

Yuanyuan Sun

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,436
citations

257450

24
h-index

206112

48
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65
all docs

65
docs citations

65
times ranked

2621
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO ₂ and ZnO nanoparticles negatively affect wheat growth and soil enzyme activities in agricultural soil. <i>Journal of Environmental Monitoring</i> , 2011, 13, 822.	2.1	482
2	Transport, retention, and size perturbation of graphene oxide in saturated porous media: Effects of input concentration and grain size. <i>Water Research</i> , 2015, 68, 24-33.	11.3	176
3	Transport of polystyrene nanoplastics in natural soils: Effect of soil properties, ionic strength and cation type. <i>Science of the Total Environment</i> , 2020, 707, 136065.	8.0	148
4	Bioaccumulation, depuration and oxidative stress in fish <i>Carassius auratus</i> under phenanthrene exposure. <i>Chemosphere</i> , 2006, 63, 1319-1327.	8.2	123
5	Removal of levofloxacin from aqueous solution using rice-husk and wood-chip biochars. <i>Chemosphere</i> , 2016, 150, 694-701.	8.2	119
6	MIL series of metal organic frameworks (MOFs) as novel adsorbents for heavy metals in water: A review. <i>Journal of Hazardous Materials</i> , 2022, 429, 128271.	12.4	105
7	Graphene oxide as filter media to remove levofloxacin and lead from aqueous solution. <i>Chemosphere</i> , 2016, 150, 759-764.	8.2	74
8	One-step detection of microRNA with high sensitivity and specificity via target-triggered loop-mediated isothermal amplification (TT-LAMP). <i>Chemical Communications</i> , 2017, 53, 11040-11043.	4.1	66
9	A novel restriction endonuclease <i>GlaI</i> for rapid and highly sensitive detection of DNA methylation coupled with isothermal exponential amplification reaction. <i>Chemical Science</i> , 2018, 9, 1344-1351.	7.4	65
10	Retention and transport of graphene oxide in water-saturated limestone media. <i>Chemosphere</i> , 2017, 180, 506-512.	8.2	58
11	Effects of grain size and structural heterogeneity on the transport and retention of nano-TiO ₂ in saturated porous media. <i>Science of the Total Environment</i> , 2016, 563-564, 987-995.	8.0	53
12	Graphene oxide-facilitated transport of levofloxacin and ciprofloxacin in saturated and unsaturated porous media. <i>Journal of Hazardous Materials</i> , 2018, 348, 92-99.	12.4	52
13	Retention and Release of Graphene Oxide in Structured Heterogeneous Porous Media under Saturated and Unsaturated Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 10397-10405.	10.0	49
14	Removal of tetrachloroethylene from homogeneous and heterogeneous porous media: Combined effects of surfactant solubilization and oxidant degradation. <i>Chemical Engineering Journal</i> , 2016, 283, 595-603.	12.7	48
15	Physicochemical factors controlling the retention and transport of perfluorooctanoic acid (PFOA) in saturated sand and limestone porous media. <i>Water Research</i> , 2018, 141, 251-258.	11.3	46
16	Effects of Humic Acid and Solution Chemistry on the Retention and Transport of Cerium Dioxide Nanoparticles in Saturated Porous Media. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	45
17	Transport and retention of perfluorooctanoic acid (PFOA) in natural soils: Importance of soil organic matter and mineral contents, and solution ionic strength. <i>Journal of Contaminant Hydrology</i> , 2019, 225, 103477.	3.3	45
18	Effects of ionic strength and cation type on the transport of perfluorooctanoic acid (PFOA) in unsaturated sand porous media. <i>Journal of Hazardous Materials</i> , 2021, 403, 123688.	12.4	44

