

# Wei Cui

## List of Publications by Year in descending order

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23  
papers

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citations

687363

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docs citations

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times ranked

234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study on Deterioration Characteristics of Prestressed Concrete under the Coupling of Freeze-Thaw and Corrosion. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	5
2	Simulation of underwater concrete movement in flowing water using DEM-CFD coupling method. <i>Construction and Building Materials</i> , 2022, 319, 126134.	7.2	8
3	DEM study on the response of fresh concrete under vibration. <i>Granular Matter</i> , 2022, 24, 1.	2.2	13
4	Modeling of three-dimensional single rough rock fissures: A study on flow rate and fractal parameters using the Weierstrass-Mandelbrot function. <i>Computers and Geotechnics</i> , 2022, 144, 104655.	4.7	5
5	Identification of unstable bedrock promontory on steep slope based on UAV photogrammetry. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 7193-7211.	3.5	3
6	Nonlinear dynamic response and damage analysis of hydraulic arched tunnels subjected to P waves with arbitrary incoming angles. <i>Computers and Geotechnics</i> , 2020, 118, 103358.	4.7	24
7	Ground motion duration effect on responses of hydraulic shallow-buried tunnel under SV-waves excitations. <i>Earthquake Engineering and Engineering Vibration</i> , 2020, 19, 887-902.	2.3	12
8	Inelastic dynamic analysis and damage assessment of a hydraulic arched tunnel under near-fault SV waves with arbitrary incoming angles. <i>Tunnelling and Underground Space Technology</i> , 2020, 104, 103523.	6.2	24
9	Poromechanical Microplane Model with Thermodynamics for Deterioration of Concrete Subjected to Freeze-Thaw Cycles. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	1
10	Early-Age Cracking Analysis of a HVFA Concrete Structure Based on Thermo-Hygro-Mechanical Modeling Combined with XFEM. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-13.	1.8	1
11	Effect of aggregate gradation and mortar rheology on static segregation of self-compacting concrete. <i>Construction and Building Materials</i> , 2020, 259, 119816.	7.2	20
12	DEM simulation of SCC flow in L-Box set-up: Influence of coarse aggregate shape on SCC flowability. <i>Cement and Concrete Composites</i> , 2020, 109, 103558.	10.7	21
13	Washout resistance evaluation of fast-setting cement-based grouts considering time-varying viscosity using CFD simulation. <i>Construction and Building Materials</i> , 2020, 242, 117959.	7.2	22
14	Process Simulation and Mesoscopic Analysis of Rockfill Dam Compaction Using Discrete Element Method. <i>International Journal of Geomechanics</i> , 2020, 20, 04020047.	2.7	14
15	Experimental study of salt-resisting slurry for undersea shield tunnelling. <i>Tunnelling and Underground Space Technology</i> , 2020, 98, 103322.	6.2	15
16	Development and experimental study on environmental slurry for slurry shield tunneling. <i>Construction and Building Materials</i> , 2019, 216, 416-423.	7.2	32
17	Blocking analysis of fresh self-compacting concrete based on the DEM. <i>Construction and Building Materials</i> , 2018, 168, 412-421.	7.2	29
18	An integrated visualization framework to support whole-process management of water pipeline safety. <i>Automation in Construction</i> , 2018, 89, 24-37.	9.8	19

#	ARTICLE	IF	CITATIONS
19	Development of two new anti-washout grouting materials using multi-way ANOVA in conjunction with grey relational analysis. <i>Construction and Building Materials</i> , 2017, 156, 184-198.	7.2	60
20	Simulating the workability of fresh self-compacting concrete with random polyhedron aggregate based on DEM. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	24
21	Discussion: Stop-end method for the panel connection of cut-off walls. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2016, 169, 314-314.	1.6	2
22	A large-scale colluvial landslide caused by multiple factors: mechanism analysis and phased stabilization. <i>Landslides</i> , 2016, 13, 321-335.	5.4	34
23	Stop-end method for the panel connection of cut-off walls. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2015, 168, 457-468.	1.6	6