

Yuan-jie Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

448
citations

933264

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839398

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all docs

18
docs citations

18
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Forensic analysis and numerical simulation of a catastrophic landslide of dissolved and fractured rock slope subject to underground mining. <i>Landslides</i> , 2022, 19, 1045-1067.	2.7	23
2	Discrete Element Modeling of Instability Mechanisms of Unbound Permeable Aggregate Base Materials in Triaxial Compression. <i>Materials</i> , 2022, 15, 2716.	1.3	2
3	Characterizing and Predicting the Resilient Modulus of Recycled Aggregates from Building Demolition Waste with Breakage-Induced Gradation Variation. <i>Materials</i> , 2022, 15, 2670.	1.3	9
4	Evaluating the Effect of Rail Fastener Failure on Dynamic Responses of Train-Ballasted Track-Subgrade Coupling System for Smart Track Condition Assessment. <i>Materials</i> , 2022, 15, 2675.	1.3	2
5	Fatigue damage numerical simulation of cement-treated base materials by discrete element method. <i>Construction and Building Materials</i> , 2021, 276, 122142.	3.2	19
6	Effect of Viscoelastic Deformation for CA Mortar on Mechanical Responses of Track Structures. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2464-2473.	0.9	11
7	Evaluating Gyrotory Compaction Characteristics of Unbound Permeable Aggregate Base Materials from Meso-Scale Particle Movement Measured by Smart Sensing Technology. <i>Materials</i> , 2021, 14, 4287.	1.3	10
8	Probabilistic model and analysis of coupled train-ballasted track-subgrade system with uncertain structural parameters. <i>Journal of Central South University</i> , 2021, 28, 2238-2256.	1.2	8
9	Shakedown analysis of cyclic plastic deformation characteristics of unbound granular materials under moving wheel loads. <i>Construction and Building Materials</i> , 2018, 167, 457-472.	3.2	52
10	Modeling stress path dependency of cyclic plastic strain accumulation of unbound granular materials under moving wheel loads. <i>Materials and Design</i> , 2018, 137, 9-21.	3.3	16
11	Investigating Strength and Deformation Characteristics of Heavy-Haul Railway Embankment Materials Using Large-Scale Undrained Cyclic Triaxial Tests. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	34
12	Gradation and Packing Characteristics Affecting Stability of Granular Materials: Aggregate Imaging-Based Discrete Element Modeling Approach. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	34
13	Optimizing Stability and Stiffness Through Aggregate Base Gradation. <i>Transportation Research Record</i> , 2016, 2578, 12-20.	1.0	4
14	Performance Checks for Unbound Aggregate Base Permanent Deformation Prediction Models under Dynamic Stress States Induced by Moving Wheel Loading. <i>Procedia Engineering</i> , 2016, 143, 979-990.	1.2	4
15	Laboratory validation of a gradation design concept for sustainable applications of unbound granular materials in pavement construction. <i>Construction and Building Materials</i> , 2016, 129, 125-139.	3.2	10
16	Performance Evaluations of Unbound Aggregate Permanent Deformation Models for Various Aggregate Physical Properties. <i>Transportation Research Record</i> , 2015, 2525, 20-30.	1.0	30
17	Effect of roughness on shear behavior of red clay " concrete interface in large-scale direct shear tests. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1122-1135.	1.4	119
18	Gradation Effects Influencing Mechanical Properties of Aggregate Base"Granular Subbase Materials in Minnesota. <i>Transportation Research Record</i> , 2012, 2267, 14-26.	1.0	61