

Jian

List of Publications by Year in descending order

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78
papers

2,166
citations

270111

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h-index

274796

44
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78
all docs

78
docs citations

78
times ranked

2226
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. <i>Science of the Total Environment</i> , 2022, 806, 150501.	3.9	8
2	Application of the Deep Learning Algorithm to Identify the Spatial Distribution of Heavy Metals at Contaminated Sites. <i>ACS ES&T Engineering</i> , 2022, 2, 158-168.	3.7	9
3	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement. <i>Water Research</i> , 2022, 218, 118468.	5.3	15
4	On the ideal groundwater sampling window by utilizing transition pumping period. <i>Journal of Hydrology</i> , 2022, 610, 127796.	2.3	1
5	Impacts of Heterogeneity on Aquifer Storage and Recovery in Saline Aquifers. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
6	High-Dimensional Groundwater Flow Inverse Modeling by Upscaled Effective Model on Principal Components. <i>Water Resources Research</i> , 2022, 58, .	1.7	3
7	A Quasi-Newton Reformulated Geostatistical Approach on Reduced Dimensions for Large-Dimensional Inverse Problems. <i>Water Resources Research</i> , 2021, 57, .	1.7	5
8	Experimental and modeling studies for adsorbing different species of fluoride using lanthanum-aluminum perovskite. <i>Chemosphere</i> , 2021, 263, 128089.	4.2	23
9	Assessment of transportation processes of polyacrylamide in chernozem and saline soil by numerical model. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2350-2360.	1.2	0
10	Effective Chemical Delivery Through Multi-Screen Wells to Enhance Mixing and Reaction of Solute Plumes in Porous Media. <i>Water Resources Research</i> , 2021, 57, e2020WR028551.	1.7	5
11	General analytical solutions of groundwater flow toward multi-dimensional sources/sinks in a confined aquifer with leakage and distributed recharge. <i>Journal of Hydrology</i> , 2021, 594, 125948.	2.3	3
12	Analytical, Experimental, and Numerical Investigation of Partially Penetrating Barriers for Expanding Island Freshwater Lenses. <i>Water Resources Research</i> , 2021, 57, e2020WR028386.	1.7	22
13	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. <i>Environmental Science & Technology</i> , 2021, 55, 6012-6021.	4.6	44
14	Bayesian inverse modeling of large-scale spatial fields on iteratively corrected principal components. <i>Advances in Water Resources</i> , 2021, 151, 103913.	1.7	6
15	Defluorination by ion exchange of SO ₄ ²⁻ on alumina surface: Adsorption mechanism and kinetics. <i>Chemosphere</i> , 2021, 273, 129678.	4.2	20
16	Analytical Solutions for Fresh Groundwater Lenses in Small Strip Islands With Spatially Variable Recharge. <i>Water Resources Research</i> , 2021, 57, e2020WR029497.	1.7	6
17	Impact of Atmospheric Pressure Fluctuations on Nonequilibrium Transport of Volatile Organic Contaminants in the Vadose Zone: Experimental and Numerical Modeling. <i>Water Resources Research</i> , 2021, 57, e2020WR029344.	1.7	9
18	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. <i>Journal of Hazardous Materials</i> , 2021, 419, 126413.	6.5	55

