Wu Zhenyu

List of Publications by Year
in descending order

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22 papers	157 citations	1307594 7 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	82 citing authors

#	Article	IF	Citations
1	Effect of the spatial variability of strength parameters on the dynamic damage characteristics of gravity dams. Engineering Structures, 2019, 183, 281-289.	5.3	20
2	Fuzzy seismic fragility analysis of gravity dams considering spatial variability of material parameters. Soil Dynamics and Earthquake Engineering, 2021, 140, 106439.	3.8	16
3	Study of the key technologies of application of tuff powder concrete at the Daigo hydropower station in Tibet. Construction and Building Materials, 2017, 156, 1-8.	7.2	15
4	Discussion on the allowable safety factor of slope stability for high rockfill dams in China. Engineering Geology, 2020, 272, 105666.	6.3	15
5	An algorithm in generalized coordinate system and its application to reliability analysis of seismic slope stability of high rockfill dams. Engineering Geology, 2015, 188, 88-96.	6.3	14
6	Enhancement of semi-theoretical models for predicting peak discharges in breached embankment dams. Environmental Fluid Mechanics, 2020, 20, 885-904.	1.6	10
7	Efficient seismic risk analysis of gravity dams via screening of intensity measures and simulated non-parametric fragility curves. Soil Dynamics and Earthquake Engineering, 2022, 152, 107040.	3.8	9
8	Dynamic Risk Evaluation and Early Warning of Crest Cracking for High Earth-Rockfill Dams through Bayesian Parameter Updating. Applied Sciences (Switzerland), 2020, 10, 7627.	2.5	8
9	An advanced Bayesian parameter estimation methodology for concrete dams combining an improved extraction technique of hydrostatic component and hybrid response surface method. Engineering Structures, 2022, 267, 114687.	5.3	8
10	Separate modeling technique for deformation monitoring of concrete dams. Structural Health Monitoring, 2022, 21, 2968-2989.	7.5	7
11	Research and Application of Critical Failure Paths Identification Method for Dam Risk Analysis. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	6
12	PS Selection Method for and Application to GB-SAR Monitoring of Dam Deformation. Advances in Civil Engineering, 2019, 2019, 1-15.	0.7	5
13	Effect of correlated random fields on nonlinear dynamic responses of gravity dam. Natural Hazards, 2021, 106, 79-96.	3.4	5
14	FEM-Bayesian Kriging method for deformation field estimation of earth dams with limited monitoring data. Computers and Geotechnics, 2022, 148, 104782.	4.7	5
15	Comparison of homogenous and random fields of tensile strength effects on the nonlinear dynamical response of Guandi concrete gravity dams under strong earthquake waves. Structure and Infrastructure Engineering, 2021, 17, 1684-1697.	3.7	4
16	Analysis of Sluice Foundation Seepage Using Monitoring Data and Numerical Simulation. Advances in Civil Engineering, 2019, 2019, 1-15.	0.7	3
17	Overtopping Risk Analysis of Earth Dams considering Effects of Failure Duration of Release Structures. Complexity, 2020, 2020, 1-15.	1.6	3
18	Study on leakage dissolution around the dam foundation of the Qingju Hydropower Station and its engineering influence on the dam. Bulletin of Engineering Geology and the Environment, 2015, 74, 1463-1473.	3.5	1

#	Article	IF	Citations
19	Research and Application of a Seismic Damage Classification Method of Concrete Gravity Dams Using Displacement in the Crest. Applied Sciences (Switzerland), 2020, 10, 4134.	2.5	1
20	An optimized compact reconstruction weighted essentially non-oscillatory scheme for Degasperis-Procesi equation. Numerical Heat Transfer, Part B: Fundamentals, 2020, 77, 328-347.	0.9	1
21	Reliability analysis of slope with cross-correlated spatially variable soil properties using AFOSM. Environmental Earth Sciences, 2021, 80, 1.	2.7	1
22	Investigation on the Nonlinear Time Series Predication of Monitoring Data in Geotechnical Engineering. , 2009, , .		0