

Eun-Ik Yang

List of Publications by Year in descending order

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31
papers

1,048
citations

687363

13
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

890
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of oyster shell substituted for fine aggregate on concrete characteristics: Part I. Fundamental properties. <i>Cement and Concrete Research</i> , 2005, 35, 2175-2182.	11.0	214
2	Effect of specimen sizes, specimen shapes, and placement directions on compressive strength of concrete. <i>Nuclear Engineering and Design</i> , 2006, 236, 115-127.	1.7	207
3	Effect of partial replacement of sand with dry oyster shell on the long-term performance of concrete. <i>Construction and Building Materials</i> , 2010, 24, 758-765.	7.2	129
4	Effect of corrosion method of the reinforcing bar on bond characteristics in reinforced concrete specimens. <i>Construction and Building Materials</i> , 2014, 54, 180-189.	7.2	80
5	Evaluation of durability of concrete substituted heavyweight waste glass as fine aggregate. <i>Construction and Building Materials</i> , 2018, 184, 269-277.	7.2	77
6	Effect of calcium leaching on the pore structure, strength, and chloride penetration resistance in concrete specimens. <i>Nuclear Engineering and Design</i> , 2013, 259, 126-136.	1.7	76
7	Effects of heavy weight waste glass recycled as fine aggregate on the mechanical properties of mortar specimens. <i>Annals of Nuclear Energy</i> , 2017, 99, 372-382.	1.8	48
8	Evaluation of concrete durability due to carbonation in harbor concrete structures. <i>Construction and Building Materials</i> , 2013, 48, 1045-1049.	7.2	43
9	Application of the colorimetric method to chloride diffusion evaluation in concrete structures. <i>Construction and Building Materials</i> , 2013, 41, 239-245.	7.2	27
10	A comparison study of performance and environmental impacts of chloride-based deicers and eco-label certified deicers in South Korea. <i>Cold Regions Science and Technology</i> , 2017, 143, 43-51.	3.5	26
11	Characteristics of volume change and heavy metal leaching in mortar specimens recycled heavyweight waste glass as fine aggregate. <i>Construction and Building Materials</i> , 2018, 165, 424-433.	7.2	21
12	Comparison of Drying Shrinkage of Concrete Specimens Recycled Heavyweight Waste Glass and Steel Slag as Aggregate. <i>Materials</i> , 2020, 13, 5084.	2.9	17
13	An experimental study on absorptivity measurement of superabsorbent polymers (SAP) and effect of SAP on freeze-thaw resistance in mortar specimen. <i>Construction and Building Materials</i> , 2021, 267, 120974.	7.2	15
14	Mechanical Characteristics of Axially Restrained Concrete Specimens at Early Ages. <i>Journal of Materials in Civil Engineering</i> , 2004, 16, 35-44.	2.9	9
15	Effect of Internal Pores Formed by a Superabsorbent Polymer on Durability and Drying Shrinkage of Concrete Specimens. <i>Materials</i> , 2021, 14, 5199.	2.9	9
16	Characteristics of Pore Structures and Compressive Strength in Calcium Leached Concrete Specimens. <i>Journal of the Korea Concrete Institute</i> , 2011, 23, 647-656.	0.2	9
17	Evaluation of durability and radiation shielding property of heavyweight filling material for application in radioactive disposal facilities. <i>Annals of Nuclear Energy</i> , 2019, 133, 750-761.	1.8	6
18	An Experimental Study on Alkali Silica Reaction of Concrete Specimen Using Steel Slag as Aggregate. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6699.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Effect of axial restraint on mechanical behavior and average crack spacing of reinforced concrete flexural members. Nuclear Engineering and Design, 2004, 228, 107-117.	1.7	4
20	Evaluation on the Applicability of Heavy Weight Waste Glass as Fine Aggregate of Shielding Concrete. Journal of the Korea Institute for Structural Maintenance Inspection, 2015, 19, 101-108.	0.1	4
21	Chloride Diffusion in Hardened Concrete with Concrete Properties and Testing Method. Journal of the Korea Concrete Institute, 2004, 16, 261-268.	0.2	4
22	Experimental study on structural behaviour of calcium leaching damaged concrete member. Magazine of Concrete Research, 0, , 1-39.	2.0	3
23	An Experimental Study on Flexural Behaviors of Reinforced Concrete Member Replaced Heavyweight Waste Glass as Fine Aggregate under Cyclic Loading. Applied Sciences (Switzerland), 2018, 8, 2208.	2.5	3
24	Long-Term Performance Evaluation of Concrete Utilizing Oyster Shell in Lieu of Fine Aggregate. Journal of the Korea Concrete Institute, 2003, 15, 280-287.	0.2	3
25	Analytical Study on Structural Behavior of Surface Damaged Concrete Member by Calcium Leaching Degradation. Journal of the Korea Institute for Structural Maintenance Inspection, 2014, 18, 22-32.	0.1	3
26	Durability of latex-modified concrete carried by ready-mix truck for concrete rooftops. Magazine of Concrete Research, 2016, 68, 318-324.	2.0	2
27	Characteristics of Calcium Leaching Resistance for Concrete Mixed with Mineral Admixture. Journal of the Korea Institute for Structural Maintenance Inspection, 2016, 20, 59-67.	0.1	2
28	A Study on the Optimum Material Mix Design for Vegetation Shotcrete Using Mineral Additive. Key Engineering Materials, 2017, 744, 21-26.	0.4	1
29	Analytical Study on the Flexural Behavior of Reinforced Concrete Beam with Mineral Admixture under Calcium Leaching Degradation. Materials Science Forum, 0, 940, 123-127.	0.3	0
30	Characteristics of Flexural Behavior of Reinforced Concrete Member Substituted Heavyweight Waste Glass as Fine Aggregate. Materials Science Forum, 0, 940, 141-145.	0.3	0
31	An experimental study on the flexural behavior of RC member under long-term calcium leaching degradation. Journal of Structural Integrity and Maintenance, 2021, 6, 16-27.	1.5	0