Wei Zhang

List of Publications by Year
in descending order

21 papers	383 citations	933410 10 h-index	794568 19 g-index
22 all docs	22 docs citations	22 times ranked	349 citing authors

#	Article	IF	Citations
1	Thermodynamic-based cross-scale model for structural soil with emphasis on bond dissolution. Canadian Geotechnical Journal, 2022, 59, 1-11.	2.8	13
2	System dynamics: A new approach for the evaluation of urban underground resource integrated development. Tunnelling and Underground Space Technology, 2022, 119, 104213.	6.2	6
3	Forecasting reservoir-induced landslide deformation using genetic algorithm enhanced multivariate Taylor series Kalman filter. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	6
4	Deformation prediction of reservoir landslides based on a Bayesian optimized random forest-combined Kalman filter. Environmental Earth Sciences, 2022, 81, 1.	2.7	12
5	Large deformation slope failure â€" A perspective from multiscale modelling. Computers and Geotechnics, 2022, 150, 104886.	4.7	3
6	Strain integration-based soil shear displacement measurement using high-resolution strain sensing technology. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108210.	5.0	44
7	Simulation of a Submarine Landslide Using the Coupled Material Point Method. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	3
8	Forecasting Disastrous Characteristics of Highway Landslides Using the Material Point Method: A Surcharge-Induced Perspective. Advances in Civil Engineering, 2020, 2020, 1-13.	0.7	0
9	Modeling dynamic responses of a cross-river road shield tunnel under stochastic vehicle loads. Tunnelling and Underground Space Technology, 2020, 102, 103432.	6.2	14
10	Modelling Ambient Vibration Responses Induced by Operation of Metro Train on Curved Rail Segment with Small Curvature Radius. Mathematical Problems in Engineering, 2020, 2020, 1-17.	1.1	2
11	Dynamic Responses of Soils around a One-Hole Double-Track Tunnel with the Metro Train Meeting. Shock and Vibration, 2020, 2020, 1-16.	0.6	7
12	Forecasting slope deformation field using correlated grey model updated with time correction factor and background value optimization. Engineering Geology, 2019, 260, 105215.	6.3	48
13	Fast vibration characteristics analysis of an underwater shield tunnel using the accelerometer network enhanced by edge computing. Measurement: Journal of the International Measurement Confederation, 2019, 141, 52-61.	5.0	11
14	Run-out of the 2015 Shenzhen landslide using the material point method with the softening model. Bulletin of Engineering Geology and the Environment, 2019, 78, 1225-1236.	3.5	31
15	Analysis of the Entire Failure Process of the Rotational Slide Using the Material Point Method. International Journal of Geomechanics, 2018, 18, .	2.7	25
16	Autonomous evaluation of ambient vibration of underground spaces induced by adjacent subway trains using high-sensitivity wireless smart sensors. Smart Structures and Systems, 2017, 19, 1-10.	1.9	8
17	Combined Annoyance Assessment of Subway Train-Induced Structural Vibration and Ambient Noise. Shock and Vibration, 2016, 2016, 1-8.	0.6	5
18	Embedding human annoyance rate models in wireless smart sensors for assessing the influence of subway train-induced ambient vibration. Smart Materials and Structures, 2016, 25, 105023.	3.5	5

#	Article	IF	Citations
19	Fuzzy Analytic Hierarchy Process Synthetic Evaluation Models for the Health Monitoring of Shield Tunnels. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 676-688.	9.8	57
20	The strain field method for structural damage identification using Brillouin optical fiber sensing. Smart Materials and Structures, 2007, 16, 843-850.	3.5	30
21	Health Monitoring of Rehabilitated Concrete Bridges Using Distributed Optical Fiber Sensing. Computer-Aided Civil and Infrastructure Engineering, 2006, 21, 411-424.	9.8	53