Taotao Lu

List of Publications by Year
in descending order

32 papers	595 citations	567281 15 h-index	642732 23 g-index
32 all docs	32 docs citations	32 times ranked	327 citing authors

#	Article	IF	Citations
1	Transport of Cd2+ through saturated porous media: Insight into the effects of low-molecular-weight organic acids. Water Research, 2020, 168, 115182.	11.3	54
2	Effect of phosphate on the adsorption of antibiotics onto iron oxide minerals: Comparison between tetracycline and ciprofloxacin. Ecotoxicology and Environmental Safety, 2020, 205, 111345.	6.0	51
3	Effects of clay minerals on transport of graphene oxide in saturated porous media. Environmental Toxicology and Chemistry, 2017, 36, 655-660.	4.3	38
4	Inhibitory role of citric acid in the adsorption of tetracycline onto biochars: Effects of solution pH and Cu2+. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 595, 124731.	4.7	36
5	Effects of low-molecular weight organic acids on the transport of graphene oxide nanoparticles in saturated sand columns. Science of the Total Environment, 2019, 666, 94-102.	8.0	35
6	Effects of clay colloids on ciprofloxacin transport in saturated quartz sand porous media under different solution chemistry conditions. Ecotoxicology and Environmental Safety, 2020, 199, 110754.	6.0	32
7	Hydrochemical characteristics and health risk assessment of groundwater in karst areas of southwest China: A case study of Bama, Guangxi. Journal of Cleaner Production, 2022, 341, 130872.	9.3	32
8	Strontium in public drinking water and associated public health risks in Chinese cities. Environmental Science and Pollution Research, 2021, 28, 23048-23059.	5.3	30
9	Effects of clay minerals on the transport of nanoplastics through water-saturated porous media. Science of the Total Environment, 2021, 796, 148982.	8.0	28
10	Enhanced transport of heavy metal ions by low-molecular-weight organic acids in saturated porous media: Link complex stability constants to heavy metal mobility. Chemosphere, 2022, 290, 133339.	8.2	27
11	Insights into the mutual promotion effect of graphene oxide nanoparticles and tetracycline on their transport in saturated porous media. Environmental Pollution, 2021, 268, 115730.	7.5	25
12	Effects of solution chemistry on the attachment of graphene oxide onto clay minerals. Environmental Sciences: Processes and Impacts, 2019, 21, 506-513.	3.5	19
13	Effects of divalent metal cations and inorganic anions on the transport of tetracycline in saturated porous media: column experiments and numerical simulations. Environmental Sciences: Processes and Impacts, 2019, 21, 1153-1163.	3.5	18
14	Insights into the molecular mechanism of tetracycline transport in saturated porous media affected by low-molecular-weight organic acids: Role of the functional groups and molecular size. Science of the Total Environment, 2021, 799, 149361.	8.0	18
15	Effects of phosphate on the transport of graphene oxide nanoparticles in saturated clean and iron oxide-coated sand columns. Journal of Environmental Sciences, 2021, 103, 80-92.	6.1	17
16	Transport of graphene oxide nanoparticles in saturated kaolinite- and goethite-coated sand columns: effects of low-molecular-weight organic acids. Environmental Science and Pollution Research, 2019, 26, 24922-24932.	5.3	16
17	Colloid-mediated transport of tetracycline in saturated porous media: Comparison between ferrihydrite and montmorillonite. Journal of Environmental Management, 2021, 299, 113638.	7.8	16
18	Relevance of Iron Oxyhydroxide and Pore Water Chemistry on the Mobility of Nanoplastic Particles in Water-Saturated Porous Media Environments. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	14

#	Article	IF	Citations
19	Elements in potable groundwater in Rugao longevity area, China: Hydrogeochemical characteristics, enrichment patterns and health assessments. Ecotoxicology and Environmental Safety, 2021, 218, 112279.	6.0	14
20	Graphene oxide nanoparticles and hematite colloids behave oppositely in their co-transport in saturated porous media. Chemosphere, 2021, 265, 129081.	8.2	13
21	Factors affecting the transport of petroleum colloids in saturated porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124134.	4.7	12
22	Role of solution chemistry in the attachment of graphene oxide nanoparticles onto iron oxide minerals with different characteristics. Environmental Science and Pollution Research, 2021, 28, 5126-5136.	5.3	12
23	Adsorption behavior and mechanism of tetracycline onto hematite: Effects of low-molecular-weight organic acids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128546.	4.7	8
24	Trace elements in public drinking water in Chinese cities: Insights from their health risks and mineral nutrition assessments. Journal of Environmental Management, 2022, 318, 115540.	7.8	6
25	Insight into the inhibitory mechanism of soluble ionic liquids on the transport of TiO2 nanoparticles in saturated porous media: Roles of alkyl chain lengths and counteranion types. Journal of Hazardous Materials, 2021, 418, 126367.	12.4	5
26	Surfactants-mediated the enhanced mobility of tetracycline in saturated porous media and its variation with aqueous chemistry. Chemosphere, 2022, 302, 134887.	8.2	4
27	Hydrochemical characteristics and quality assessment of shallow groundwater in Yangtze River Delta of eastern China. Environmental Science and Pollution Research, 2022, 29, 57215-57231.	5.3	3
28	Transport of tetracycline in saturated porous media: combined functions of inorganic ligands and solution pH. Environmental Sciences: Processes and Impacts, 2022, 24, 1071-1081.	3.5	3
29	Insight into the effect of phosphate on ferrihydrite colloid-mediated transport of tetracycline in saturated porous media. Environmental Science and Pollution Research, 2022, 29, 80693-80704.	5.3	3
30	The mechanisms involved into the inhibitory effects of ionic liquids chemistry on adsorption performance of ciprofloxacin onto inorganic minerals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129422.	4.7	3
31	The mechanisms of water transport in the capillary fringe: sandbox experiments and numerical studies. International Journal of Environmental Science and Technology, 2022, 19, 5791-5802.	3.5	2
32	Insights into the effect of citric acid on the carbon dot-mediated transport of Cd²⁺ through saturated porous media. Environmental Science: Nano, 2022, 9, 2061-2072.	4.3	1