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19	Influence of flow velocity and spatial heterogeneity on DNAPL migration in porous media: insights from laboratory experiments and numerical modelling. <i>Hydrogeology Journal</i> , 2015, 23, 1703-1718.	2.1	38
20	Importance of Al/Fe oxyhydroxide coating and ionic strength in perfluorooctanoic acid (PFOA) transport in saturated porous media. <i>Water Research</i> , 2020, 175, 115685.	11.3	34
21	Response of cucumber (<i>Cucumis sativus</i>) to perfluorooctanoic acid in photosynthesis and metabolomics. <i>Science of the Total Environment</i> , 2020, 724, 138257.	8.0	33
22	Influence of Size and Phase on the Biodegradation, Excretion, and Phytotoxicity Persistence of Single-Layer Molybdenum Disulfide. <i>Environmental Science & Technology</i> , 2020, 54, 12295-12306.	10.0	32
23	Porous nano-cerium oxide wood chip biochar composites for aqueous levofloxacin removal and sorption mechanism insights. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25629-25637.	5.3	28
24	Treatment technologies for selenium contaminated water: A critical review. <i>Environmental Pollution</i> , 2022, 299, 118858.	7.5	25
25	Transport of sulfacetamide and levofloxacin in granular porous media under various conditions: Experimental observations and model simulations. <i>Science of the Total Environment</i> , 2016, 573, 1630-1637.	8.0	24
26	Removal of Levofloxacin from aqueous solution by Magnesium-impregnated Biochar: batch and column experiments. <i>Chemical Speciation and Bioavailability</i> , 2018, 30, 68-75.	2.0	24
27	Importance of surface roughness on perfluorooctanoic acid (PFOA) transport in unsaturated porous media. <i>Environmental Pollution</i> , 2020, 266, 115343.	7.5	24
28	Biodegradation of Pyrene by Free and Immobilized Cells of <i>Herbaspirillum chlorophenolicum</i> Strain FA1. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	21
29	Effects of surface active agents on DNAPL migration and distribution in saturated porous media. <i>Science of the Total Environment</i> , 2016, 571, 1147-1154.	8.0	21
30	Environmental fate of phenanthrene in lysimeter planted with wheat and rice in rotation. <i>Journal of Hazardous Materials</i> , 2011, 188, 408-413.	12.4	19
31	A Clamp-Based One-Step Droplet Digital Reverse Transcription PCR (ddRT-PCR) for Precise Quantitation of Messenger RNA Mutation in Single Cells. <i>ACS Sensors</i> , 2018, 3, 1795-1801.	7.8	18
32	Visualization of graphene oxide transport in two-dimensional homogeneous and heterogeneous porous media. <i>Journal of Hazardous Materials</i> , 2019, 369, 334-341.	12.4	18
33	Triterpenes derived from hydrolyzate of total <i>Gynostemma pentaphyllum</i> saponins with anti-hepatic fibrosis and protective activity against H ₂ O ₂ -induced injury. <i>Phytochemistry</i> , 2017, 144, 226-232.	2.9	16
34	Delineation of contaminant plume for an inorganic contaminated site using electrical resistivity tomography: comparison with direct-push technique. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 187.	2.7	16
35	Retention and Transport of Bisphenol A and Bisphenol S in Saturated Limestone Porous Media. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	16
36	Effects of Temperature, Solution pH, and Ball-Milling Modification on the Adsorption of Non-steroidal Anti-inflammatory Drugs onto Biochar. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 422-427.	2.7	14

