

Byung-Jae Lee

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

379
citations

932766
10
h-index

794141
19
g-index

28
all docs

28
docs citations

28
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study on the hazard assessment and mechanical properties of porous concrete utilizing coal bottom ash coarse aggregate in Korea. <i>Journal of Hazardous Materials</i> , 2009, 166, 348-355.	6.5	72
2	Strength and Durability Performance of Alkali-Activated Rice Husk Ash Geopolymer Mortar. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	64
3	Evaluating the Dynamic Elastic Modulus of Concrete Using Shear-Wave Velocity Measurements. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-13.	1.0	38
4	A study on the seawater purification characteristics of water-permeable concrete using recycled aggregate. <i>Resources, Conservation and Recycling</i> , 2010, 54, 658-665.	5.3	37
5	Effect of Cylinder Size on the Modulus of Elasticity and Compressive Strength of Concrete from Static and Dynamic Tests. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-12.	1.0	32
6	Mechanical and Durability Properties of Concrete Made with Used Foundry Sand as Fine Aggregate. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-11.	1.0	28
7	Chloride Permeability of Damaged High-Performance Fiber-Reinforced Cement Composite by Repeated Compressive Loads. <i>Materials</i> , 2014, 7, 5802-5815.	1.3	19
8	Development of a Semirigid Pavement Incorporating Ultrarapid Hardening Cement and Chemical Admixtures for Cement Grouts. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-9.	1.0	13
9	Evaluation Technique of Chloride Penetration Using Apparent Diffusion Coefficient and Neural Network Algorithm. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-13.	1.0	11
10	Photocatalytic and Pozzolanic Properties of Nano-SiO ₂ /Al ₂ O ₃ -TiO ₂ Powder for Functional Mortar. <i>Materials</i> , 2019, 12, 1037.	1.3	11
11	Performance Analysis of CFRP Composite Strips Confined RC Columns under Axial Compression. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-18.	1.0	8
12	Eco-friendly porous concrete using bottom ash aggregate for marine ranch application. <i>Waste Management and Research</i> , 2016, 34, 214-224.	2.2	8
13	Durability of Latex Modified Concrete Mixed with a Shrinkage Reducing Agent for Bridge Deck Pavement. <i>International Journal of Concrete Structures and Materials</i> , 2018, 12, .	1.4	8
14	Evaluation of Concrete Durability Performance with Sodium Silicate Impregnants. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-11.	1.0	6
15	Strength and Water Purification Properties of Environment-Friendly Construction Material Produced with the (D)PAOs and Zeolite. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 972.	1.3	6
16	Concrete Mix Design for Service Life of RC Structures under Carbonation Using Genetic Algorithm. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-13.	1.0	4
17	The Effect of Specimen Size on the Results of Concrete Adiabatic Temperature Rise Test with Commercially Available Equipment. <i>Materials</i> , 2014, 7, 7861-7874.	1.3	3
18	Performance Evaluation of Semiplastic Recycled Cold Asphalt Using Noncement Binders. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-9.	1.0	3

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19	Effect of Concrete Strength on Chloride Ion Penetration Resistance and Chemical Resistance of Concrete Coated by Siloxane-based Water Repellent. Journal of the Korea Concrete Institute, 2018, 30, 583-590.	0.1	3
20	Effects of infilled concrete and longitudinal rebar on flexural performance of composite PHC pile. Structural Engineering and Mechanics, 2014, 52, 843-855.	1.0	3
21	Experimental Study on the Microstructure of Cementless Concrete through the SEM and XRD Analysis. Key Engineering Materials, 0, 665, 193-196.	0.4	2
22	The Effects of Expansive Additive on Rapid Hardening Cement Grout for Semi-Rigid Pavement. Advanced Materials Research, 0, 831, 376-379.	0.3	0
23	Flexural Strength of SHCC Panels Dependent on Fly Ash Type and Curing Condition. Advanced Materials Research, 2013, 831, 14-17.	0.3	0
24	Physical Properties of Waste Concrete Recycled Aggregates According to Coating Factor. Applied Mechanics and Materials, 2013, 395-396, 439-442.	0.2	0
25	Study on the Physical Properties of Recycled Cold Asphalt Using Cementless Binders. Key Engineering Materials, 0, 665, 185-188.	0.4	0
26	Study on the Durability of Cementless Concrete Produced with Industrial By-Products. Key Engineering Materials, 0, 665, 189-192.	0.4	0
27	Marine-organism adhesion characteristics of porous concrete produced with recycled aggregate and specially treated granular fertilizer. Contemporary Engineering Sciences, 0, 8, 1001-1011.	0.2	0
28	Durability of recycled asphalt pavement using cementless binders and polymers. Contemporary Engineering Sciences, 0, 8, 641-651.	0.2	0