Yuanyuan Liu

List of Publications by Year
in descending order

34	930	516215 16	454577 30
papers	citations	h-index	g-index

35	35	35	1416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retention of graphene oxide and reduced graphene oxide in porous media: Diffusion-attachment, interception-attachment and straining. Journal of Hazardous Materials, 2022, 431, 128635.	6.5	16
2	Arsenate Adsorption on Different Fractions of Iron Oxides in the Paddy Soil from the Karst Region of China. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 126-133.	1.3	7
3	Recent progress in multiâ€scale modeling and simulation of flow and solute transport in porous media. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1561.	2.8	7
4	Modeling hydro-biogeochemical transformation of chromium in hyporheic zone: Effects of spatial and temporal resolutions. Journal of Hydrology, 2019, 579, 124152.	2.3	3
5	Pharmacodynamic and urinary metabolomics studies on the mechanism of Schisandra polysaccharide in the treatment of Alzheimer's disease. Food and Function, 2019, 10, 432-447.	2.1	43
6	Deposition of protein-coated multi-walled carbon nanotubes on oxide surfaces and the retention in a silicon micromodel. Journal of Hazardous Materials, 2019, 375, 107-114.	6.5	10
7	Compositional changes of dissolved organic carbon during its dynamic desorption from hyporheic zone sediments. Science of the Total Environment, 2019, 658, 16-23.	3.9	40
8	Effect of ion exchange on the rate of aerobic microbial oxidation of ammonium in hyporheic zone sediments. Environmental Science and Pollution Research, 2018, 25, 8880-8887.	2.7	7
9	A Generalized-Rate Model for Describing and Scaling Redox Kinetics in Sediments Containing Variable Redox-Reactive Materials. Environmental Science & Technology, 2018, 52, 5268-5276.	4.6	3
10	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. Environmental Sciences: Processes and Impacts, 2018, 20, 1089-1122.	1.7	180
11	Modelâ€Based Analysis of the Effects of Damâ€Induced River Water and Groundwater Interactions on Hydroâ€Biogeochemical Transformation of Redox Sensitive Contaminants in a Hyporheic Zone. Water Resources Research, 2018, 54, 5973-5985.	1.7	27
12	Identification of Hydrobiogeochemical Processes Controlling Seasonal Variations in Arsenic Concentrations Within a Riverbank Aquifer at Jianghan Plain, China. Water Resources Research, 2018, 54, 4294-4308.	1.7	21
13	Effect of Water Chemistry and Hydrodynamics on Nitrogen Transformation Activity and Microbial Community Functional Potential in Hyporheic Zone Sediment Columns. Environmental Science & Technology, 2017, 51, 4877-4886.	4.6	79
14	Targeted quantification of functional enzyme dynamics in environmental samples for microbially mediated biogeochemical processes. Environmental Microbiology Reports, 2017, 9, 512-521.	1.0	16
15	Coupled Hydro-Biogeochemical Processes Controlling Cr Reductive Immobilization in Columbia River Hyporheic Zone. Environmental Science & Technology, 2017, 51, 1508-1517.	4.6	44
16	Redox transformation and reductive immobilization of Cr(VI) in the Columbia River hyporheic zone sediments. Journal of Hydrology, 2017, 555, 278-287.	2.3	18
17	Multiscale Investigation on Biofilm Distribution and Its Impact on Macroscopic Biogeochemical Reaction Rates. Water Resources Research, 2017, 53, 8698-8714.	1.7	26
18	Pore-scale investigation on the response of heterotrophic respiration to moisture conditions in heterogeneous soils. Biogeochemistry, 2016, 131, 121-134.	1.7	54

#	Article	IF	Citations
19	Nitrate bioreduction in redox-variable low permeability sediments. Science of the Total Environment, 2016, 539, 185-195.	3.9	32
20	6. Pore-Scale Process Coupling and Effective Surface Reaction Rates in Heterogeneous Subsurface Materials. , 2015, , 191-216.		1
21	Ammonia gas transport and reactions in unsaturated sediments: Implications for use as an amendment to immobilize inorganic contaminants. Journal of Hazardous Materials, 2015, 289, 118-129.	6.5	13
22	Pore and continuum scale study of the effect of subgrid transport heterogeneity on redox reaction rates. Geochimica Et Cosmochimica Acta, 2015, 163, 140-155.	1.6	16
23	Pore-Scale Process Coupling and Effective Surface Reaction Rates in Heterogeneous Subsurface Materials. Reviews in Mineralogy and Geochemistry, 2015, 80, 191-216.	2.2	31
24	⁹⁹Tc(VII) Retardation, Reduction, and Redox Rate Scaling in Naturally Reduced Sediments. Environmental Science & Technology, 2015, 49, 13403-13412.	4.6	15
25	Inactivation mechanisms of cryptosporidium parvum oocysts by solar ultraviolet irradiation. Environmental Science: Water Research and Technology, 2015, 1, 188-198.	1.2	17
26	Role of Collector Alternating Charged Patches on Transport of Cryptosporidium parvum Oocysts in a Patchwise Charged Heterogeneous Micromodel. Environmental Science & Technology, 2013, 47, 2670-2678.	4.6	17
27	Transport of Cryptosporidium parvum Oocysts in a Silicon Micromodel. Environmental Science & Technology, 2012, 46, 1471-1479.	4.6	15
28	Photocatalytic degradation pathways and adsorption modes of H-acid in TiO2 suspensions. Science Bulletin, 2012, 57, 1102-1108.	1.7	8
29	Role of Divalent Cations on Deposition of Cryptosporidium parvum Oocysts on Natural Organic Matter Surfaces. Environmental Science & Technology, 2010, 44, 4519-4524.	4.6	34
30	Composition and Conformation of Cryptosporidium parvum Oocyst Wall Surface Macromolecules and Their Effect on Adhesion Kinetics of Oocysts on Quartz Surface. Biomacromolecules, 2010, 11, 2109-2115.	2.6	18
31	Deposition of Cryptosporidium parvum Oocysts on Natural Organic Matter Surfaces: Microscopic Evidence for Secondary Minimum Deposition in a Radial Stagnation Point Flow Cell. Langmuir, 2009, 25, 1594-1605.	1.6	58
32	Reversible fluorescence modulation based on photochromic diarylethene and fluorescent coumarin. Journal of Materials Research, 2007, 22, 1558-1563.	1.2	11
33	Basic amino acid induced isomerization of a spiropyran: towards visual recognition of basic amino acids in water. New Journal of Chemistry, 2007, 31, 1878.	1.4	32
34	Photochromism induced aggregate-monomer interconversion and fluorescence switch of porphyrin with spiropyran. Journal of Physical Organic Chemistry, 2007, 20, 884-887.	0.9	9