

Jiazhong Qian

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,159
citations

430442

18
h-index

414034

32
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60
all docs

60
docs citations

60
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of aquifer heterogeneity on Cr(VI) diffusion and removal from groundwater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3918-3929.	2.7	2
2	Characterizing groundwater distribution potential using GIS-based machine learning model in Chihe River basin, China. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	4
3	Sensitivity analysis of factors influencing pollutant removal from shallow groundwater by the PRB method based on numerical simulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82156-82168.	2.7	3
4	Applicability of the Time Fractional Derivative Model on Fickian and Non-Fickian Transport in the Single Fracture: An Experimental Investigation. <i>Geofluids</i> , 2022, 2022, 1-14.	0.3	0
5	A New Type of Ecological Floating Bed Based on Ornamental Plants Experimented in an Artificially Made Eutrophic Water Body in the Laboratory for Nutrient Removal. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 2-9.	1.3	9
6	Two-Dimensional SPH Analysis of Seepage with Water Injection Process for Different Crack Morphologies. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1909-1917.	0.9	5
7	Characterizing temporal behavior of a thermal tracer in porous media by time-lapse electrical resistivity measurements. <i>Hydrogeology Journal</i> , 2021, 29, 1173-1188.	0.9	2
8	Characterizing the scaling coefficient T_{∞} between viscous and inertial permeability of fractures. <i>Journal of Hydrology</i> , 2021, 593, 125920.	2.3	12
9	Experimental and numerical study of bimolecular reactive transport in a single rough-wall fracture. <i>Journal of Hydrology</i> , 2021, 594, 125944.	2.3	6
10	Hydrogeochemical characteristic evaluation and irrigation suitability assessment of shallow groundwater in Dangshan County, China. <i>Geosciences Journal</i> , 2021, 25, 731-748.	0.6	3
11	An Experimental Study on Seepage within Shale Fractures due to Confining Pressure and Temperature. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 3596-3604.	0.9	4
12	Keystone taxa shared between earthworm gut and soil indigenous microbial communities collaboratively resist chlordane stress. <i>Environmental Pollution</i> , 2021, 283, 117095.	3.7	14
13	Characterizing the Relationship Between Non-Darcy Effect and Hydraulic Aperture in Rough Single Fractures. <i>Water Resources Research</i> , 2021, 57, e2021WR030451.	1.7	20
14	Experimental and theoretical study on the seepage mechanism characteristics coupling with confining pressure. <i>Engineering Geology</i> , 2021, 291, 106224.	2.9	22
15	Potential of hydraulic tomography in exploring the preferential flowpaths of water inrush in coal mine areas. <i>Journal of Hydrology</i> , 2021, 602, 126830.	2.3	17
16	Experimental and Numerical Simulation Study of Flow and Solute Transport in Pore-Fractured Media Based on High-Density Resistivity Method. <i>Lithosphere</i> , 2021, 2021, .	0.6	0
17	Experimental and numerical study for the inertial dependence of non-Darcy coefficient in rough single fractures. <i>Journal of Hydrology</i> , 2021, 603, 127148.	2.3	21
18	Corncob PRB for on-site nitrate removal in groundwater. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	9

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19	Spatial Assessment of Groundwater Quality and Health Risk of Nitrogen Pollution for Shallow Groundwater Aquifer around Fuyang City, China. <i>Water (Switzerland)</i> , 2020, 12, 3341.	1.2	11
20	Fractional Derivative Modeling on Solute Non-Fickian Transport in a Single Vertical Fracture. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	4
21	Experimental study on quantifying the surface form of artificial tension fractures in granite samples. <i>Journal of Hydrology</i> , 2020, 584, 124680.	2.3	2
22	Geological Formation Mechanism and Thermal Resources Assessment of Geothermal Spring in Lushan County, China. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 592.	1.3	1
23	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. <i>Journal of Contaminant Hydrology</i> , 2020, 230, 103603.	1.6	9
24	An investigation on the fractional derivative model in characterizing sodium chloride transport in a single fracture. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	4
25	Using GIS methods for determining the spatial distribution of groundwater hydrochemical facies: a case study for a shallow aquifer in Fuyang, China. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	7
26	Simulation on the water flow affected by the shape and density of roughness elements in a single rough fracture. <i>Journal of Hydrology</i> , 2019, 573, 456-468.	2.3	42
27	Influence of recurrent rainfall and oxalic acid on phosphorus releasing from rocks phosphate in the Chaohu watershed, China. <i>Chemosphere</i> , 2019, 215, 815-826.	4.2	7
28	Hydrochemical Characteristics and Groundwater Source Identification of a Multiple Aquifer System in a Coal Mine. <i>Mine Water and the Environment</i> , 2018, 37, 528-540.	0.9	45
29	Comparison of Time Nonlocal Transport Models for Characterizing Non-Fickian Transport: From Mathematical Interpretation to Laboratory Application. <i>Water (Switzerland)</i> , 2018, 10, 778.	1.2	26
30	Non-Fickian Solute Transport in a Single Fracture of Marble Parallel Plate. <i>Geofluids</i> , 2018, 2018, 1-9.	0.3	7
31	Hydrochemical processes and evolution of karst groundwater in the northeastern Huaibei Plain, China. <i>Hydrogeology Journal</i> , 2018, 26, 1721-1729.	0.9	25
32	Effect of roughness on water flow through a synthetic single rough fracture. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	28
33	Temporal-Spatial Evolution of Groundwater Nitrogen Pollution Over Seven Years in a Highly Urbanized City in the Southern China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 753-759.	1.3	5
34	Can a Time Fractional Derivative Model Capture Scale-Dependent Dispersion in Saturated Soils?. <i>Ground Water</i> , 2017, 55, 857-870.	0.7	20
35	Hydrogeochemical analysis of multiple aquifers in a coal mine based on nonlinear PCA and GIS. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	18
36	Multivariate statistical analysis of water chemistry in evaluating groundwater geochemical evolution and aquifer connectivity near a large coal mine, Anhui, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	80

