Wei Cui

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5108235/publications.pdf

Version: 2024-02-01

23	394	687363 13	794594 19
papers	citations	h-index	g-index

23	23	23	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of two new anti-washout grouting materials using multi-way ANOVA in conjunction with grey relational analysis. Construction and Building Materials, 2017, 156, 184-198.	7.2	60
2	A large-scale colluvial landslide caused by multiple factors: mechanism analysis and phased stabilization. Landslides, 2016, 13, 321-335.	5.4	34
3	Development and experimental study on environmental slurry for slurry shield tunneling. Construction and Building Materials, 2019, 216, 416-423.	7.2	32
4	Blocking analysis of fresh self-compacting concrete based on the DEM. Construction and Building Materials, 2018, 168, 412-421.	7.2	29
5	Simulating the workability of fresh self-compacting concrete with random polyhedron aggregate based on DEM. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	24
6	Nonlinear dynamic response and damage analysis of hydraulic arched tunnels subjected to P waves with arbitrary incoming angles. Computers and Geotechnics, 2020, 118, 103358.	4.7	24
7	Inelastic dynamic analysis and damage assessment of a hydraulic arched tunnel under near-fault SV waves with arbitrary incoming angles. Tunnelling and Underground Space Technology, 2020, 104, 103523.	6.2	24
8	Washout resistance evaluation of fast-setting cement-based grouts considering time-varying viscosity using CFD simulation. Construction and Building Materials, 2020, 242, 117959.	7.2	22
9	DEM simulation of SCC flow in L-Box set-up: Influence of coarse aggregate shape on SCC flowability. Cement and Concrete Composites, 2020, 109, 103558.	10.7	21
10	Effect of aggregate gradation and mortar rheology on static segregation of self-compacting concrete. Construction and Building Materials, 2020, 259, 119816.	7.2	20
11	An integrated visualization framework to support whole-process management of water pipeline safety. Automation in Construction, 2018, 89, 24-37.	9.8	19
12	Experimental study of salt-resisting slurry for undersea shield tunnelling. Tunnelling and Underground Space Technology, 2020, 98, 103322.	6.2	15
13	Process Simulation and Mesoscopic Analysis of Rockfill Dam Compaction Using Discrete Element Method. International Journal of Geomechanics, 2020, 20, 04020047.	2.7	14
14	DEM study on the response of fresh concrete under vibration. Granular Matter, 2022, 24, 1.	2.2	13
15	Ground motion duration effect on responses of hydraulic shallow-buried tunnel under SV-waves excitations. Earthquake Engineering and Engineering Vibration, 2020, 19, 887-902.	2.3	12
16	Simulation of underwater concrete movement in flowing water using DEM-CFD coupling method. Construction and Building Materials, 2022, 319, 126134.	7.2	8
17	Stop-end method for the panel connection of cut-off walls. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 457-468.	1.6	6
18	Experimental Study on Deterioration Characteristics of Prestressed Concrete under the Coupling of Freezeâ€“Thaw and Corrosion. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	5

#	Article	IF	Citations
19	Modeling of three-dimensional single rough rock fissures: A study on flow rate and fractal parameters using the Weierstrass-Mandelbrot function. Computers and Geotechnics, 2022, 144, 104655.	4.7	5
20	Identification of unstable bedrock promontory on steep slope based on UAV photogrammetry. Bulletin of Engineering Geology and the Environment, 2021, 80, 7193-7211.	3.5	3
21	Discussion: Stop-end method for the panel connection of cut-off walls. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2016, 169, 314-314.	1.6	2
22	Poromechanical Microplane Model with Thermodynamics for Deterioration of Concrete Subjected to Freezeâ€“Thaw Cycles. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	1
23	Early-Age Cracking Analysis of a HVFA Concrete Structure Based on Thermo-Hygro-Mechanical Modeling Combined with XFEM. Advances in Materials Science and Engineering, 2020, 2020, 1-13.	1.8	1