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37	Assessing human health risk of groundwater DNAPL contamination by quantifying the model structure uncertainty. <i>Journal of Hydrology</i> , 2020, 584, 124690.	5.4	14
38	Evaluation of Gaussian process regression kernel functions for improving groundwater prediction. <i>Journal of Hydrology</i> , 2021, 603, 126960.	5.4	12
39	Synchronization-Based Key Distribution Utilizing Information Reconciliation. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-8.	1.9	11
40	Integrating MT-DREAMzs and nested sampling algorithms to estimate marginal likelihood and comparison with several other methods. <i>Journal of Hydrology</i> , 2018, 563, 750-765.	5.4	11
41	Transport of a PAH-degrading bacterium in saturated limestone media under various physicochemical conditions: Common and unexpected retention and remobilization behaviors. <i>Journal of Hazardous Materials</i> , 2019, 380, 120858.	12.4	11
42	Effect of root exudates on the stability and transport of graphene oxide in saturated porous media. <i>Journal of Hazardous Materials</i> , 2021, 413, 125362.	12.4	11
43	Importance of Organic Matter to the Retention and Transport of Bisphenol A and Bisphenol S in Saturated Soils. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	10
44	Effects of anionic hydrocarbon surfactant on the transport of perfluorooctanoic acid (PFOA) in natural soils. <i>Environmental Science and Pollution Research</i> , 2022, 29, 24672-24681.	5.3	10
45	Mesoporous nanocrystalline zirconium oxide: novel preparation and photoluminescence property. <i>Journal of Porous Materials</i> , 2011, 18, 57-67.	2.6	9
46	Comprehensive evaluation of shallow groundwater quality in Central and Southern Jiangsu Province, China. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	9
47	Retention and Transport of PAH-Degrading Bacterium <i>Herbaspirillum chlorophenolicum</i> FA1 in Saturated Porous Media Under Various Physicochemical Conditions. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	9
48	Cotransport of <i>Herbaspirillum chlorophenolicum</i> FA1 and heavy metals in saturated porous media: Effect of ion type and concentration. <i>Environmental Pollution</i> , 2019, 254, 112940.	7.5	9
49	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. <i>Journal of Contaminant Hydrology</i> , 2020, 230, 103603.	3.3	9
50	USH2A Mutation is Associated With Tumor Mutation Burden and Antitumor Immunity in Patients With Colon Adenocarcinoma. <i>Frontiers in Genetics</i> , 2021, 12, 762160.	2.3	9
51	Transport of perfluorooctanoic acid in unsaturated porous media mediated by SDBS. <i>Journal of Hydrology</i> , 2022, 607, 127479.	5.4	9
52	Effect of cation type in mixed Ca-Na systems on transport of sulfonamide antibiotics in saturated limestone porous media. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11170-11178.	5.3	8
53	Joint inversion of physical and geochemical parameters in groundwater models by sequential ensemble-based optimal design. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1919-1937.	4.0	7
54	Groundwater contaminant source identification via Bayesian model selection and uncertainty quantification. <i>Hydrogeology Journal</i> , 2019, 27, 2907-2918.	2.1	7

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55	Effects of hypoxia on the biological behavior of MSCs seeded in demineralized bone scaffolds with different stiffness. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 309-320.	3.4	7
56	Structure and mechanical property of polylactide fibers manufactured by air drawing. <i>Textile Reseach Journal</i> , 2016, 86, 948-959.	2.2	6
57	Elevated CO ₂ levels alleviated toxicity of ZnO nanoparticles to rice and soil bacteria. <i>Science of the Total Environment</i> , 2022, 804, 149822.	8.0	6
58	CuO nanoparticles modify bioaccumulation of perfluorooctanoic acid in radish (<i>Raphanus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	3.0	5
59	Size-dependent biological effect of copper oxide nanoparticles exposure on cucumber (<i>Cucumis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.3	5
60	Assessing titanium dioxide nanoparticles transport models by Bayesian uncertainty analysis. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 3365-3379.	4.0	4
61	Combined Effects of Fe/Al Oxyhydroxide Coating and pH on Polystyrene Nanoplastic Transport in Saturated Sand Media. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	3
62	The Co-application of Willow and Earthworms/Horseradish for Removal of Pentachlorophenol from Contaminated Soils. <i>Soil and Sediment Contamination</i> , 2013, 22, 498-509.	1.9	2
63	Effect of Residual NAPLs on the Transport of Bisphenol A and Bisphenol S in Saturated Porous Media. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	2
64	On the nanoparticle transport and release in layered heterogeneous porous media under transient chemical conditions. <i>Journal of Hydrology</i> , 2020, 586, 124889.	5.4	1
65	Effects of Serum Metabolites on the Pancreatic Transcriptome in Acute Acalculous Cholecystitis. <i>Gastroenterology Research and Practice</i> , 2021, 2021, 1-15.	1.5	1