

Xiao Feng

List of Publications by Year in descending order

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93
papers

2,057
citations

257450

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94
all docs

94
docs citations

94
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	On the role of rock matrix to heat transfer in a fracture-rock matrix system. <i>Journal of Contaminant Hydrology</i> , 2022, 245, 103950.	3.3	8
2	Slope reliability analysis through Bayesian sequential updating integrating limited data from multiple estimation methods. <i>Landslides</i> , 2022, 19, 1101-1117.	5.4	8
3	Effect of long-term saline mulched drip irrigation on soil-groundwater environment in arid Northwest China. <i>Science of the Total Environment</i> , 2022, 820, 153222.	8.0	10
4	Using Ensemble Data Assimilation to Estimate Transient Hydrologic Exchange Flow Under Highly Dynamic Flow Conditions. <i>Water Resources Research</i> , 2022, 58, .	4.2	10
5	Experimental investigation of solute transport across transition interface of porous media under reversible flow directions. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113566.	6.0	5
6	Influence of Boundary Layer on Oil Migration into Tight Reservoirs. <i>Transport in Porous Media</i> , 2021, 137, 87-107.	2.6	2
7	Timescale and Effectiveness of Residual Saltwater Desalinization Behind Subsurface Dams in an Unconfined Aquifer. <i>Water Resources Research</i> , 2021, 57, e2020WR028493.	4.2	41
8	On Change of Soil Moisture Distribution With Vegetation Reconstruction in Mu Us Sandy Land of China, With Newly Designed Lysimeter. <i>Frontiers in Plant Science</i> , 2021, 12, 609529.	3.6	16
9	On Inflow to a Tunnel in a Fractured Double Porosity Aquifer. <i>Ground Water</i> , 2021, 59, 562-570.	1.3	8
10	Iron oxides decorated graphene oxide/chitosan composite beads for enhanced Cr(VI) removal from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 197-209.	7.5	53
11	Laboratory observations for two-dimensional solute transport in an aquifer-aquitard system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38664-38678.	5.3	9
12	A semianalytical solution of the modified two-dimensional diffusive root growth model. <i>Vadose Zone Journal</i> , 2021, 20, e20132.	2.2	0
13	On River-Aquifer Exchange Flow With Irregular and Semipervious Bank. <i>Water Resources Research</i> , 2021, 57, e2020WR028984.	4.2	4
14	Hydraulic conductivity of soil-bentonite backfill comprised of SHMP-amended Ca-bentonite to Cr(VI)-impacted groundwater. <i>Journal of Contaminant Hydrology</i> , 2021, 242, 103856.	3.3	15
15	Experimental Study of the Adsorption of Nitrogen and Phosphorus by Natural Clay Minerals. <i>Adsorption Science and Technology</i> , 2021, 2021, .	3.2	14
16	Sorption of Monothioarsenate to the Natural Sediments and Its Competition with Arsenite and Arsenate. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12839.	2.6	2
17	Multiscale Study of Physical and Mechanical Properties of Sandstone in Three Gorges Reservoir Region Subjected to Cyclic Wetting-Drying of Yangtze River Water. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 2215-2231.	5.4	65
18	Effect of randomly distributed fibre on triaxial shear behavior of loess. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 1555-1563.	3.5	21