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19	Experimental and modeling investigation of pumping from a fresh groundwater lens in an idealized strip island. <i>Journal of Hydrology</i> , 2021, 602, 126734.	2.3	8
20	Effect of cut-off wall on freshwater storage in small islands considering ocean surge inundation. <i>Journal of Hydrology</i> , 2021, 603, 127143.	2.3	10
21	Molecular Characteristics of Dissolved Organic Nitrogen and Its Interaction with Microbial Communities in a Prechlorinated Raw Water Distribution System. <i>Environmental Science & Technology</i> , 2020, 54, 1484-1492.	4.6	31
22	An examination of the building pressure cycling technique as a tool in vapor intrusion investigations with analytical simulations. <i>Journal of Hazardous Materials</i> , 2020, 389, 121915.	6.5	6
23	A simplified equation of approximate interface profile in stratified coastal aquifers. <i>Journal of Hydrology</i> , 2020, 580, 124249.	2.3	11
24	Influence of groundwater table fluctuation on the non-equilibrium transport of volatile organic contaminants in the vadose zone. <i>Journal of Hydrology</i> , 2020, 580, 124353.	2.3	36
25	A Semianalytical Method to Fast Delineate Seawater-Freshwater Interface in Two-Dimensional Heterogeneous Coastal Aquifers. <i>Water Resources Research</i> , 2020, 56, e2020WR027197.	1.7	3
26	A newly synthesized highly stable Ag/N-carbon electrode for enhanced desalination by capacitive deionization. <i>Environmental Science: Nano</i> , 2020, 7, 3007-3019.	2.2	17
27	Development of groundwater lens for transient recharge in strip islands. <i>Journal of Hydrology</i> , 2020, 590, 125209.	2.3	5
28	A numerical model to optimize LNAPL remediation by multi-phase extraction. <i>Science of the Total Environment</i> , 2020, 718, 137309.	3.9	15
29	The development of groundwater research in the past 40 years: A burgeoning trend in groundwater depletion and sustainable management. <i>Journal of Hydrology</i> , 2020, 587, 125006.	2.3	40
30	Reformulation of Bayesian Geostatistical Approach on Principal Components. <i>Water Resources Research</i> , 2020, 56, e2019WR026732.	1.7	5
31	High-frequency fluctuations of indoor pressure: A potential driving force for vapor intrusion in urban areas. <i>Science of the Total Environment</i> , 2020, 710, 136309.	3.9	5
32	Effects of temperature-control curtain on algae biomass and dissolved oxygen in a large stratified reservoir: Sanbanxi Reservoir case study. <i>Journal of Environmental Management</i> , 2019, 248, 109250.	3.8	36
33	Highly-dispersed Fe ₂ O ₃ @C electrode materials for Pb ²⁺ removal by capacitive deionization. <i>Carbon</i> , 2019, 153, 12-20.	5.4	56
34	A Proof-of-Concept Study of Using a Less Permeable Slice Along the Shoreline to Increase Fresh Groundwater Storage of Oceanic Islands: Analytical and Experimental Validation. <i>Water Resources Research</i> , 2019, 55, 6450-6463.	1.7	40
35	Proof-of-Concept Modeling of a New Groundwater Sampling Approach. <i>Water Resources Research</i> , 2019, 55, 5135-5146.	1.7	5
36	Transformation and fate of dissolved organic nitrogen in drinking water supply system: A full scale case study from Yixing, China. <i>Science of the Total Environment</i> , 2019, 673, 435-444.	3.9	21

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37	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. <i>Science of the Total Environment</i> , 2019, 672, 551-562.	3.9	143
38	High stress low-flow (HSLF) sampling: A newly proposed groundwater purge and sampling approach. <i>Science of the Total Environment</i> , 2019, 664, 127-132.	3.9	7
39	Modeling capillary fringe effect on petroleum vapor intrusion from groundwater contamination. <i>Water Research</i> , 2019, 150, 111-119.	5.3	29
40	A mobile-mobile transport model for simulating reactive transport in connected heterogeneous fields. <i>Journal of Hydrology</i> , 2018, 560, 97-108.	2.3	11
41	Analytical analysis of the temporal asymmetry between seawater intrusion and retreat. <i>Advances in Water Resources</i> , 2018, 111, 121-131.	1.7	9
42	Joint Bayesian inversion for analyzing conservative and reactive breakthrough curves. <i>Journal of Hydrology</i> , 2018, 567, 446-456.	2.3	4
43	Niche Separation of Ammonia Oxidizers in Mudflat and Agricultural Soils Along the Yangtze River, China. <i>Frontiers in Microbiology</i> , 2018, 9, 3122.	1.5	3
44	Effect of Runoff Variability and Sea Level on Saltwater Intrusion: A Case Study of Nandu River Estuary, China. <i>Water Resources Research</i> , 2018, 54, 9919-9934.	1.7	19
45	Investigating the Role of Soil Texture in Petroleum Vapor Intrusion. <i>Journal of Environmental Quality</i> , 2018, 47, 1179-1185.	1.0	7
46	Using a model to predict the migration and transformation of chemicals for alkali-surfactant-polymer flooding in soil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1657-1662.	1.2	1
47	Effects of pipe material on nitrogen transformation, microbial communities and functional genes in raw water transportation. <i>Water Research</i> , 2018, 143, 188-197.	5.3	31
48	Assessment of the impact of sea-level rise on steady-state seawater intrusion in a layered coastal aquifer. <i>Journal of Hydrology</i> , 2018, 563, 851-862.	2.3	29
49	Defining the Effect of Stratification in Coastal Aquifers Using a New Parameter. <i>Water Resources Research</i> , 2018, 54, 5948-5957.	1.7	23
50	Optimization of groundwater sampling approach under various hydrogeological conditions using a numerical simulation model. <i>Journal of Hydrology</i> , 2017, 552, 505-515.	2.3	17
51	Analytical solutions of seawater intrusion in sloping confined and unconfined coastal aquifers. <i>Water Resources Research</i> , 2016, 52, 6989-7004.	1.7	25
52	Effects of Rate-Limited Mass Transfer on Modeling Vapor Intrusion with Aerobic Biodegradation. <i>Environmental Science & Technology</i> , 2016, 50, 9400-9406.	4.6	13
53	Steady state analytical solutions for pumping in a fully bounded rectangular aquifer. <i>Water Resources Research</i> , 2015, 51, 8294-8302.	1.7	17
54	Modeling Aerobic Biodegradation in the Capillary Fringe. <i>Environmental Science & Technology</i> , 2015, 49, 1501-1510.	4.6	25

