

# Zhenxue Dai

## List of Publications by Year in descending order

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142  
papers

5,556  
citations

71102

41  
h-index

102487

66  
g-index

147  
all docs

147  
docs citations

147  
times ranked

3102  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Framework for Optimizing CO <sub>2</sub> Sequestration and Enhanced Oil Recovery. Environmental Science and Technology Letters, 2014, 1, 49-54.	8.7	280
2	CO <sub>2</sub> Accounting and Risk Analysis for CO <sub>2</sub> Sequestration at Enhanced Oil Recovery Sites. Environmental Science & Technology, 2016, 50, 7546-7554.	10.0	228
3	Land subsidence due to groundwater withdrawal in the northern Beijing plain, China. Engineering Geology, 2015, 193, 243-255.	6.3	220
4	Optimum design of CO <sub>2</sub> storage and oil recovery under geological uncertainty. Applied Energy, 2017, 195, 80-92.	10.1	173
5	Evaluation of CO <sub>2</sub> Storage Mechanisms in CO <sub>2</sub> Enhanced Oil Recovery Sites: Application to Morrow Sandstone Reservoir. Energy & Fuels, 2016, 30, 8545-8555.	5.1	163
6	Simulation of industrial-scale CO <sub>2</sub> storage: Multi-scale heterogeneity and its impacts on storage capacity, injectivity and leakage. International Journal of Greenhouse Gas Control, 2012, 10, 397-418.	4.6	142
7	Inverse problem of multicomponent reactive chemical transport in porous media: Formulation and applications. Water Resources Research, 2004, 40, .	4.2	114
8	Key factors for determining groundwater impacts due to leakage from geologic carbon sequestration reservoirs. International Journal of Greenhouse Gas Control, 2014, 29, 153-168.	4.6	107
9	Spatial correlation of permeability in cross-stratified sediment with hierarchical architecture. Water Resources Research, 2004, 40, .	4.2	98
10	Dissolution Trapping of Carbon Dioxide in Heterogeneous Aquifers. Environmental Science & Technology, 2017, 51, 7732-7741.	10.0	95
11	Application of upscaling methods for fluid flow and mass transport in multi-scale heterogeneous media: A critical review. Applied Energy, 2021, 303, 117603.	10.1	95
12	Pre-site Characterization Risk Analysis for Commercial-Scale Carbon Sequestration. Environmental Science & Technology, 2014, 48, 3908-3915.	10.0	90
13	Permeability prediction of shale matrix reconstructed using the elementary building block model. Fuel, 2015, 160, 346-356.	6.4	89
14	Critical Dynamics of Gravito-Convective Mixing in Geological Carbon Sequestration. Scientific Reports, 2016, 6, 35921.	3.3	89
15	Heterogeneity-assisted carbon dioxide storage in marine sediments. Applied Energy, 2018, 225, 876-883.	10.1	89
16	Reactive chemical transport simulations of geologic carbon sequestration: Methods and applications. Earth-Science Reviews, 2020, 208, 103265.	9.1	86
17	Uncertainty analysis of carbon sequestration in an active CO <sub>2</sub> -EOR field. International Journal of Greenhouse Gas Control, 2016, 51, 18-28.	4.6	81
18	Co-optimization of CO <sub>2</sub> -EOR and storage processes in mature oil reservoirs. , 2017, 7, 128-142.		81

