

Yun-Yong Kim

List of Publications by Year in Descending Order

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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.

55 papers	1,169 citations	17 h-index	33 g-index
57 ext. papers	1,432 ext. citations	3 avg, IF	4.47 L-index

#	Paper	IF	Citations
55	Effects of the Replacement Length of Concrete with ECC on the Cyclic Behavior of Reinforced Concrete Columns. <i>Materials</i> , 2021 , 14,	3.5	1
54	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,	2.8	7
53	Effect of Concrete Strength on Chloride Ion Penetration Resistance and Chemical Resistance of Concrete Coated by Siloxane-based Water Repellent. <i>Journal of the Korea Concrete Institute</i> , 2018 , 30, 583-590	0.8	2
52	Composite Properties and Micromechanical Analysis of Highly Ductile Cement Composite Incorporating Limestone Powder. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 151	2.6	3
51	Using carbon-fibre-reinforced polymer to strengthen concrete-filled steel tubular columns. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017 , 170, 917-927	0.9	0
50	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	1.5	7
49	Image-processing technique to detect carbonation regions of concrete sprayed with a phenolphthalein solution. <i>Construction and Building Materials</i> , 2017 , 154, 451-461	6.7	23
48	Construction Condition and Damage Monitoring of Post-Tensioned PSC Girders Using Embedded Sensors. <i>Sensors</i> , 2017 , 17,	3.8	4
47	Evaluating the Dynamic Elastic Modulus of Concrete Using Shear-Wave Velocity Measurements. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-13	1.5	22
46	Eco-friendly porous concrete using bottom ash aggregate for marine ranch application. <i>Waste Management and Research</i> , 2016 , 34, 214-24	4	5
45	Improved Sectional Image Analysis Technique for Evaluating Fiber Orientations in Fiber-Reinforced Cement-Based Materials. <i>Materials</i> , 2016 , 9,	3.5	11
44	Compressive behavior of circular CFST columns externally reinforced using CFRp composites. <i>Thin-Walled Structures</i> , 2015 , 87, 139-148	4.7	29
43	Development of Ecoefficient Engineered Cementitious Composites Using Supplementary Cementitious Materials as a Binder and Bottom Ash Aggregate as Fine Aggregate. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-12	2.4	7
42	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	1.5	17
41	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	1.5	18
40	Performance Analysis of CFRP Composite Strips Confined RC Columns under Axial Compression. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-18	1.5	5
39	Role of fine aggregates on mechanical properties of mortar. <i>Materials Research Innovations</i> , 2015 , 19, S8-690-S8-692	1.9	0

38	Effect of cover depth, w/c ratio, and crack width on half cell potential in cracked concrete exposed to salt sprayed condition. <i>Construction and Building Materials</i> , 2014 , 54, 636-645	6.7	17
37	Effects of foundry sand as a fine aggregate in concrete production. <i>Construction and Building Materials</i> , 2014 , 70, 514-521	6.7	86
36	Thermal stress analysis of reactor containment building considering severe weather condition. <i>Nuclear Engineering and Design</i> , 2014 , 270, 152-161	1.8	5
35	Flexural performance of reinforced concrete beams strengthened with strain-hardening cementitious composite and high strength reinforcing steel bar. <i>Composites Part B: Engineering</i> , 2014 , 56, 512-519	10	34
34	Prediction of concrete compressive strength considering humidity and temperature in the construction of nuclear power plants. <i>Nuclear Engineering and Design</i> , 2014 , 275, 23-29	1.8	14
33	Strength and durability performance of alkali-activated rice husk ash geopolymer mortar. <i>Scientific World Journal, The</i> , 2014 , 2014, 209584	2.2	46
32	Frictional Loss of Prestress Caused by Deflected Tendon. <i>Applied Mechanics and Materials</i> , 2014 , 513-517, 2599-2602	0.3	1
31	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	3.5	1
30	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	1.5	7
29	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	1.5	1
28	Chloride Permeability of Damaged High-Performance Fiber-Reinforced Cement Composite by Repeated Compressive Loads. <i>Materials</i> , 2014 , 7, 5802-5815	3.5	12
27	Evaluation of Concrete Durability Performance with Sodium Silicate Impregnants. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-11	1.5	2
26	Effect of W/C Ratio on Durability and Porosity in Cement Mortar with Constant Cement Amount. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-11	1.5	58
25	Cyclic behavior of connection between footing and concrete-infilled composite PHC pile. <i>Structural Engineering and Mechanics</i> , 2014 , 50, 741-754		5
24	Effects of infilled concrete and longitudinal rebar on flexural performance of composite PHC pile. <i>Structural Engineering and Mechanics</i> , 2014 , 52, 843-855		2
23	The Effects of Expansive Additive on Rapid Hardening Cement Grout for Semi-Rigid Pavement. <i>Advanced Materials Research</i> , 2013 , 831, 376-379	0.5	
22	Mechanical Properties of Water-Permeable Concrete Using Coated Recycled Aggregates and Material for Performance Improvement. <i>Advanced Materials Research</i> , 2013 , 831, 258-262	0.5	2
21	Chloride Resistance of Concrete with Marine Blended Cement Using Corrosion Resistant Mineral Admixture. <i>Advanced Materials Research</i> , 2013 , 831, 23-26	0.5	3