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37	The effect of expansion ratio on the critical Reynolds number in single fracture flow with sudden expansion. <i>Hydrological Processes</i> , 2016, 30, 1718-1726.	1.1	23
38	Distribution of Nitrate in Different Aquifers in the Urban District of Zhanjiang, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 279-285.	1.3	12
39	Increased lead and cadmium tolerance of <i>Typha angustifolia</i> from Huaihe River is associated with enhanced phytochelatin synthesis and improved antioxidative capacity. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2743-2749.	1.2	8
40	Evaluating Differences in Transport Behavior of Sodium Chloride and Brilliant Blue FCF in Sand Columns. <i>Transport in Porous Media</i> , 2015, 109, 765-779.	1.2	8
41	Distribution of nitrate and its implication for the contaminant source in groundwater of Huaibei Plain, Anhui Province. <i>Geosciences Journal</i> , 2015, 19, 537-545.	0.6	16
42	Numerical Simulation and Experimental Study of Bimolecular Reactive Transport in Porous Media. <i>Transport in Porous Media</i> , 2015, 109, 727-746.	1.2	8
43	Improved understanding of bimolecular reactions in deceptively simple homogeneous media: From laboratory experiments to Lagrangian quantification. <i>Water Resources Research</i> , 2014, 50, 1704-1715.	1.7	24
44	Numerical simulation and evaluation of groundwater resources in a fractured chalk aquifer: a case study in Zinder well field, Niger. <i>Environmental Earth Sciences</i> , 2014, 72, 3053-3065.	1.3	11
45	Air and water flows in a large sand box with a two-layer aquifer system. <i>Hydrogeology Journal</i> , 2013, 21, 977-985.	0.9	4
46	Valuable Metal Recovery During the Bioremediation of Acidic Mine Drainage Using Sulfate Reducing Straw Bioremediation System. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3049-3055.	1.1	6
47	Predicting river dissolved oxygen in complex watershed by using sectioned variable dimension fractal method and fractal interpolation. <i>Environmental Earth Sciences</i> , 2012, 66, 2129-2135.	1.3	7
48	Eddy correlations for water flow in a single fracture with abruptly changing aperture. <i>Hydrological Processes</i> , 2012, 26, 3369-3377.	1.1	30
49	Nitrate removal from groundwater in columns packed with reed and rice stalks. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1589-1595.	1.2	20
50	Experimental study of solute transport under non-Darcian flow in a single fracture. <i>Journal of Hydrology</i> , 2011, 399, 246-254.	2.3	90
51	Efectos del uso urbano de la tierra en la distribución de fosfatos en el agua subterránea en un acuífero somero, Cuenca del Río Nanfei, China. <i>Hydrogeology Journal</i> , 2011, 19, 1431-1442.	0.9	31
52	Experimental study of the effect of roughness and Reynolds number on fluid flow in rough-walled single fractures: a check of local cubic law. <i>Hydrological Processes</i> , 2011, 25, 614-622.	1.1	104
53	Research and Development of a Cross Flow Swirl Solid-Liquid Separate Equipment with High Efficiency. , 2010, , .		0
54	Application of fuzzy excessive criterion model to determine source of inrush water in Xieqiao mine. , 2010, , .		0

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55	What can be learned from sequential multi-well pumping tests in fracture-karst media? A case study in Zhangji, China. <i>Hydrogeology Journal</i> , 2009, 17, 1749-1760.	0.9	16
56	Experimental evidence of scale-dependent hydraulic conductivity for fully developed turbulent flow in a single fracture. <i>Journal of Hydrology</i> , 2007, 339, 206-215.	2.3	74
57	Fractured-karst spring-flow protections: a case study in Jinan, China. <i>Hydrogeology Journal</i> , 2006, 14, 1192-1205.	0.9	45
58	Experimental study of turbulent unconfined groundwater flow in a single fracture. <i>Journal of Hydrology</i> , 2005, 311, 134-142.	2.3	127
59	Effects of grain size, solution salinity and pH on the electrical response of oil-bearing carbonate sands. <i>Near Surface Geophysics</i> , 0, , .	0.6	1
60	Distribution characteristics and processes along flow paths of shallow groundwater in the Tan-Lu fault zone in Anhui province, China. <i>Geosciences Journal</i> , 0, , .	0.6	0