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19	Radionuclide transport in multi-scale fractured rocks: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127550.	12.4	81
20	Probabilistic evaluation of shallow groundwater resources at a hypothetical carbon sequestration site. <i>Scientific Reports</i> , 2014, 4, 4006.	3.3	74
21	Developing a robust geochemical and reactive transport model to evaluate possible sources of arsenic at the CO <sub>2</sub> sequestration natural analog site in Chimayo, New Mexico. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 199-214.	4.6	69
22	Inverse Modeling of Water-Rock-CO <sub>2</sub> Batch Experiments: Potential Impacts on Groundwater Resources at Carbon Sequestration Sites. <i>Environmental Science &amp; Technology</i> , 2014, 48, 2798-2806.	10.0	69
23	Uncertainty Quantification for CO <sub>2</sub> Sequestration and Enhanced Oil Recovery. <i>Energy Procedia</i> , 2014, 63, 7685-7693.	1.8	69
24	Transport in heterogeneous sediments with multimodal conductivity and hierarchical organization across scales. <i>Journal of Hydrology</i> , 2004, 294, 68-86.	5.4	64
25	Improving permeability semivariograms with transition probability models of hierarchical sedimentary architecture derived from outcrop analog studies. <i>Water Resources Research</i> , 2005, 41, .	4.2	63
26	Modeling CO <sub>2</sub> Solubility in Water at High Pressure and Temperature Conditions. <i>Energy &amp; Fuels</i> , 2020, 34, 4761-4776.	5.1	63
27	Modeling Multiscale Heterogeneity and Aquifer Interconnectivity. <i>Ground Water</i> , 2004, 42, 658-670.	1.3	60
28	Modeling the impact of carbon dioxide leakage into an unconfined, oxidizing carbonate aquifer. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 290-299.	4.6	56
29	Inverse modeling of water flow and multicomponent reactive transport in coastal aquifer systems. <i>Journal of Hydrology</i> , 2006, 327, 447-461.	5.4	55
30	Aquifer structure identification using stochastic inversion. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	53
31	Inverse modeling of tracer experiments in FEBEX compacted Ca-bentonite. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 640-648.	2.9	52
32	An integrated assessment of the impact of precipitation and groundwater on vegetation growth in arid and semiarid areas. <i>Environmental Earth Sciences</i> , 2015, 74, 5009-5021.	2.7	51
33	Identifying geochemical processes by inverse modeling of multicomponent reactive transport in the Aquia aquifer. , 2006, 2, 210.		50
34	Solute transport properties of compacted Ca-bentonite used in FEBEX project. <i>Journal of Contaminant Hydrology</i> , 2001, 47, 127-137.	3.3	49
35	Machine learning based co-optimization of carbon dioxide sequestration and oil recovery in CO <sub>2</sub> -EOR project. <i>Journal of Cleaner Production</i> , 2020, 260, 120866.	9.3	49
36	Representing aquifer architecture in macrodispersivity models with an analytical solution of the transition probability matrix. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47

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37	Relating reactive solute transport to hierarchical and multiscale sedimentary architecture in a Lagrangian-based transport model: 1. Time-dependent effective retardation factor. <i>Water Resources Research</i> , 2015, 51, 1586-1600.	4.2	47
38	Relating reactive solute transport to hierarchical and multiscale sedimentary architecture in a Lagrangian-based transport model: 2. Particle displacement variance. <i>Water Resources Research</i> , 2015, 51, 1601-1618.	4.2	47
39	Identification of sorption processes and parameters for radionuclide transport in fractured rock. <i>Journal of Hydrology</i> , 2012, 414-415, 220-230.	5.4	46
40	Scale dependence of sorption coefficients for contaminant transport in saturated fractured rock. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	44
41	Colloid-Facilitated Plutonium Transport in Fractured Tuffaceous Rock. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5582-5590.	10.0	44
42	Reactive solute transport in physically and chemically heterogeneous porous media with multimodal reactive mineral facies: The Lagrangian approach. <i>Chemosphere</i> , 2015, 122, 235-244.	8.2	43
43	Identification of relative conductivity models for water flow and solute transport in unsaturated bentonite. <i>Physics and Chemistry of the Earth</i> , 2008, 33, S177-S185.	2.9	42
44	Reduced order models for assessing CO2 impacts in shallow unconfined aquifers. <i>International Journal of Greenhouse Gas Control</i> , 2016, 46, 187-196.	4.6	42
45	Upscaling matrix diffusion coefficients for heterogeneous fractured rocks. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	41
46	An ecology-oriented exploitation mode of groundwater resources in the northern Tianshan Mountains, China. <i>Journal of Hydrology</i> , 2016, 543, 386-394.	5.4	41
47	Upscaling of reactive mass transport in fractured rocks with multimodal reactive mineral facies. <i>Water Resources Research</i> , 2010, 46, .	4.2	40
48	Stage-Wise Stochastic Deep Learning Inversion Framework for Subsurface Sedimentary Structure Identification. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	40
49	Upscaling retardation factor in hierarchical porous media with multimodal reactive mineral facies. <i>Chemosphere</i> , 2013, 91, 248-257.	8.2	36
50	Quantification of CO2-cement-rock interactions at the well-caprock-reservoir interface and implications for geological CO2 storage. <i>International Journal of Greenhouse Gas Control</i> , 2017, 63, 126-140.	4.6	35
51	Identification of rock pore structures and permeabilities using electron microscopy experiments and deep learning interpretations. <i>Fuel</i> , 2020, 268, 117416.	6.4	35
52	Toward smart schemes for modeling CO2 solubility in crude oil: Application to carbon dioxide enhanced oil recovery. <i>Fuel</i> , 2021, 285, 119147.	6.4	35
53	Geochemical Impacts of Carbon Dioxide, Brine, Trace Metal and Organic Leakage into an Unconfined, Oxidizing Limestone Aquifer. <i>Energy Procedia</i> , 2014, 63, 4684-4707.	1.8	34
54	Multi-tracer investigation of river and groundwater interactions: a case study in Nalenggele River basin, northwest China. <i>Hydrogeology Journal</i> , 2017, 25, 2015-2029.	2.1	34

