advances, 2021, 8, 100184.	5.2	10
25	Synergetic degradation of Acid Orange 7 by fly ash under ultrasonic irradiation. Desalination and Water Treatment, 2016, 57, 2167-2174.	1.0	8
26	Enhanced adsorption of Orange II on bagasse-derived biochar by direct addition of CTAB. Korean Journal of Chemical Engineering, 2019, 36, 1274-1280.	2.7	8
27	Corrosion behavior and mechanism of ductile iron with different degrees of deterioration of cement mortar lining in reclaimed water pipelines. RSC Advances, 2020, 10, 39627-39639.	3.6	6
28	Sonocatalytic degradation of methylene blue using biochars derived from sugarcane bagasse. , 0, 88, 122-127.		6
29	Characteristics of vanadium release from layered steel pipe scales to bulk, steady, and occluded water in drinking water distribution systems. Science of the Total Environment, 2022, 838, 156465.	8.0	6
30	Structural-damage localization using ultrasonic guided waves based on the lossless filtering method. Smart Materials and Structures, 2020, 29, 075024.	3.5	4
31	Band-Stop Filtering Method of Combining Functions of Butterworth and Hann Windows to Ultrasonic Guided Wave. Journal of Pipeline Systems Engineering and Practice, 2022, 13, .	1.6	3