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19	Optimization Strategies for in Situ Groundwater Remediation by a Vertical Circulation Well Based on Particle Tracking and Node-Dependent Finite Difference Methods. <i>Water Resources Research</i> , 2020, 56, e2020WR027396.	4.2	8
20	An Innovative Method to Evaluate Hydraulic Conductivity of a Single Rock Fracture Based on Geometric Characteristics. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 4767-4786.	5.4	15
21	Highly efficient removal of As(III) from aqueous solutions using goethite/graphene oxide/chitosan nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 13-26.	7.5	28
22	On the Origin of Deep Soil Water Infiltration in the Arid Sandy Region of China. <i>Water (Switzerland)</i> , 2020, 12, 2409.	2.7	12
23	New Simplified Models of Single-Well Push-Pull Tests With Mixing Effect. <i>Water Resources Research</i> , 2020, 56, e2019WR026802.	4.2	11
24	The Transboundary Nature of the Allende-Piedras Negras Aquifer Using a Numerical Model Approach. <i>Journal of the American Water Resources Association</i> , 2020, 56, 387-408.	2.4	2
25	Resolution effect on image-based conventional and tight sandstone pore space reconstructions: Origins and strategies. <i>Journal of Hydrology</i> , 2020, 586, 124856.	5.4	5
26	Probabilistic multi-objective optimization for landslide reinforcement with stabilizing piles in Zigui Basin of Three Gorges Reservoir region, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 807-824.	4.0	15
27	Editorial of Special Issue "Advances in Groundwater Flow and Solute Transport: Pushing the Hidden Boundary". <i>Water (Switzerland)</i> , 2019, 11, 457.	2.7	1
28	A Novel Unsteady Fractal Derivative Creep Model for Soft Interlayers with Varying Water Contents. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 5064-5075.	1.9	13
29	Pore-Scale CO ₂ Displacement Simulation Based on the Three Fluid Phase Lattice Boltzmann Method. <i>Energy & Fuels</i> , 2019, 33, 10039-10055.	5.1	19
30	A Mathematical Model for Determining Oil Migration Characteristics in Low-Permeability Porous Media Based on Fractal Theory. <i>Transport in Porous Media</i> , 2019, 129, 633-652.	2.6	10
31	New graphical methods for estimating aquifer hydraulic parameters using pumping tests with exponentially decreasing rates. <i>Hydrological Processes</i> , 2019, 33, 2314-2322.	2.6	13
32	Reactive Transport of Nutrients and Bioclogging During Dynamic Disconnection Process of Stream and Groundwater. <i>Water Resources Research</i> , 2019, 55, 3882-3903.	4.2	36
33	Upscaling of Dynamic Capillary Pressure of Two-Phase Flow in Sandstone. <i>Water Resources Research</i> , 2019, 55, 426-443.	4.2	13
34	Underdamped slug tests with unsaturated flows by considering effects of wellbore skins. <i>Hydrological Processes</i> , 2018, 32, 968-980.	2.6	12
35	Spatiotemporal Responses of Groundwater Flow and Aquifer-River Exchanges to Flood Events. <i>Water Resources Research</i> , 2018, 54, 1513-1532.	4.2	25
36	The Influence of Episodic Shallow Magma Degassing on Heat and Chemical Transport in Volcanic Hydrothermal Systems. <i>Geophysical Research Letters</i> , 2018, 45, 3068-3076.	4.0	4