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55	Assessment of CO <sub>2</sub> trapping mechanisms in partially depleted oil-bearing sands. <i>Fuel</i> , 2020, 278, 118356.	6.4	34
56	Transport of kinetically sorbing solutes in heterogeneous sediments with multimodal conductivity and hierarchical organization across scales. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 709-726.	4.0	33
57	Probabilistic assessment of shale gas production and water demand at Xiuwu Basin in China. <i>Applied Energy</i> , 2016, 180, 185-195.	10.1	33
58	Applicability of aquifer impact models to support decisions at CO <sub>2</sub> sequestration sites. <i>International Journal of Greenhouse Gas Control</i> , 2016, 52, 319-330.	4.6	33
59	Impact of Three-Phase Relative Permeability and Hysteresis Models on Forecasts of Storage Associated With CO <sub>2</sub> -EOR. <i>Water Resources Research</i> , 2018, 54, 1109-1126.	4.2	33
60	Classification and characterization of bound water in marine mucky silty clay. <i>Journal of Soils and Sediments</i> , 2019, 19, 2509-2519.	3.0	33
61	Mixing and spreading of multiphase fluids in heterogeneous bimodal porous media. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 225-244.	2.9	32
62	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
63	Spatiotemporal modeling of land subsidence using a geographically weighted deep learning method based on PS-InSAR. <i>Science of the Total Environment</i> , 2021, 799, 149244.	8.0	31
64	An integrated inversion framework for heterogeneous aquifer structure identification with single-sample generative adversarial network. <i>Journal of Hydrology</i> , 2022, 610, 127844.	5.4	31
65	Effectiveness and mechanism of natural attenuation at a petroleum-hydrocarbon contaminated site. <i>Chemosphere</i> , 2018, 206, 293-301.	8.2	30
66	An Improved Tandem Neural Network Architecture for Inverse Modeling of Multicomponent Reactive Transport in Porous Media. <i>Water Resources Research</i> , 2021, 57, .	4.2	30
67	Stepwise inversion of a groundwater flow model with multi-scale observation data. <i>Hydrogeology Journal</i> , 2010, 18, 607-624.	2.1	29
68	Farnsworth Field CO <sub>2</sub> -EOR Project: Performance Case History. , 2016, , .		29
69	An experimental evaluation of unique CO <sub>2</sub> flow behaviour in loosely held fine particles rich sandstone under deep reservoir conditions and influencing factors. <i>Energy</i> , 2017, 119, 121-137.	8.8	29
70	Stretchable Sweat-Activated Battery in Skin-Integrated Electronics for Continuous Wireless Sweat Monitoring. <i>Advanced Science</i> , 2022, 9, e2104635.	11.2	29
71	Geologic CO <sub>2</sub> sequestration: progress and challenges. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 221-223.	2.9	28
72	The 3-Phase Facies and Geomechanical Modeling of Land Subsidence in the Chaobai Plain, Beijing. <i>Water Resources Research</i> , 2020, 56, e2019WR027026.	4.2	28

