

Zhongfan Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,695
citations

687220

13
h-index

289141

40
g-index

45
all docs

45
docs citations

45
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of the rheology of water-kaolin suspensions. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 1781-1795.	1.0	1
2	Characterizing the carbon dioxide absorption process of ionic liquids by an entropic method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 511-541.	1.9	3
3	Estimating the instability criterion of vehicles in urban flooding by an entropic method. <i>Urban Climate</i> , 2022, 41, 101069.	2.4	3
4	Assessing the Sensitivity of Vegetation Cover to Climate Change in the Yarlung Zangbo River Basin Using Machine Learning Algorithms. <i>Remote Sensing</i> , 2022, 14, 1556.	1.8	5
5	Evaluation of Performance of Three Satellite-Derived Precipitation Products in Capturing Extreme Precipitation Events over Beijing, China. <i>Remote Sensing</i> , 2022, 14, 2698.	1.8	7
6	An Entropic Approach to Estimating the Instability Criterion of People in Floodwaters. <i>Entropy</i> , 2021, 23, 74.	1.1	4
7	An Extended Entropic Model for Cohesive Sediment Flocculation in a Piecewise Varied Shear Environment. <i>Entropy</i> , 2021, 23, 1263.	1.1	2
8	Improved landslide assessment using support vector machine with bagging, boosting, and stacking ensemble machine learning framework in a mountainous watershed, Japan. <i>Landslides</i> , 2020, 17, 641-658.	2.7	294
9	An entropic model for the rock water absorption process. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 1871-1886.	1.9	5
10	Uncertainty Assessment of Urban Hydrological Modelling from a Multiple Objective Perspective. <i>Water (Switzerland)</i> , 2020, 12, 1393.	1.2	13
11	Evaluating Different Methods for Determining the Velocity-Dip Position over the Entire Cross Section and at the Centerline of a Rectangular Open Channel. <i>Entropy</i> , 2020, 22, 605.	1.1	1
12	Modelling the Vegetation Response to Climate Changes in the Yarlung Zangbo River Basin Using Random Forest. <i>Water (Switzerland)</i> , 2020, 12, 1433.	1.2	4
13	Torrential rainfall-triggered shallow landslide characteristics and susceptibility assessment using ensemble data-driven models in the Dongjiang Reservoir Watershed, China. <i>Natural Hazards</i> , 2019, 97, 579-609.	1.6	55
14	Modelling the Hindered Settling Velocity of a Falling Particle in a Particle-Fluid Mixture by the Tsallis Entropy Theory. <i>Entropy</i> , 2019, 21, 55.	1.1	11
15	Assessment of advanced random forest and decision tree algorithms for modeling rainfall-induced landslide susceptibility in the Izu-Oshima Volcanic Island, Japan. <i>Science of the Total Environment</i> , 2019, 662, 332-346.	3.9	378
16	On the factors influencing public knowledge and acceptance of reclaimed water from a survey of three cities in northern China. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 193-202.	1.2	10
17	An Expression for Velocity Lag in Sediment-Laden Open-Channel Flows Based on Tsallis Entropy Together with the Principle of Maximum Entropy. <i>Entropy</i> , 2019, 21, 522.	1.1	5
18	Evaluating GIS-Based Multiple Statistical Models and Data Mining for Earthquake and Rainfall-Induced Landslide Susceptibility Using the LiDAR DEM. <i>Remote Sensing</i> , 2019, 11, 638.	1.8	124

