

Heng Dai

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

447
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial distribution and source apportionment of polycyclic aromatic hydrocarbons in typical oasis soil of north-western China and the bacterial community response. <i>Environmental Research</i> , 2022, 204, 112401.	7.5	13
2	Process Interactions Can Change Process Ranking in a Coupled Complex System Under Process Model and Parametric Uncertainty. <i>Water Resources Research</i> , 2022, 58, .	4.2	3
3	Combining Isotope and Hydrogeochemistry Methods to Study the Seawater Intrusion: A Case Study in Longkou City, Shandong Province, China. <i>Water (Switzerland)</i> , 2022, 14, 789.	2.7	5
4	Simulation of regional groundwater levels in arid regions using interpretable machine learning models. <i>Science of the Total Environment</i> , 2022, 831, 154902.	8.0	35
5	Study on the Exploitation Scheme of Groundwater under Well-Canal Conjunctive Irrigation in Seasonally Freezing-Thawing Agricultural Areas. <i>Water (Switzerland)</i> , 2021, 13, 1384.	2.7	4
6	Global precipitation-related extremes at 1.5°C and 2°C of global warming targets: Projection and uncertainty assessment based on the CESM-LWR experiment. <i>Atmospheric Research</i> , 2021, 264, 105868.	4.1	15
7	An efficient approximation of non-Fickian transport using a time-fractional transient storage model. <i>Advances in Water Resources</i> , 2020, 135, 103486.	3.8	8
8	Comparison of the groundwater microbial community in a salt-freshwater mixing zone during the dry and wet seasons. <i>Journal of Environmental Management</i> , 2020, 271, 110969.	7.8	22
9	Hierarchical sensitivity analysis for a large-scale process-based hydrological model applied to an Amazonian watershed. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4971-4996.	4.9	1
10	Hierarchical sensitivity analysis for simulating barrier island geomorphologic responses to future storms and sea-level rise. <i>Theoretical and Applied Climatology</i> , 2019, 136, 1495-1511.	2.8	3
11	Characterizing microbial diversity and community composition of groundwater in a salt-freshwater transition zone. <i>Science of the Total Environment</i> , 2019, 678, 574-584.	8.0	60
12	Projection and uncertainty of precipitation extremes in the CMIP5 multimodel ensembles over nine major basins in China. <i>Atmospheric Research</i> , 2019, 226, 122-137.	4.1	73
13	Using Bayesian Networks for Sensitivity Analysis of Complex Biogeochemical Models. <i>Water Resources Research</i> , 2019, 55, 3541-3555.	4.2	23
14	Drought Conditions Maximize the Impact of High-Frequency Flow Variations on Thermal Regimes and Biogeochemical Function in the Hyporheic Zone. <i>Water Resources Research</i> , 2018, 54, 7361-7382.	4.2	63
15	A geostatistics-informed hierarchical sensitivity analysis method for complex groundwater flow and transport modeling. <i>Water Resources Research</i> , 2017, 53, 4327-4343.	4.2	30
16	A new process sensitivity index to identify important system processes under process model and parametric uncertainty. <i>Water Resources Research</i> , 2017, 53, 3476-3490.	4.2	41
17	Variance-based global sensitivity analysis for multiple scenarios and models with implementation using sparse grid collocation. <i>Journal of Hydrology</i> , 2015, 528, 286-300.	5.4	48
18	Distribution characteristics and factors influencing microbial communities in the core soils of a seawater intrusion area in Longkou City, China. <i>Hydrogeology Journal</i> , 0, , .	2.1	0