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73	A quantitative analysis of hydraulic interaction processes in stream-aquifer systems. <i>Scientific Reports</i> , 2016, 6, 19876.	3.3	27
74	Statistic inversion of multi-zone transition probability models for aquifer characterization in alluvial fans. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1005-1016.	4.0	26
75	Uncertainty quantification of CO <sub>2</sub> storage using Bayesian model averaging and polynomial chaos expansion. <i>International Journal of Greenhouse Gas Control</i> , 2018, 71, 104-115.	4.6	26
76	Bacterial community variations with salinity in the saltwater-intruded estuarine aquifer. <i>Science of the Total Environment</i> , 2021, 755, 142423.	8.0	26
77	Reactive transport in the complex heterogeneous alluvial aquifer of Fortymile Wash, Nevada. <i>Chemosphere</i> , 2017, 179, 379-386.	8.2	25
78	Adsorption model identification for chromium (VI) transport in unconsolidated sediments. <i>Journal of Hydrology</i> , 2021, 598, 126228.	5.4	25
79	Effective detection of CO <sub>2</sub> leakage: a comparison of groundwater sampling and pressure monitoring. <i>Energy Procedia</i> , 2014, 63, 4163-4171.	1.8	24
80	Estimation of Sandstone Permeability with SEM Images Based on Fractal Theory. <i>Transport in Porous Media</i> , 2019, 126, 701-712.	2.6	24
81	Co-optimization of CO <sub>2</sub> -EOR and Storage Processes under Geological Uncertainty. <i>Energy Procedia</i> , 2017, 114, 6928-6941.	1.8	23
82	CO <sub>2</sub> Sequestration and Enhanced Oil Recovery at Depleted Oil/Gas Reservoirs. <i>Energy Procedia</i> , 2017, 114, 6957-6967.	1.8	23
83	Water Resources Utilization and Protection in the Coal Mining Area of Northern China. <i>Scientific Reports</i> , 2019, 9, 1214.	3.3	23
84	Impact of naturally leaking carbon dioxide on soil properties and ecosystems in the Qinghai-Tibet plateau. <i>Scientific Reports</i> , 2017, 7, 3001.	3.3	22
85	Delineating Facies Spatial Distribution by Integrating Ensemble Data Assimilation and Indicator Geostatistics With Level-Set Transformation. <i>Water Resources Research</i> , 2019, 55, 2652-2671.	4.2	22
86	Compositional Simulation of CO <sub>2</sub> Storage Capacity in Depleted Oil Reservoirs. , 2015, , .		21
87	Modeling 3-D permeability distribution in alluvial fans using facies architecture and geophysical acquisitions. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 721-733.	4.9	20
88	How does resolution of sedimentary architecture data affect plume dispersion in multiscale and hierarchical systems?. <i>Journal of Hydrology</i> , 2020, 582, 124516.	5.4	20
89	Identifying spatial correlation structure of multimodal permeability in hierarchical media with Markov chain approach. <i>Journal of Hydrology</i> , 2019, 568, 703-715.	5.4	19
90	Bandage based energy generators activated by sweat in wireless skin electronics for continuous physiological monitoring. <i>Nano Energy</i> , 2022, 92, 106755.	16.0	19