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37	Experimental investigation on oil migration and accumulation in tight sandstones. <i>Journal of Petroleum Science and Engineering</i> , 2018, 160, 267-275.	4.2	31
38	New Comparative Experiments of Different Soil Types for Farmland Water Conservation in Arid Regions. <i>Water (Switzerland)</i> , 2018, 10, 298.	2.7	10
39	Models of Single-Well Push-Pull Test With Mixing Effect in the Wellbore. <i>Water Resources Research</i> , 2018, 54, 10,155.	4.2	19
40	The Stability of Tailings Dams under Dry-Wet Cycles: A Case Study in Luonan, China. <i>Water (Switzerland)</i> , 2018, 10, 1048.	2.7	15
41	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
42	Aquifer Recharge Using a Vadose Zone Infiltration Well. <i>Water Resources Research</i> , 2018, 54, 8847-8863.	4.2	33
43	An Experimental Study on the Adsorption and Desorption of Cu(II) in Silty Clay. <i>Geofluids</i> , 2018, 2018, 1-12.	0.7	32
44	A simple method of transport parameter estimation for slug injecting tracer tests in porous media. <i>Science of the Total Environment</i> , 2018, 644, 1536-1546.	8.0	12
45	Reply to Comment by Roques et al. on "Base Flow Recession from Unsaturated-Saturated Porous Media considering Lateral Unsaturated Discharge and Aquifer Compressibility". <i>Water Resources Research</i> , 2018, 54, 3220-3222.	4.2	0
46	Investigating the Effect of the Temperature and Pressure on Wettability in Crude Oil-Brine-Rock Systems. <i>Energy & Fuels</i> , 2018, 32, 9010-9019.	5.1	24
47	Effect of roughness on water flow through a synthetic single rough fracture. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	28
48	Thermal effect of climate change on groundwater-fed ecosystems. <i>Water Resources Research</i> , 2017, 53, 3341-3351.	4.2	38
49	Intrawellbore kinematic and frictional losses in a horizontal well in a bounded confined aquifer. <i>Water Resources Research</i> , 2017, 53, 127-141.	4.2	21
50	Asphaltene Deposition Preference and Permeability Reduction Mechanisms in Oil Reservoirs: Evidence from Combining X-ray Microtomography with Fluorescence Microscopy. <i>Energy & Fuels</i> , 2017, 31, 10467-10478.	5.1	7
51	One-dimensional analytical solution for hydraulic head and numerical solution for solute transport through a horizontal fracture for submarine groundwater discharge. <i>Journal of Contaminant Hydrology</i> , 2017, 206, 1-9.	3.3	5
52	Base flow recession from unsaturated-saturated porous media considering lateral unsaturated discharge and aquifer compressibility. <i>Water Resources Research</i> , 2017, 53, 7832-7852.	4.2	22
53	Fractional Models Simulating Non-Fickian Behavior in Four-Stage Single-Well Push-Pull Tests. <i>Water Resources Research</i> , 2017, 53, 9528-9545.	4.2	26
54	The influence of large-scale climate phenomena on precipitation in the Ordos Basin, China. <i>Theoretical and Applied Climatology</i> , 2017, 130, 791-805.	2.8	5

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55	Influence of Tight Sandstone Micro-Nano Pore-Throat Structures on Petroleum Accumulation: Evidence from Experimental Simulation Combining X-ray Tomography. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6459-6469.	0.9	19
56	Oil-Charging Pore-Throat Radius Threshold of Tight Reservoirs: A Comparison on Multi-Method Calculation Results. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6067-6076.	0.9	7
57	Effect of Roughness on Conservative Solute Transport through Synthetic Rough Single Fractures. <i>Water (Switzerland)</i> , 2017, 9, 656.	2.7	12
58	Characteristics of Nano-Micro Pore Networks and Petroleum Microscopic Occurrence State in Ultra-Low Permeability (Tight) Sandstone Reservoir. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6039-6050.	0.9	22
59	Geological control factors of micro oil distribution in tight reservoirs. <i>Marine and Petroleum Geology</i> , 2016, 77, 1193-1205.	3.3	33
60	Experimental and theoretical characterization of the natural gas migration and accumulation mechanism in low-permeability (tight) sandstone cores. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 1308-1315.	4.4	23
61	Application of Wavelet Coherence Method to Investigate Karst Spring Discharge Response to Climate Teleconnection Patterns. <i>Journal of the American Water Resources Association</i> , 2016, 52, 1281-1296.	2.4	15
62	Pore structure characterization of Chang-7 tight sandstone using MICP combined with N2GA techniques and its geological control factors. <i>Scientific Reports</i> , 2016, 6, 36919.	3.3	98
63	Aquitard Horizontal Dispersion on Reactive Solute Transport in an Aquifer-aquitard System. <i>Transport in Porous Media</i> , 2016, 113, 695-716.	2.6	17
64	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.	2.6	23
65	Subsurface solute transport with one-, two-, and three-dimensional arbitrary shape sources. <i>Journal of Contaminant Hydrology</i> , 2016, 190, 44-57.	3.3	19
66	Linkages between Large-Scale Climate Patterns and Karst Spring Discharge in Northern China. <i>Journal of Hydrometeorology</i> , 2016, 17, 713-724.	1.9	17
67	Two-dimensional flow response to tidal fluctuation in a heterogeneous aquifer-aquitard system. <i>Hydrological Processes</i> , 2015, 29, 927-935.	2.6	19
68	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.	2.7	11
69	The coupled moisture-heat process of permafrost around a thermokarst pond in Qinghai-Tibet Plateau under global warming. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 836-853.	2.8	64
70	Estimating groundwater recharge beneath irrigated farmland using environmental tracers fluoride, chloride and sulfate. <i>Hydrogeology Journal</i> , 2013, 21, 1469-1480.	2.1	39
71	Groundwater response to dual tidal fluctuations in a peninsula or an elongated island. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 2456-2470.	3.3	3
72	Analytical Solution to Subsurface Air Pressure in a Three-Layer Unsaturated Zone with Atmospheric Pressure Changes. <i>Transport in Porous Media</i> , 2012, 93, 461-474.	2.6	4

