Zhongfan Zhu

List of Publications by Year
in descending order

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	Assessment of advanced random forest and decision tree algorithms for modeling rainfall-induced landslide susceptibility in the Izu-Oshima Volcanic Island, Japan. Science of the Total Environment, 2019, 662, 332-346.	3.9	378
2	Improved landslide assessment using support vector machine with bagging, boosting, and stacking ensemble machine learning framework in a mountainous watershed, Japan. Landslides, 2020, 17, 641-658.	2.7	294
3	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. Natural Hazards, 2015, 78, 1749-1776.	1.6	182
4	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
5	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
6	Evaluating GIS-Based Multiple Statistical Models and Data Mining for Earthquake and Rainfall-Induced Landslide Susceptibility Using the LiDAR DEM. Remote Sensing, 2019, 11, 638.	1.8	124
7	Current status of reclaimed water in China: an overview. Journal of Water Reuse and Desalination, 2018, 8, 293-307.	1.2	71
8	Torrential rainfall-triggered shallow landslide characteristics and susceptibility assessment using ensemble data-driven models in the Dongjiang Reservoir Watershed, China. Natural Hazards, 2019, 97, 579-609.	1.6	55
9	Seawater desalination in China: an overview. Journal of Water Reuse and Desalination, 2019, 9, 115-132.	1.2	32
10	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
11	Fractal Dimension of Cohesive Sediment Flocs at Steady State under Seven Shear Flow Conditions. Water (Switzerland), 2015, 7, 4385-4408.	1.2	19
12	Dependence of Sediment Suspension Viscosity on Solid Concentration: A Simple General Equation. Water (Switzerland), 2017, 9, 474.	1.2	19
13	Public perception and acceptability of reclaimed water: the case of Shandong province, China. Journal of Water Reuse and Desalination, 2018, 8, 308-330.	1.2	18
14	Automatic detection of sinkhole collapses at finer resolutions using a multi-component remote sensing approach. Natural Hazards, 2015, 78, 1021-1044.	1.6	16
15	Changes in the two-dimensional and perimeter-based fractal dimensions of kaolinite flocs during flocculation: a simple experimental study. Water Science and Technology, 2018, 77, 861-870.	1.2	14
16	On the flocculation and settling characteristics of low- and high-concentration sediment suspensions: effects of particle concentration and salinity conditions. Environmental Science and Pollution Research, 2018, 25, 14226-14243.	2.7	13
17	Uncertainty Assessment of Urban Hydrological Modelling from a Multiple Objective Perspective. Water (Switzerland), 2020, 12, 1393.	1.2	13
18	On the Kaolinite Floc Size at the Steady State of Flocculation in a Turbulent Flow. PLoS ONE, 2016, 11, e0148895.	1.1	11

#	Article	IF	Citations
19	Modelling the Hindered Settling Velocity of a Falling Particle in a Particle-Fluid Mixture by the Tsallis Entropy Theory. Entropy, 2019, 21, 55.	1.1	11
20	On the factors influencing public knowledge and acceptance of reclaimed water from a survey of three cities in northern China. Journal of Water Reuse and Desalination, 2019, 9, 193-202.	1.2	10
21	A Simple Explicit Expression for the Flocculation Dynamics Modeling of Cohesive Sediment Based on Entropy Considerations. Entropy, 2018, 20, 845.	1.1	8
22	Comprehensive Utilization of Seawater in China: A Description of the Present Situation, Restrictive Factors and Potential Countermeasures. Water (Switzerland), 2019, 11, 397.	1.2	8
23	Estimating the Bed-Load Layer Thickness in Open Channels by Tsallis Entropy. Entropy, 2019, 21, 123.	1.1	8
24	Criteria for the occurrence of wind-driven coastal upwelling associated with â€œAoshioâ€•on the southeast shore of Tokyo Bay. Journal of Oceanography, 2012, 68, 561-574.	0.7	7
25	Evaluation of Performance of Three Satellite-Derived Precipitation Products in Capturing Extreme Precipitation Events over Beijing, China. Remote Sensing, 2022, 14, 2698.	1.8	7
26	Characteristics of the Torrential Rainfall-Induced Shallow Landslides by Typhoon Bilis, in July 2006, Using Remote Sensing and GIS. , 2017, , 221-230.		6
27	An Expression for Velocity Lag in Sediment-Laden Open-Channel Flows Based on Tsallis Entropy Together with the Principle of Maximum Entropy. Entropy, 2019, 21, 522.	1.1	5
28	Comparison of Conventional Deterministic and Entropy-Based Methods for Predicting Sediment Concentration in Debris Flow. Water (Switzerland), 2019, 11, 439.	1.2	5
29	An entropic model for the rock water absorption process. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1871-1886.	1.9	5
30	Assessing the Sensitivity of Vegetation Cover to Climate Change in the Yarlung Zangbo River Basin Using Machine Learning Algorithms. Remote Sensing, 2022, 14, 1556.	1.8	5
31	Estimating the Occurrence of Wind-Driven Coastal Upwelling Associated with â€œAoshioâ€•on the Northeast Shore of Tokyo Bay, Japan: An Analytical Model. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	4
32	Using Shannon entropy to model turbulence-induced flocculation of cohesive sediment in water. Environmental Science and Pollution Research, 2019, 26, 959-974.	2.7	4
33	Modelling the Vegetation Response to Climate Changes in the Yarlung Zangbo River Basin Using Random Forest. Water (Switzerland), 2020, 12, 1433.	1.2	4
34	An Entropic Approach to Estimating the Instability Criterion of People in Floodwaters. Entropy, 2021, 23, 74.	1.1	4
35	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
36	Characterizing the carbon dioxide absorption process of ionic liquids by an entropic method. Stochastic Environmental Research and Risk Assessment, 2022, 36, 511-541.	1.9	3

#	ARTICLE	IF	CITATIONS
37	Estimating the instability criterion of vehicles in urban flooding by an entropic method. Urban Climate, 2022, 41, 101069.	2.4	3
38	Applying a Simple Analytical Solution to Modelling Wind-Driven Coastal Upwelling of Two-Layered Fluid at the Head of Tokyo Bay, Japan. Water (Switzerland), 2017, 9, 744.	1.2	2
39	An Extended Entropic Model for Cohesive Sediment Flocculation in a Piecewise Varied Shear Environment. Entropy, 2021, 23, 1263.	1.1	2
40	Theory on Orthokinetic Flocculation of Cohesive Sediment: A Review. Journal of Geoscience and Environment Protection, 2014, 02, 13-23.	0.2	2
41	The influences of electrolyte on rheological properties of Poyang lake sand. IOP Conference Series: Earth and Environmental Science, 2017, 81, 012172.	0.2	1
42	A simple sensitivity analysis of the turbulence-induced flocculation model of cohesive sediment. Water Science and Technology, 2019, 79, 1144-1151.	1.2	1
43	Evaluating Different Methods for Determining the Velocity-Dip Position over the Entire Cross Section and at the Centerline of a Rectangular Open Channel. Entropy, 2020, 22, 605.	1.1	1
44	Experimental study of the rheology of waterâ€“kaolinite suspensions. Water Science and Technology: Water Supply, 2022, 22, 1781-1795.	1.0	1
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