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91	A hybrid Laplace transform finite analytic method for solving transport problems with large Peclet and Courant numbers. <i>Computers and Geosciences</i> , 2012, 49, 182-189.	4.2	18
92	Groundwater flow path determination during riverbank filtration affected by groundwater exploitation: a case study of Liao River, Northeast China. <i>Hydrological Sciences Journal</i> , 2017, 62, 2331-2347.	2.6	18
93	Application of Mixed-Integer Nonlinear Optimization Programming Based on Ensemble Surrogate Model for Dense Nonaqueous Phase Liquid Source Identification in Groundwater. <i>Environmental Engineering Science</i> , 2019, 36, 699-709.	1.6	18
94	Spectrophotometric Determination of p-Nitrophenol under ENP Interference. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-9.	1.6	18
95	Arsenic mobilization in shallow aquifers due to CO <sub>2</sub> and brine intrusion from storage reservoirs. <i>Scientific Reports</i> , 2017, 7, 2763.	3.3	16
96	Reactive transport modeling of arsenic mobilization in shallow groundwater: impacts of CO <sub>2</sub> and brine leakage. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 339-350.	2.9	15
97	Impact of Mineral Reactive Surface Area on Forecasting Geological Carbon Sequestration in a CO <sub>2</sub> -EOR Field. <i>Energies</i> , 2021, 14, 1608.	3.1	15
98	Performance of CO <sub>2</sub> -EOR and Storage Processes Under Uncertainty. , 2016, , .		14
99	Chemical Impacts of Potential CO <sub>2</sub> and Brine Leakage on Groundwater Quality with Quantitative Risk Assessment: A Case Study of the Farnsworth Unit. <i>Energies</i> , 2020, 13, 6574.	3.1	14
100	A NOVEL FRACTAL MODEL FOR ESTIMATING PERMEABILITY IN LOW-PERMEABLE SANDSTONE RESERVOIRS. <i>Fractals</i> , 2020, 28, 2040005.	3.7	14
101	A Note on Upscaling Retardation Factor in Hierarchical Porous Media with Multimodal Reactive Mineral Facies. <i>Transport in Porous Media</i> , 2015, 108, 355-366.	2.6	13
102	Multicomponent competitive monovalent cation exchange in hierarchical porous media with multimodal reactive mineral facies. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 295-310.	4.0	13
103	Carbon Mineralization under Different Saline Alkali Stress Conditions in Paddy Fields of Northeast China. <i>Sustainability</i> , 2020, 12, 2921.	3.2	13
104	Uncertainty quantification of radionuclide migration in fractured granite. <i>Journal of Cleaner Production</i> , 2022, 366, 132944.	9.3	13
105	Land subsidence due to groundwater pumping: hazard probability assessment through the combination of Bayesian model and fuzzy set theory. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 823-835.	3.6	12
106	Capillary Heterogeneity Linked to Methane Lateral Migration in Shallow Unconfined Aquifers. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	12
107	Mass Wasting Inferred Dramatic Variability of 130,000 Year Indian Summer Monsoon Intensity From Deposits in the Southeast Tibetan Plateau. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12
108	Probabilistic Risk Assessment of CO <sub>2</sub> Trapping Mechanisms in a Sandstone CO <sub>2</sub> -EOR Field in Northern Texas, USA. <i>Energy Procedia</i> , 2017, 114, 4321-4329.	1.8	11

