

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
g-index

60
all docs

60
docs citations

60
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of turbulent unconfined groundwater flow in a single fracture. Journal of Hydrology, 2005, 311, 134-142.	2.3	127
2	Experimental study of the effect of roughness and Reynolds number on fluid flow in rough-walled single fractures: a check of local cubic law. Hydrological Processes, 2011, 25, 614-622.	1.1	104
3	Experimental study of solute transport under non-Darcian flow in a single fracture. Journal of Hydrology, 2011, 399, 246-254.	2.3	90
4	Multivariate statistical analysis of water chemistry in evaluating groundwater geochemical evolution and aquifer connectivity near a large coal mine, Anhui, China. Environmental Earth Sciences, 2016, 75, 1.	1.3	80
5	Experimental evidence of scale-dependent hydraulic conductivity for fully developed turbulent flow in a single fracture. Journal of Hydrology, 2007, 339, 206-215.	2.3	74
6	Fractured-karst spring-flow protections: a case study in Jinan, China. Hydrogeology Journal, 2006, 14, 1192-1205.	0.9	45
7	Hydrochemical Characteristics and Groundwater Source Identification of a Multiple Aquifer System in a Coal Mine. Mine Water and the Environment, 2018, 37, 528-540.	0.9	45
8	Simulation on the water flow affected by the shape and density of roughness elements in a single rough fracture. Journal of Hydrology, 2019, 573, 456-468.	2.3	42
9	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. Hydrogeology Journal, 2011, 19, 1431-1442.	0.9	31
10	Eddy correlations for water flow in a single fracture with abruptly changing aperture. Hydrological Processes, 2012, 26, 3369-3377.	1.1	30
11	Effect of roughness on water flow through a synthetic single rough fracture. Environmental Earth Sciences, 2017, 76, 1.	1.3	28
12	Comparison of Time Nonlocal Transport Models for Characterizing Non-Fickian Transport: From Mathematical Interpretation to Laboratory Application. Water (Switzerland), 2018, 10, 778.	1.2	26
13	Hydrochemical processes and evolution of karst groundwater in the northeastern Huaibei Plain, China. Hydrogeology Journal, 2018, 26, 1721-1729.	0.9	25
14	Improved understanding of bimolecular reactions in deceptively simple homogeneous media: From laboratory experiments to Lagrangian quantification. Water Resources Research, 2014, 50, 1704-1715.	1.7	24
15	The effect of expansion ratio on the critical Reynolds number in single fracture flow with sudden expansion. Hydrological Processes, 2016, 30, 1718-1726.	1.1	23
16	Experimental and theoretical study on the seepage mechanism characteristics coupling with confining pressure. Engineering Geology, 2021, 291, 106224.	2.9	22
17	Experimental and numerical study for the inertial dependence of non-Darcy coefficient in rough single fractures. Journal of Hydrology, 2021, 603, 127148.	2.3	21
18	Nitrate removal from groundwater in columns packed with reed and rice stalks. Environmental Technology (United Kingdom), 2011, 32, 1589-1595.	1.2	20

#	ARTICLE	IF	CITATIONS
19	Can a Time Fractionalâ€Derivative Model Capture Scaleâ€Dependent Dispersion in Saturated Soils?. Ground Water, 2017, 55, 857-870.	0.7	20
20	Characterizing the Relationship Between Nonâ€Darcy Effect and Hydraulic Aperture in Rough Single Fractures. Water Resources Research, 2021, 57, e2021WR030451.	1.7	20
21	Hydrogeochemical analysis of multiple aquifers in a coal mine based on nonlinear PCA and GIS. Environmental Earth Sciences, 2016, 75, 1.	1.3	18
22	Potential of hydraulic tomography in exploring the preferential flowpaths of water inrush in coal mine areas. Journal of Hydrology, 2021, 602, 126830.	2.3	17
23	What can be learned from sequential multi-well pumping tests in fracture-karst media? A case study in Zhangji, China. Hydrogeology Journal, 2009, 17, 1749-1760.	0.9	16
24	Distribution of nitrate and its implication for the contaminant source in groundwater of Huaibei Plain, Anhui Province. Geosciences Journal, 2015, 19, 537-545.	0.6	16
25	Keystone taxa shared between earthworm gut and soil indigenous microbial communities collaboratively resist chlordane stress. Environmental Pollution, 2021, 283, 117095.	3.7	14
26	Distribution of Nitrate in Different Aquifers in the Urban District of Zhanjiang, China. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 279-285.	1.3	12
27	Characterizing the scaling coefficient β between viscous and inertial permeability of fractures. Journal of Hydrology, 2021, 593, 125920.	2.3	12
28	Numerical simulation and evaluation of groundwater resources in a fractured chalk aquifer: a case study in Zinder well field, Niger. Environmental Earth Sciences, 2014, 72, 3053-3065.	1.3	11
29	Spatial Assessment of Groundwater Quality and Health Risk of Nitrogen Pollution for Shallow Groundwater Aquifer around Fuyang City, China. Water (Switzerland), 2020, 12, 3341.	1.2	11
30	Corncob PRB for on-site nitrate removal in groundwater. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	9
31	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. Journal of Contaminant Hydrology, 2020, 230, 103603.	1.6	9
32	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. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 2-9.	1.3	9
33	Evaluating Differences in Transport Behavior of Sodium Chloride and Brilliant Blue FCF in Sand Columns. Transport in Porous Media, 2015, 109, 765-779.	1.2	8
34	Numerical Simulation and Experimental Study of Bimolecular Reactive Transport in Porous Media. Transport in Porous Media, 2015, 109, 727-746.	1.2	8
35	Increased lead and cadmium tolerance of <i>Typha angustifolia</i> from Huaihe River is associated with enhanced phytochelatin synthesis and improved antioxidative capacity. Environmental Technology (United Kingdom), 2016, 37, 2743-2749.	1.2	8
36	Predicting river dissolved oxygen in complex watershed by using sectioned variable dimension fractal method and fractal interpolation. Environmental Earth Sciences, 2012, 66, 2129-2135.	1.3	7

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37	Non-Fickian Solute Transport in a Single Fracture of Marble Parallel Plate. <i>Geofluids</i> , 2018, 2018, 1-9.	0.3	7
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Fractional Derivative Modeling on Solute Non-Fickian Transport in a Single Vertical Fracture. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	4
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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

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55	Effects of grain size, solution salinity and pH on the electrical response of oil-bearing carbonate sands. Near Surface Geophysics, 0, , .	0.6	1
56	Research and Development of a Cross Flow Swirl Solid-Liquid Separate Equipment with High Efficiency. , 2010, , .		0
57	Application of fuzzy excessive criterion model to determine source of inrush water in Xieqiao mine. , 2010, , .		0
58	Experimental and Numerical Simulation Study of Flow and Solute Transport in Pore-Fractured Media Based on High-Density Resistivity Method. Lithosphere, 2021, 2021, .	0.6	0
59	Distribution characteristics and processes along flow paths of shallow groundwater in the Tan-Lu fault zone in Anhui province, China. Geosciences Journal, 0, , .	0.6	0
60	Applicability of the Time Fractional Derivative Model on Fickian and Non-Fickian Transport in the Single Fracture: An Experimental Investigation. Geofluids, 2022, 2022, 1-14.	0.3	0