

Seung Jae Lee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

198
citations

7
h-index

13
g-index

22
ext. papers

260
ext. citations

3
avg, IF

3.15
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 17 | Simulation of triaxial compression tests with polyhedral discrete elements. <i>Computers and Geotechnics</i> , 2012 , 43, 92-100 | 4.4 | 66 |
| 16 | Simulating Ballast Shear Strength from Large-Scale Triaxial Tests: Discrete Element Method. <i>Transportation Research Record</i> , 2013 , 2374, 126-135 | 1.7 | 33 |
| 15 | Influence of coarse aggregate angularity on the mechanical performance of cement-based materials. <i>Construction and Building Materials</i> , 2019 , 204, 184-192 | 6.7 | 17 |
| 14 | Role of Initial Particle Arrangement in Ballast Mechanical Behavior. <i>International Journal of Geomechanics</i> , 2018 , 18, 04017158 | 3.1 | 17 |
| 13 | iDEM: An impulse-based discrete element method for fast granular dynamics. <i>International Journal for Numerical Methods in Engineering</i> , 2015 , 104, 79-103 | 2.4 | 14 |
| 12 | Long-Term Performance of Recycled Concrete Aggregate for Subsurface Drainage. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017015 | 2 | 8 |
| 11 | A Smartphone-Based Image Analysis Technique for Ballast Aggregates 2016 , | | 8 |
| 10 | A new interpretation of three-dimensional particle geometry: M-A-V-L. <i>Transportation Geotechnics</i> , 2020 , 23, 100328 | 4 | 7 |
| 9 | Simulation of Experimental Tests on the JSC-1A Lunar Soil Simulant with Polyhedral Discrete Elements 2010 , | | 6 |
| 8 | Experimental Study on Sinkholes: Soil-Groundwater Behaviors Under Varied Hydrogeological Conditions. <i>Journal of Testing and Evaluation</i> , 2017 , 45, 20160166 | 1 | 5 |
| 7 | Numerical modelling of large deformation problems in geotechnical engineering: A state-of-the-art review. <i>Soils and Foundations</i> , 2021 , 61, 1718-1718 | 2.9 | 4 |
| 6 | Imaging-to-Simulation Framework for Improving Disaster Preparedness of Construction Projects and Neighboring Communities 2017 , | | 3 |
| 5 | Influence of particle morphology simplification on the simulation of granular material behavior. <i>Granular Matter</i> , 2020 , 22, 1 | 2.6 | 3 |
| 4 | Estimation of 3D Sphericity by Volume Measurement [Application to Coarse Aggregates. <i>Transportation Geotechnics</i> , 2020 , 23, 100344 | 4 | 3 |
| 3 | Interrelation of morphological indices and 2-D generalized regularity for coarse aggregate in cement-based materials. <i>Construction and Building Materials</i> , 2020 , 251, 118984 | 6.7 | 2 |
| 2 | Parametric Sensitivity Study of Particle Shape Effect Through 3D Printing. <i>Springer Proceedings in Physics</i> , 2017 , 593-600 | 0.2 | 1 |
| 1 | Characterization of variability in 2-dimensional particle geometry via 3D structured light scanning. <i>Transportation Geotechnics</i> , 2022 , 34, 100760 | 4 | 0 |