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109	Injectivity Evaluation for Offshore CO <sub>2</sub> Sequestration in Marine Sediments. <i>Energy Procedia</i> , 2017, 114, 2921-2932.	1.8	10
110	Biogeochemical zonation of sulfur during the discharge of groundwater to lake in desert plateau (Dakebo Lake, NW China). <i>Environmental Geochemistry and Health</i> , 2018, 40, 1051-1066.	3.4	10
111	A new model for simulating spring discharge recession and estimating effective porosity of karst aquifers. <i>Journal of Hydrology</i> , 2018, 562, 609-622.	5.4	10
112	Quantitative Analysis and Evaluation of Coal Mine Geological Structures Based on Fractal Theory. <i>Energies</i> , 2021, 14, 1925.	3.1	10
113	Quantitative evaluation of groundwater and surface water interaction characteristics during a dry season. <i>Water and Environment Journal</i> , 2021, 35, 1348-1361.	2.2	10
114	CORE2D V4: A Code for Water Flow, Heat and Solute Transport, Geochemical Reactions, and Microbial Processes. , 2012, , 160-185.		10
115	Evaluation of pressure management strategies and impact of simplifications for a post-EOR CO <sub>2</sub> storage project. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2017, 3, 281-292.	2.9	9
116	The scale dependence of dispersivity in multi-facies heterogeneous formations. <i>Carbonates and Evaporites</i> , 2018, 33, 161-165.	1.0	9
117	Influence of lunar semidiurnal tides on groundwater dynamics in estuarine aquifers. <i>Hydrogeology Journal</i> , 2020, 28, 1419-1429.	2.1	9
118	ESTIMATING PARAMETERS FOR HIERARCHICAL PERMEABILITY CORRELATION MODELS. , 2004, , 41-54.		9
119	Pore-scale mechanisms and simulations for gas-water two-phase transport processes in natural gas reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104314.	4.4	9
120	Characteristics and controlling factors of dispersion in bounded heterogeneous porous media. <i>Water Resources Research</i> , 2010, 46, .	4.2	8
121	Hydro-thermo-chemo-mechanical modeling of carbon dioxide injection in fluvial heterogeneous aquifers. <i>Chemical Engineering Journal</i> , 2022, 431, 133451.	12.7	8
122	Modeling Groundwater in Multimodal Porous Media with Localized Decompositions. <i>Mathematical Geosciences</i> , 2008, 40, 689-704.	2.4	7
123	Potential Chemical Impacts of Subsurface CO <sub>2</sub> : An Integrated Experimental and Numerical Assessment for a Case Study of the Ogallala Aquifer. <i>Water Resources Research</i> , 2021, 57, e2020WR029274.	4.2	7
124	Experimental investigations on scale-dependent dispersivity in three-dimensional heterogeneous porous media. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23336-23348.	5.3	6
125	Risk Assessment and Management Workflow—An Example of the Southwest Regional Partnership. <i>Energies</i> , 2021, 14, 1908.	3.1	6
126	Dispersivity variations of solute transport in heterogeneous sediments: numerical and experimental study. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 661-677.	4.0	6



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127	Reply to comment by Shlomo P. Neuman on "Spatial correlation of permeability in cross-stratified sediment with hierarchical architecture". <i>Water Resources Research</i> , 2006, 42, .	4.2	5
128	Quantitative assessment of soil CO <sub>2</sub> concentration and stable carbon isotope for leakage detection at geological carbon sequestration sites. , 2017, 7, 680-691.		5
129	Application of risk assessment in determination of soil remediation targets. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 1659-1673.	4.0	5
130	Unraveling elastic and inelastic storage of aquifer systems by integrating fast independent component analysis and a variable preconsolidation head decomposition method. <i>Journal of Hydrology</i> , 2022, 606, 127420.	5.4	5
131	Introduction: Modeling groundwater flow and reactive transport in physically and chemically heterogeneous media. , 2006, 2, 73.		4
132	Analysis of Asymmetric Stress Ratio in Shallow Buried Tunnels. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 1924-1931.	1.9	4
133	Remediation Techniques for Cadmium-Contaminated Dredged River Sediments after Land Disposal. <i>Sustainability</i> , 2021, 13, 6093.	3.2	4
134	Extracellular Polymeric Substances Facilitate the Adsorption and Migration of Cu <sup>2+</sup> and Cd <sup>2+</sup> in Saturated Porous Media. <i>Biomolecules</i> , 2021, 11, 1715.	4.0	4
135	Reactive Transport Modeling of Geological Carbon Storage Associated With CO <sub>2</sub> and Brine Leakage. , 2019, , 89-116.		3
136	Analysis of Crack Initiation and Propagation Thresholds of Inclined Cracks under High-Pressure Grouting in Ordovician Limestone. <i>Energies</i> , 2021, 14, 360.	3.1	3
137	Effects of surface loading on groundwater flow and skeletal deformation. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 287-295.	2.1	2
138	Experimental Investigation on the Mixture Ratio and Diffusion Performance of Grouting Materials for Water Bursting Prevention in Coal Mines. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-11.	1.8	2
139	Improving the Energy Efficiency of Buildings Based on Fluid Dynamics Models: A Critical Review. <i>Energies</i> , 2021, 14, 5384.	3.1	1
140	Estimating Spatial Correlation Structure for Permeability in Sediments with Hierarchical Organization. , 2003, , 83.		0
141	Forward and inverse modelling of multicomponent reactive transport in single and double porosity media. <i>Developments in Water Science</i> , 2004, , 805-816.	0.1	0
142	Numerical analysis of rock joints in tunnel construction during blasting. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0