

Moochul Shin

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

519
citations

858243

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20
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of variability in 2-dimensional particle geometry via 3D structured light scanning. <i>Transportation Geotechnics</i> , 2022, 34, 100760.	2.0	2
2	Phenotypic trait of particle geometries. <i>Granular Matter</i> , 2022, 24, .	1.1	2
3	A Numerical Study on Structural Performance of Railway Sleepers Using Ultra High-Performance Concrete (UHPC). <i>Materials</i> , 2021, 14, 2979.	1.3	6
4	Field Tests on Eco-Friendly Railway Precast Concrete Slab. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4140.	1.3	4
5	A new interpretation of three-dimensional particle geometry: M-A-V-L. <i>Transportation Geotechnics</i> , 2020, 23, 100328.	2.0	21
6	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.	3.2	4
7	Influence of coarse aggregate angularity on the mechanical performance of cement-based materials. <i>Construction and Building Materials</i> , 2019, 204, 184-192.	3.2	24
8	Numerical Evaluation of Splitting Performance of Prestressed Concrete Prisms With Larger Diameter Prestressing Wires. , 2019, , .		1
9	Effects of frequency contents of aftershock ground motions on reinforced concrete (RC) bridge columns. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 97, 48-59.	1.9	16
10	A model for estimating horizontal aftershock ground motions for active crustal regions. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 92, 165-175.	1.9	18
11	Structural performances of an eco-friendly prestressed concrete sleeper. <i>Construction and Building Materials</i> , 2016, 102, 445-454.	3.2	18
12	Experimental study on transfer length of an eco-friendly prestressed concrete sleeper. <i>Construction and Building Materials</i> , 2016, 109, 25-33.	3.2	5
13	Parametric Study of RC Bridge Columns Actively Confined with Shape Memory Alloy Spirals under Lateral Cyclic Loading. <i>Journal of Bridge Engineering</i> , 2014, 19, .	1.4	13
14	Finite element modeling and validation of the fastening systems and concrete sleepers used in North America. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2014, 228, 590-602.	1.3	17
15	Experimental study of non-circular concrete elements actively confined with shape memory alloy wires. <i>Construction and Building Materials</i> , 2014, 61, 303-311.	3.2	32
16	Parametric study on damage and load demand of prestressed concrete crosstie and fastening systems. <i>Engineering Failure Analysis</i> , 2014, 46, 49-61.	1.8	16
17	Lateral Cyclic Behavior of Reinforced Concrete Columns Retrofitted with Shape Memory Spirals and FRP Wraps. <i>Journal of Structural Engineering</i> , 2011, 137, 1282-1290.	1.7	66
18	Experimental investigation of actively confined concrete using shape memory alloys. <i>Engineering Structures</i> , 2010, 32, 656-664.	2.6	131

#	ARTICLE	IF	CITATIONS
19	Active Confinement of Reinforced Concrete Bridge Columns Using Shape Memory Alloys. Journal of Bridge Engineering, 2010, 15, 81-89.	1.4	123