

Wenbing Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

181
citations

1040056

9
h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying the source of atmospheric moisture over arid deserts using stable isotopes (^2H and ^{18}O) in precipitation. <i>Hydrological Processes</i> , 2018, 32, 436-449.	2.6	24
2	Morris Sensitivity Analysis for Hydrothermal Coupling Parameters of Embankment Dam: A Case Study. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	1.1	17
3	A new empirical model for the estimation of soil thermal conductivity. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	17
4	Modeling and comparative analysis of a flow and heat coupling model of the riparian zone based on thermal conductivity empirical models. <i>Journal of Hydrology</i> , 2020, 582, 124539.	5.4	16
5	Major ion chemistry of a representative river in South-central China: Runoff effects and controlling mechanisms. <i>Journal of Hazardous Materials</i> , 2019, 378, 120755.	12.4	14
6	Using water temperature series and hydraulic heads to quantify hyporheic exchange in the riparian zone. <i>Hydrogeology Journal</i> , 2019, 27, 1419-1437.	2.1	12
7	Analysis and optimization of mechanical properties of recycled concrete based on aggregate characteristics. <i>Science and Engineering of Composite Materials</i> , 2021, 28, 516-527.	1.4	12
8	A comparison of numerical and Lu modeling of water flow and heat transport with laboratory experiments. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	10
9	Optimization design and assessment of the effect of seepage control at reservoir sites under karst conditions: a case study in Anhui Province, China. <i>Hydrogeology Journal</i> , 2021, 29, 1831-1855.	2.1	9
10	Phase-field simulation of crack propagation in quasi-brittle materials: COMSOL implementation and parameter sensitivity analysis. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2021, 29, 055020.	2.0	9
11	Multifield Coupling Numerical Simulation of the Seepage and Stability of Embankment Dams on Deep Overburden Layers. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 7293-7308.	3.0	8
12	Proposed Constitutive Law of Uniaxial Compression for Concrete under Deterioration Effects. <i>Materials</i> , 2020, 13, 2048.	2.9	6
13	Stable isotopes (^{18}O and ^2H) and chemical characteristics of soil solution in the unsaturated zone of an arid desert. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 367-380.	1.5	5
14	Study on the three-dimensional micro-porosity of solidified sludge using ArcGIS technology. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	4
15	Understanding recharge of soil water in a sand dune at the Nuoertu of Badain Jaran Desert using isotopes of H and O. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1063-1075.	1.5	3
16	Adsorption of Cadmium onto Sand-Attapulgite Cutoff Wall Backfill Media. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	3
17	Vertical fluid flux in the hyporheic zone: field investigation, model, and comparative analysis. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	2
18	Comparison of 1-D analytical solutions and a numerical model for quantifying hyporheic exchange flux using the temperature tracer method. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	2

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19	Construction of the spatially varying ground motion field of a bedrock-overburden layer site and its influence on the seismic response of earth-rock dams. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	2
20	Strontium isotopic and hydrochemical characteristics of shallow groundwater and lake water in the Badain Jaran Desert, North China. <i>Isotopes in Environmental and Health Studies</i> , 2021, 57, 516-534.	1.0	2
21	Experimental and numerical investigation of flow over a spillway bend with different combinations of permeable spur dikes. <i>Water Science and Technology: Water Supply</i> , 0, , .	2.1	2
22	A Hydrothermal Coupling Model for Estimating Temperature Variations in the Riparian Zone. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-12.	1.1	1
23	A Comparison of Su and Lu Modeling of Hydro-Thermal Coupling Model Using Field Temperature Records. <i>Polish Journal of Environmental Studies</i> , 2020, 30, 337-350.	1.2	1
24	Quantification of the temporal and spatial distributions characteristics of streambed hyporheic exchange fluxes with the seasonal variation using heat as a tracer. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	0
25	Sensitivity Study of the Computational Parameters for the Deformation of Homogeneous Earth Dams. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-17.	1.1	0