Chen Cao

List of Publications by Year
in descending order

21 papers	509 citations	840776 11 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	539 citing authors

#	Article	IF	Citations
1	Flash Flood Hazard Susceptibility Mapping Using Frequency Ratio and Statistical Index Methods in Coalmine Subsidence Areas. Sustainability, 2016, 8, 948.	3.2	164
2	Softening Damage Analysis of Gypsum Rock With Water Immersion Time Based on Laboratory Experiment. IEEE Access, 2019, 7, 125575-125585.	4.2	53
3	Quantitative estimation of debris flow source materials by integrating multi-source data: A case study. Engineering Geology, 2021, 291, 106222.	6.3	47
4	Landslide Susceptibility Mapping in Vertical Distribution Law of Precipitation Area: Case of the Xulong Hydropower Station Reservoir, Southwestern China. Water (Switzerland), 2016, 8, 270.	2.7	41
5	Hazard Assessment of Debris-Flow along the Baicha River in Heshigten Banner, Inner Mongolia, China. International Journal of Environmental Research and Public Health, 2017, 14, 30.	2.6	22
6	The Influence of Different Knowledge-Driven Methods on Landslide Susceptibility Mapping: A Case Study in the Changbai Mountain Area, Northeast China. Entropy, 2019, 21, 372.	2.2	22
7	Preliminary Identification of Geological Hazards from Songpinggou to Feihong in Mao County along the Minjiang River Using SBAS-InSAR Technique Integrated Multiple Spatial Analysis Methods. Sustainability, 2021, 13, 1017.	3.2	22
8	Mapping debris flow susceptibility based on watershed unit and grid cell unit: a comparison study. Geomatics, Natural Hazards and Risk, 2019, 10, 1648-1666.	4.3	17
9	Refined landslide susceptibility analysis based on InSAR technology and UAV multi-source data. Journal of Cleaner Production, 2022, 368, 133146.	9.3	16
10	A multivariate method for identifying structural domain boundaries in a rock mass. Bulletin of Engineering Geology and the Environment, 2015, 74, 1407-1418.	3.5	12
11	Assessment of check damsâ€™ role in flood hazard mapping in a semi-arid environment. Geomatics, Natural Hazards and Risk, 2019, 10, 2239-2256.	4.3	12
12	A Progressive Framework for Delineating Homogeneous Domains in Complicated Fractured Rock Masses: A Case Study from the Xulong Dam Site, China. Rock Mechanics and Rock Engineering, 2020, 53, 1623-1646.	5.4	12
13	Stability evaluation of rock slope based on discrete fracture network and discrete element model: a case study for the right bank of Yigong Zangbu Bridge. Acta Geotechnica, 2022, 17, 1423-1441.	5.7	12
14	Identification of the Potential Critical Slip Surface for Fractured Rock Slope Using the Floyd Algorithm. Remote Sensing, 2022, 14, 1284.	4.0	12
15	Comparative Study on Potential Landslide Identification with ALOS-2 and Sentinel-1A Data in Heavy Forest Reach, Upstream of the Jinsha River. Remote Sensing, 2022, 14, 1962.	4.0	12
16	An Approach to Predict Debris Flow Average Velocity. Water (Switzerland), 2017, 9, 205.	2.7	11
17	Identification of structural domains by considering multiple discontinuity characteristics: a case study of the Songta Dam. Bulletin of Engineering Geology and the Environment, 2018, 77, 1589-1598.	3.5	10
18	A comparative evaluation of machine learning algorithms and an improved optimal model for landslide susceptibility: a case study. Geomatics, Natural Hazards and Risk, 2021, 12, 1973-2001.	4.3	6

#	Article	IF	Citations
19	Geospatial Analysis of Mass-Wasting Susceptibility of Four Small Catchments in Mountainous Area of Miyun County, Beijing. International Journal of Environmental Research and Public Health, 2019, 16, 2801.	2.6	4
20	Engineering Classification of Jointed Rock Mass Based on Connectional Expectation: A Case Study for Songta Dam Site, China. Advances in Civil Engineering, 2020, 2020, 1-15.	0.7	2
21	Sequence Analysis of Ancient River Blocking Events in SE Tibetan Plateau Using Multidisciplinary Approaches. Water (Switzerland), 2022, 14, 968.	2.7	0