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55	Synthesis of Coreâ€‘Shell Magnetic Fe ₃ O ₄ @poly(<i>m</i> -Phenylenediamine) Particles for Chromium Reduction and Adsorption. <i>Environmental Science & Technology</i> , 2015, 49, 5654-5662.	4.6	339
56	Sustainable synthesis of hollow Cu-loaded poly(<i>m</i> -phenylenediamine) particles and their application for arsenic removal. <i>RSC Advances</i> , 2015, 5, 29965-29974.	1.7	21
57	A Correction on Coastal Heads for Groundwater Flow Models. <i>Ground Water</i> , 2015, 53, 164-170.	0.7	17
58	Maximizing Net Extraction Using an Injectionâ€‘Extraction Well Pair in a Coastal Aquifer. <i>Ground Water</i> , 2013, 51, 219-228.	0.7	23
59	Steady-state freshwaterâ€‘seawater mixing zone in stratified coastal aquifers. <i>Journal of Hydrology</i> , 2013, 505, 24-34.	2.3	124
60	Analytical relationship between Gaussian and transformedâ€‘Gaussian spatially distributed fields. <i>Water Resources Research</i> , 2013, 49, 1735-1740.	1.7	7
61	Solute transport in divergent radial flow with multistep pumping. <i>Water Resources Research</i> , 2012, 48, .	1.7	9
62	Boundary Condition Effects on Maximum Groundwater Withdrawal in Coastal Aquifers. <i>Ground Water</i> , 2012, 50, 386-393.	0.7	24
63	How well do mean breakthrough curves predict mixingâ€‘controlled reactive transport?. <i>Water Resources Research</i> , 2011, 47, .	1.7	25
64	Recovery efficiency of aquifer storage and recovery (ASR) with mass transfer limitation. <i>Water Resources Research</i> , 2011, 47, .	1.7	23
65	Dynamics of freshwaterâ€‘seawater mixing zone development in dualâ€‘domain formations. <i>Water Resources Research</i> , 2010, 46, .	1.7	40
66	Analysis of stagnation points for a pumping well in recharge areas. <i>Journal of Hydrology</i> , 2009, 373, 442-452.	2.3	11
67	Effects of kinetic mass transfer and transient flow conditions on widening mixing zones in coastal aquifers. <i>Water Resources Research</i> , 2009, 45, .	1.7	80
68	Effective reaction parameters for mixing controlled reactions in heterogeneous media. <i>Water Resources Research</i> , 2008, 44, .	1.7	57
69	Traveltimeâ€‘based descriptions of transport and mixing in heterogeneous domains. <i>Water Resources Research</i> , 2008, 44, .	1.7	19
70	Temporal moments for transport with mass transfer described by an arbitrary memory function in heterogeneous media. <i>Water Resources Research</i> , 2008, 44, .	1.7	25
71	Hydraulic performance analysis of a multiple injectionâ€‘extraction well system. <i>Journal of Hydrology</i> , 2007, 336, 294-302.	2.3	28
72	Breakthrough curve tailing in a dipole flow field. <i>Water Resources Research</i> , 2007, 43, .	1.7	15

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73	Modeling in-situ uranium(VI) bioreduction by sulfate-reducing bacteria. Journal of Contaminant Hydrology, 2007, 92, 129-148.	1.6	54
74	A Bayesian geostatistical transfer function approach to tracer test analysis. Water Resources Research, 2006, 42, .	1.7	39
75	A Nested-Cell Approach for In Situ Remediation. Ground Water, 2006, 44, 266-274.	0.7	51
76	A parametric transfer function methodology for analyzing reactive transport in nonuniform flow. Journal of Contaminant Hydrology, 2006, 83, 27-41.	1.6	30
77	Mass-Transfer Limitations for Nitrate Removal in a Uranium-Contaminated Aquifer. Environmental Science & Technology, 2005, 39, 8453-8459.	4.6	36
78	Fluid residence times within a recirculation zone created by an extractionâ€“injection well pair. Journal of Hydrology, 2004, 295, 149-162.	2.3	67