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73	Determining air permeability in reclaimed coastal land based on tidal fluctuations. <i>Environmental Earth Sciences</i> , 2012, 66, 1259-1268.	2.7	2
74	Eddy correlations for water flow in a single fracture with abruptly changing aperture. <i>Hydrological Processes</i> , 2012, 26, 3369-3377.	2.6	30
75	Gas flow to a barometric pumping well in a multilayer unsaturated zone. <i>Water Resources Research</i> , 2011, 47, .	4.2	21
76	Analysis of models for induced gas flow in the unsaturated zone. <i>Water Resources Research</i> , 2011, 47, .	4.2	7
77	Applicability of the Linearized Governing Equation of Gas Flow in Porous Media. <i>Transport in Porous Media</i> , 2011, 87, 815-834.	2.6	7
78	Non-Darcian flow to a well in a leaky aquifer using the Forchheimer equation. <i>Hydrogeology Journal</i> , 2011, 19, 563-572.	2.1	30
79	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.	2.1	31
80	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.	2.6	104
81	A new mobile-immobile model for reactive solute transport with scale-dependent dispersion. <i>Water Resources Research</i> , 2010, 46, .	4.2	106
82	Analytical solution of two-dimensional solute transport in an aquifer-aquitard system. <i>Journal of Contaminant Hydrology</i> , 2009, 107, 162-174.	3.3	75
83	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.	2.1	16
84	On the origin of oil-field water in the Biyang Depression of China. <i>Environmental Geology</i> , 2009, 58, 1191-1196.	1.2	7
85	One-dimensional solute transport in a permeable reactive barrier aquifer system. <i>Water Resources Research</i> , 2009, 45, .	4.2	13
86	An analytical solution of two-dimensional reactive solute transport in an aquifer-aquitard system. <i>Water Resources Research</i> , 2009, 45, .	4.2	66
87	Fractured-karst spring-flow protections: a case study in Jinan, China. <i>Hydrogeology Journal</i> , 2006, 14, 1192-1205.	2.1	45
88	Aquitard effect on drawdown in water table aquifers. <i>Water Resources Research</i> , 2005, 41, .	4.2	16
89	Groundwater flow to a horizontal or slanted well in an unconfined aquifer. <i>Water Resources Research</i> , 2002, 38, 13-1-13-11.	4.2	108
90	Vapor Flow to Horizontal Wells in Unsaturated Zones. <i>Soil Science Society of America Journal</i> , 2002, 66, 710-721.	2.2	17

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91	Vapor Flow to Horizontal Wells in Unsaturated Zones. Soil Science Society of America Journal, 2002, 66, 710.	2.2	9
92	Analytical and Numerical Modeling of a Double Well Capture Zone. Mathematical Geosciences, 1999, 31, 175-193.	0.9	13
93	On the Ergodicity Hypothesis in Heterogeneous Formations. Mathematical Geosciences, 1999, 31, 113-134.	0.9	6