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19	Comprehensive Utilization of Seawater in China: A Description of the Present Situation, Restrictive Factors and Potential Countermeasures. <i>Water (Switzerland)</i> , 2019, 11, 397.	1.2	8
20	A simple sensitivity analysis of the turbulence-induced flocculation model of cohesive sediment. <i>Water Science and Technology</i> , 2019, 79, 1144-1151.	1.2	1
21	Estimating the Bed-Load Layer Thickness in Open Channels by Tsallis Entropy. <i>Entropy</i> , 2019, 21, 123.	1.1	8
22	Comparison of Conventional Deterministic and Entropy-Based Methods for Predicting Sediment Concentration in Debris Flow. <i>Water (Switzerland)</i> , 2019, 11, 439.	1.2	5
23	Using Shannon entropy to model turbulence-induced flocculation of cohesive sediment in water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 959-974.	2.7	4
24	Seawater desalination in China: an overview. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 115-132.	1.2	32
25	Current status of reclaimed water in China: an overview. <i>Journal of Water Reuse and Desalination</i> , 2018, 8, 293-307.	1.2	71
26	TXT-tool 1.081-6.1 A Comparative Study of the Binary Logistic Regression (BLR) and Artificial Neural Network (ANN) Models for GIS-Based Spatial Predicting Landslides at a Regional Scale. , 2018, , 139-151.		25
27	On the flocculation and settling characteristics of low- and high-concentration sediment suspensions: effects of particle concentration and salinity conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14226-14243.	2.7	13
28	Changes in the two-dimensional and perimeter-based fractal dimensions of kaolinite flocs during flocculation: a simple experimental study. <i>Water Science and Technology</i> , 2018, 77, 861-870.	1.2	14
29	Public perception and acceptability of reclaimed water: the case of Shandong province, China. <i>Journal of Water Reuse and Desalination</i> , 2018, 8, 308-330.	1.2	18
30	A Simple Explicit Expression for the Flocculation Dynamics Modeling of Cohesive Sediment Based on Entropy Considerations. <i>Entropy</i> , 2018, 20, 845.	1.1	8
31	The influences of electrolyte on rheological properties of Poyang lake sand. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 81, 012172.	0.2	1
32	Dependence of Sediment Suspension Viscosity on Solid Concentration: A Simple General Equation. <i>Water (Switzerland)</i> , 2017, 9, 474.	1.2	19
33	Applying a Simple Analytical Solution to Modelling Wind-Driven Coastal Upwelling of Two-Layered Fluid at the Head of Tokyo Bay, Japan. <i>Water (Switzerland)</i> , 2017, 9, 744.	1.2	2
34	Characteristics of the Torrential Rainfall-Induced Shallow Landslides by Typhoon Bilis, in July 2006, Using Remote Sensing and GIS. , 2017, , 221-230.		6
35	On the Kaolinite Floc Size at the Steady State of Flocculation in a Turbulent Flow. <i>PLoS ONE</i> , 2016, 11, e0148895.	1.1	11
36	Fractal Dimension of Cohesive Sediment Flocs at Steady State under Seven Shear Flow Conditions. <i>Water (Switzerland)</i> , 2015, 7, 4385-4408.	1.2	19

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37	Optimization of Causative Factors for Landslide Susceptibility Evaluation Using Remote Sensing and GIS Data in Parts of Niigata, Japan. PLoS ONE, 2015, 10, e0133262.	1.1	167
38	Automatic Case-Based Reasoning Approach for Landslide Detection: Integration of Object-Oriented Image Analysis and a Genetic Algorithm. Remote Sensing, 2015, 7, 4318-4342.	1.8	124
39	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. Natural Hazards, 2015, 78, 1749-1776.	1.6	182
40	Automatic detection of sinkhole collapses at finer resolutions using a multi-component remote sensing approach. Natural Hazards, 2015, 78, 1021-1044.	1.6	16
41	Estimating the Occurrence of Wind-Driven Coastal Upwelling Associated with "Aoshio" on the Northeast Shore of Tokyo Bay, Japan: An Analytical Model. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	4
42	Theory on Orthokinetic Flocculation of Cohesive Sediment: A Review. Journal of Geoscience and Environment Protection, 2014, 02, 13-23.	0.2	2
43	Criteria for Distinguishing Floc Sedimentation and Gel-Like Network Sedimentation of Cohesive Fine-Grained Sediment in a Turbulent Flow. Journal of Geoscience and Environment Protection, 2014, 02, 24-31.	0.2	3
44	Criteria for the occurrence of wind-driven coastal upwelling associated with "Aoshio" on the southeast shore of Tokyo Bay. Journal of Oceanography, 2012, 68, 561-574.	0.7	7
45	Predicting the flocculation kinetics of fine particles in a turbulent flow using a Budyko-type model. Environmental Science and Pollution Research, 0, , .	2.7	0