20	Flexural Strength of SHCC Panels Dependent on Fly Ash Type and Curing Condition. <i>Advanced Materials Research</i> , 2013 , 831, 14-17	0.5	
19	Automated image processing technique for detecting and analysing concrete surface cracks. <i>Structure and Infrastructure Engineering</i> , 2013 , 9, 567-577	2.9	79
18	Cyclic responses of reinforced concrete composite columns strengthened in the plastic hinge region by HPFRC mortar. <i>Composite Structures</i> , 2012 , 94, 2246-2253	5.3	69
17	Flexural Toughness of Micro-Fiber Reinforced Mortar. <i>Advanced Materials Research</i> , 2012 , 538-541, 2488-2492	8.5	2492
16	Comparison between Manufacturing Processes of Fiber-Reinforced Cement-Based Panels (FRCBPs). <i>Applied Mechanics and Materials</i> , 2012 , 253-255, 503-507	0.3	0
15	Flexural Behavior of Extruded DFRCC Panel and Reinforced Concrete Composite Slab. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-8	1.5	3
14	Flexural performance and fiber distribution of an extruded DFRCC panel. <i>Computers and Concrete</i> , 2012 , 10, 105-119		2
13	The effect of fibre distribution characteristics on the flexural strength of steel fibre-reinforced ultra high strength concrete. <i>Construction and Building Materials</i> , 2011 , 25, 2450-2457	6.7	156
12	Evaluation of Serviceability Criteria in Wireless Sensor Network for Civil Infrastructure Applications. <i>Applied Mechanics and Materials</i> , 2011 , 105-107, 1807-1811	0.3	
11	Flexural Experiments on Reinforced Concrete Beams Strengthened with ECC and High Strength Rebar. <i>Journal of the Korea Concrete Institute</i> , 2011 , 23, 503-509	0.8	1
10	Fluorescence Characteristic Analysis for Discriminating Fibers in Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , 2010 , 8, 337-344	2.3	3
9	Rheological control of cement paste for applying prepackaged ECCs (Engineered Cementitious Composites) to self-consolidating and shotcreting processes. <i>KSCE Journal of Civil Engineering</i> , 2010 , 14, 743-751	1.9	7
8	Prediction of ECC tensile stress-strain curves based on modified fiber bridging relations considering fiber distribution characteristics. <i>Computers and Concrete</i> , 2010 , 7, 455-468		18
7	Quantitative evaluation technique of Polyvinyl Alcohol (PVA) fiber dispersion in engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2009 , 31, 408-417	8.6	81
6	Displacement-based seismic design of reinforced concrete columns strengthened by FRP jackets using a nonlinear flexural model. <i>Computers and Concrete</i> , 2009 , 6, 95-108		1
5	Groove and embedding techniques using CFRP trapezoidal bars for strengthening of concrete structures. <i>Engineering Structures</i> , 2008 , 30, 1067-1078	4.7	13
4	Nonlinear model of reinforced concrete frames retrofitted by in-filled HPFRCC walls. <i>Structural Engineering and Mechanics</i> , 2008 , 30, 211-223		25
3	Tensile and fiber dispersion performance of ECC (engineered cementitious composites) produced with ground granulated blast furnace slag. <i>Cement and Concrete Research</i> , 2007 , 37, 1096-1105	10.3	133

2	Fatigue crack growth of high-strength concrete in wedge-splitting test. <i>Cement and Concrete Research</i> , 1999 , 29, 705-712	10.3	26
1	Experimental study of the fatigue behavior of high strength concrete. <i>Cement and Concrete Research</i> , 1996 , 26, 1513-1523	10.3	93