

Chenming Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

415
citations

840776

11
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of evaporation-induced salt accumulation and precipitation in bare saline soils: Mechanism and feedback. <i>Water Resources Research</i> , 2014, 50, 8084-8106.	4.2	56
2	Combined effects of tides, evaporation and rainfall on the soil conditions in an intertidal creek-marsh system. <i>Advances in Water Resources</i> , 2017, 103, 1-15.	3.8	50
3	Solute transport influenced by unstable flow in beach aquifers. <i>Advances in Water Resources</i> , 2019, 125, 68-81.	3.8	37
4	Salt Dynamics in Coastal Marshes: Formation of Hypersaline Zones. <i>Water Resources Research</i> , 2018, 54, 3259-3276.	4.2	33
5	Effects of Temperature on Tidally Influenced Coastal Unconfined Aquifers. <i>Water Resources Research</i> , 2020, 56, e2019WR026660.	4.2	31
6	Settling, consolidation and shear strength behaviour of coal tailings slurry. <i>International Journal of Mining Science and Technology</i> , 2020, 30, 849-857.	10.3	26
7	A physically based surface resistance model for evaporation from bare soils. <i>Water Resources Research</i> , 2015, 51, 1084-1111.	4.2	24
8	Effects of unstable flow on solute transport in the marsh soil and exchange with coastal water. <i>Geophysical Research Letters</i> , 2016, 43, 12,091.	4.0	18
9	Assessing the recharge of a coastal aquifer using physical observations, tritium, groundwater chemistry and modelling. <i>Science of the Total Environment</i> , 2017, 580, 367-379.	8.0	17
10	Effects of a low-permeability layer on unstable flow pattern and land-sourced solute transport in coastal aquifers. <i>Journal of Hydrology</i> , 2021, 598, 126397.	5.4	16
11	Evaporation and Salt Accumulation Effects on Riparian Freshwater Lenses. <i>Water Resources Research</i> , 2020, 56, e2019WR026380.	4.2	14
12	Coupling effects of tide and salting-out on perfluorooctane sulfonate (PFOS) transport and adsorption in a coastal aquifer. <i>Advances in Water Resources</i> , 2022, 166, 104240.	3.8	12
13	Transverse hyporheic flow in the cross-section of a compound river system. <i>Advances in Water Resources</i> , 2018, 122, 263-277.	3.8	11
14	¹⁴ C-Dating Model for Groundwater Affected by CO ₂ Inputs From Deep Underground Formations. <i>Water Resources Research</i> , 2020, 56, e2019WR025155.	4.2	10
15	An entropy-based analysis method of precipitation isotopes revealing main moisture transport corridors globally. <i>Global and Planetary Change</i> , 2020, 187, 103134.	3.5	10
16	Settling, consolidation and desiccation behaviour of coal tailings slurry. <i>Mining Technology: Transactions of the Institute of Mining and Metallurgy</i> , 2018, 127, 1-11.	0.5	8
17	Combined effect of inland groundwater input and tides on flow and salinization in the coastal reservoir and adjacent aquifer. <i>Journal of Hydrology</i> , 2021, 600, 126575.	5.4	8
18	Fog Interception Maintains a Major Waterfall Landscape in Southwest China Revealed by Isotopic Signatures. <i>Water Resources Research</i> , 2020, 56, e2019WR025628.	4.2	7

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19	Geotechnical characterisation of coal tailings down the beach and constant rate of loading consolidation in a slurry consolidometer. <i>Mining Technology: Transactions of the Institute of Mining and Metallurgy</i> , 2021, 130, 67-80.	0.5	6
20	Effects of the Deep Pool on Groundwater Flow and Salinization in Coastal Reservoir and Adjacent Aquifer. <i>Water Resources Management</i> , 2021, 35, 2667-2684.	3.9	6
21	Salt Transport Under Tide and Evaporation in a Subtropical Wetland: Field Monitoring and Numerical Simulation. <i>Water Resources Research</i> , 2022, 58, .	4.2	6
22	A non-negative and high-resolution finite volume method for the depth-integrated solute transport equation using an unstructured triangular mesh. <i>Environmental Fluid Mechanics</i> , 2018, 18, 1379-1411.	1.6	3
23	Quantification of Natural CO ₂ Emission Through Faults and Fracture Zones in Coal Basins. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092693.	4.0	3
24	Estimation of fossil groundwater mass fraction accounting for endogenic carbon input across California. <i>Journal of Hydrology</i> , 2021, 595, 126034.	5.4	3
25	Iteration Coupling Simulation of Random Waves and Wave-Induced Currents. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-13.	0.9	0