Chao Zhou

List of Publications by Year
in descending order

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41 papers	2,739 citations	236925 25 h-index	276875 41 g-index
42 all docs	42 docs citations	42 times ranked	1601 citing authors

#	Article	IF	Citations
1	Landslide susceptibility modeling applying machine learning methods: A case study from Longju in the Three Gorges Reservoir area, China. Computers and Geosciences, 2018, 112, 23-37.	4.2	262
2	Application of time series analysis and PSOâ€“SVM model in predicting the Bazimen landslide in the Three Gorges Reservoir, China. Engineering Geology, 2016, 204, 108-120.	6.3	249
3	Displacement prediction in colluvial landslides, Three Gorges Reservoir, China. Landslides, 2013, 10, 203-218.	5.4	242
4	Time series analysis and long short-term memory neural network to predict landslide displacement. Landslides, 2019, 16, 677-694.	5.4	230
5	Landslide susceptibility mapping based on self-organizing-map network and extreme learning machine. Engineering Geology, 2017, 223, 11-22.	6.3	164
6	Displacement prediction of step-like landslide by applying a novel kernel extreme learning machine method. Landslides, 2018, 15, 2211-2225.	5.4	123
7	Analysis of Baishuihe landslide influenced by the effects of reservoir water and rainfall. Environmental Earth Sciences, 2010, 60, 677-687.	2.7	121
8	Mechanism of the slow-moving landslides in Jurassic red-strata in the Three Gorges Reservoir, China. Engineering Geology, 2014, 171, 59-69.	6.3	114
9	Using an extreme learning machine to predict the displacement of step-like landslides in relation to controlling factors. Landslides, 2016, 13, 725-736.	5.4	111
10	Landslide displacement prediction based on variational mode decomposition and WA-GWO-BP model. Landslides, 2020, 17, 567-583.	5.4	87
11	Landslide displacement prediction using discrete wavelet transform and extreme learning machine based on chaos theory. Environmental Earth Sciences, 2016, 75, 1.	2.7	83
12	Quantitative risk assessment of slow-moving landslides from the viewpoint of decision-making: A case study of the Three Gorges Reservoir in China. Engineering Geology, 2020, 273, 105667.	6.3	80
13	The influence of land use and land cover change on landslide susceptibility: a case study in Zhushan Town, Xuan'en County (Hubei, China). Natural Hazards and Earth System Sciences, 2019, 19, 2207-2228.	3.6	79
14	Spatial prediction of landslide susceptibility using GIS-based statistical and machine learning models in Wanzhou County, Three Gorges Reservoir, China. Acta Geochimica, 2019, 38, 654-669.	1.7	73
15	A step beyond landslide susceptibility maps: a simple method to investigate and explain the different outcomes obtained by different approaches. Landslides, 2020, 17, 627-640.	5.4	69
16	Landslide Characterization Applying Sentinel-1 Images and InSAR Technique: The Muyubao Landslide in the Three Gorges Reservoir Area, China. Remote Sensing, 2020, 12, 3385.	4.0	62
17	Developing a Dynamic Web-GIS Based Landslide Early Warning System for the Chittagong Metropolitan Area, Bangladesh. ISPRS International Journal of Geo-Information, 2018, 7, 485.	2.9	46
18	Annual variation of landslide stability under the effect of water level fluctuation and rainfall in the Three Gorges Reservoir, China. Environmental Earth Sciences, 2017, 76, 1.	2.7	40

#	Article	IF	Citations
19	Enhanced dynamic landslide hazard mapping using MT-InSAR method in the Three Gorges Reservoir Area. Landslides, 2022, 19, 1585-1597.	5.4	40
20	Regional Rainfall Warning System for Landslides with Creep Deformation in Three Gorges using a Statistical Black Box Model. Scientific Reports, 2019, 9, 8962.	3.3	38
21	Establishment of Landslide Groundwater Level Prediction Model Based on GA-SVM and Influencing Factor Analysis. Sensors, 2020, 20, 845.	3.8	36
22	Characteristic comparison of seepage-driven and buoyancy-driven landslides in Three Gorges Reservoir area, China. Engineering Geology, 2022, 301, 106590.	6.3	34
23	A hydro-mechanical coupled analysis of rainfall induced landslide using a hypoplastic constitutive model. Computers and Geotechnics, 2019, 112, 284-292.	4.7	32
24	A novel method for landslide displacement prediction by integrating advanced computational intelligence algorithms. Scientific Reports, 2018, 8, 7287.	3.3	31
25	Landslide Susceptibility Mapping Combining Information Gain Ratio and Support Vector Machines: A Case Study from Wushan Segment in the Three Gorges Reservoir Area, China. Applied Sciences (Switzerland), 2019, 9, 4756.	2.5	31
26	Landslide hazard probability and risk assessment at the community level: a case of western Hubei, China. Natural Hazards and Earth System Sciences, 2020, 20, 581-601.	3.6	30
27	Retrieval of time series three-dimensional landslide surface displacements from multi-angular SAR observations. Landslides, 2018, 15, 1015-1027.	5.4	27
28	Forecasting of landslide displacements using a chaos theory based wavelet analysis-Volterra filter model. Scientific Reports, 2019, 9, 19853.	3.3	27
29	Landslide Displacement Prediction Combining LSTM and SVR Algorithms: A Case Study of Shengjibao Landslide from the Three Gorges Reservoir Area. Applied Sciences (Switzerland), 2020, 10, 7830.	2.5	23
30	Characterizing the Development Pattern of a Colluvial Landslide Based on Long-Term Monitoring in the Three Gorges Reservoir. Remote Sensing, 2021, 13, 224.	4.0	21
31	Chasing a complete understanding of the failure mechanisms and potential hazards of the slow moving Liangshuijing landslide. Engineering Geology, 2021, 281, 105977.	6.3	16
32	Quantitative risk analysis of the hazard chain triggered by a landslide and the generated tsunami in the Three Gorges Reservoir area. Landslides, 2021, 18, 667-680.	5.4	15
33	Susceptibility Assessment for Landslide Initiated along Power Transmission Lines. Remote Sensing, 2021, 13, 5068.	4.0	14
34	Modeling of landslide generated impulsive waves considering complex topography in reservoir area. Environmental Earth Sciences, 2016, 75, 1.	2.7	13
35	Groundwater level prediction based on a combined intelligence method for the Sifangbei landslide in the Three Gorges Reservoir Area. Scientific Reports, 2022, 12, .	3.3	13
36	Landslide displacement analysis based on fractal theory, in Wanzhou District, Three Gorges Reservoir, China. Geomatics, Natural Hazards and Risk, 2016, 7, 1707-1725.	4.3	12

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37	Estimation of probability distribution of shear strength of slip zone soils in Middle Jurassic red beds in Wanzhou of China. Landslides, 2017, 14, 2165-2174.	5.4	12
38	Comparison between the first and second wave crest amplitude generated by landslides. Ocean Engineering, 2019, 171, 71-77.	4.3	11
39	Coupling Data- and Knowledge-Driven Methods for Landslide Susceptibility Mapping in Human-Modified Environments: A Case Study from Wanzhou County, Three Gorges Reservoir Area, China. Remote Sensing, 2022, 14, 774.	4.0	11
40	Geochemistry of geothermal waters from the Gonghe region, Northwestern China: implications for identification of the heat source. Environmental Earth Sciences, 2016, 75, 1.	2.7	9
41	Satellite InSAR as a New Tool for the Verification of Landslide Engineering Remedial Works at the Regional Scale: A Case Study in the Three Gorges Resevoir Area, China. Applied Sciences (Switzerland), 2020, 10, 6435.	2.5	8