Yun-Yong Kim

List of Publications by Citations

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	The effect of fibre distribution characteristics on the flexural strength of steel fibre-reinforced ultra high strength concrete. *Construction and Building Materials*, **2011**, 25, 2450-2457	6.7	156
54	Tensile and fiber dispersion performance of ECC (engineered cementitious composites) produced with ground granulated blast furnace slag. *Cement and Concrete Research*, **2007**, 37, 1096-1105	10.3	133
53	Experimental study of the fatigue behavior of high strength concrete. *Cement and Concrete Research*, **1996**, 26, 1513-1523	10.3	93
52	Effects of foundry sand as a fine aggregate in concrete production. *Construction and Building Materials*, **2014**, 70, 514-521	6.7	86
51	Quantitative evaluation technique of Polyvinyl Alcohol (PVA) fiber dispersion in engineered cementitious composites. *Cement and Concrete Composites*, **2009**, 31, 408-417	8.6	81
50	Automated image processing technique for detecting and analysing concrete surface cracks. *Structure and Infrastructure Engineering*, **2013**, 9, 567-577	2.9	79
49	Cyclic responses of reinforced concrete composite columns strengthened in the plastic hinge region by HPFRC mortar. *Composite Structures*, **2012**, 94, 2246-2253	5.3	69
48	Effect of W/C Ratio on Durability and Porosity in Cement Mortar with Constant Cement Amount. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-11	1.5	58
47	Strength and durability performance of alkali-activated rice husk ash geopolymer mortar. *Scientific World Journal, The*, **2014**, 2014, 209584	2.2	46
46	Flexural performance of reinforced concrete beams strengthened with strain-hardening cementitious composite and high strength reinforcing steel bar. *Composites Part B: Engineering*, **2014**, 56, 512-519	10	34
45	Compressive behavior of circular CFST columns externally reinforced using CFRp composites. *Thin-Walled Structures*, **2015**, 87, 139-148	4.7	29
44	Fatigue crack growth of high-strength concrete in wedge-splitting test. *Cement and Concrete Research*, **1999**, 29, 705-712	10.3	26
43	Nonlinear model of reinforced concrete frames retrofitted by in-filled HPFRCC walls. *Structural Engineering and Mechanics*, **2008**, 30, 211-223		25
42	Image-processing technique to detect carbonation regions of concrete sprayed with a phenolphthalein solution. *Construction and Building Materials*, **2017**, 154, 451-461	6.7	23
41	Evaluating the Dynamic Elastic Modulus of Concrete Using Shear-Wave Velocity Measurements. *Advances in Materials Science and Engineering*, **2017**, 2017, 1-13	1.5	22
40	Effect of Cylinder Size on the Modulus of Elasticity and Compressive Strength of Concrete from Static and Dynamic Tests. *Advances in Materials Science and Engineering*, **2015**, 2015, 1-12	1.5	18
39	Prediction of ECC tensile stress-strain curves based on modified fiber bridging relations considering fiber distribution characteristics. *Computers and Concrete*, **2010**, 7, 455-468		18

38	Effect of cover depth, w/c ratio, and crack width on half cell potential in cracked concrete exposed to salt sprayed condition. *Construction and Building Materials*, **2014**, 54, 636-645	6.7	17
37	Mechanical and Durability Properties of Concrete Made with Used Foundry Sand as Fine Aggregate. *Advances in Materials Science and Engineering*, **2015**, 2015, 1-11	1.5	17
36	Prediction of concrete compressive strength considering humidity and temperature in the construction of nuclear power plants. *Nuclear Engineering and Design*, **2014**, 275, 23-29	1.8	14
35	Groove and embedding techniques using CFRP trapezoidal bars for strengthening of concrete structures. *Engineering Structures*, **2008**, 30, 1067-1078	4.7	13
34	Chloride Permeability of Damaged High-Performance Fiber-Reinforced Cement Composite by Repeated Compressive Loads. *Materials*, **2014**, 7, 5802-5815	3.5	12
33	Improved Sectional Image Analysis Technique for Evaluating Fiber Orientations in Fiber-Reinforced Cement-Based Materials. *Materials*, **2016**, 9,	3.5	11
32	Development of a Semirigid Pavement Incorporating Ultrarapid Hardening Cement and Chemical Admixtures for Cement Grouts. *Advances in Materials Science and Engineering*, **2017**, 2017, 1-9	1.5	7
31	Durability of Latex Modified Concrete Mixed with a Shrinkage Reducing Agent for Bridge Deck Pavement. *International Journal of Concrete Structures and Materials*, **2018**, 12,	2.8	7
30	Development of Ecoefficient Engineered Cementitious Composites Using Supplementary Cementitious Materials as a Binder and Bottom Ash Aggregate as Fine Aggregate. *International Journal of Polymer Science*, **2015**, 2015, 1-12	2.4	7
29	Evaluation Technique of Chloride Penetration Using Apparent Diffusion Coefficient and Neural Network Algorithm. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-13	1.5	7
28	Rheological control of cement paste for applying prepackaged ECCs (Engineered Cementitious Composites) to self-consolidating and shotcreting processes. *KSCE Journal of Civil Engineering*, **2010**, 14, 743-751	1.9	7
27	Eco-friendly porous concrete using bottom ash aggregate for marine ranch application. *Waste Management and Research*, **2016**, 34, 214-24	4	5
26	Thermal stress analysis of reactor containment building considering severe weather condition. *Nuclear Engineering and Design*, **2014**, 270, 152-161	1.8	5
25	Performance Analysis of CFRP Composite Strips Confined RC Columns under Axial Compression. *Advances in Materials Science and Engineering*, **2015**, 2015, 1-18	1.5	5
24	Cyclic behavior of connection between footing and concrete-infilled composite PHC pile. *Structural Engineering and Mechanics*, **2014**, 50, 741-754		5
23	Construction Condition and Damage Monitoring of Post-Tensioned PSC Girders Using Embedded Sensors. *Sensors*, **2017**, 17,	3.8	4
22	Chloride Resistance of Concrete with Marine Blended Cement Using Corrosion Resistant Mineral Admixture. *Advanced Materials Research*, **2013**, 831, 23-26	0.5	3
21	Fluorescence Characteristic Analysis for Discriminating Fibers in Cementitious Composites. *Journal of Advanced Concrete Technology*, **2010**, 8, 337-344	2.3	3

20	Flexural Behavior of Extruded DFRCC Panel and Reinforced Concrete Composite Slab. *Advances in Materials Science and Engineering*, **2012**, 2012, 1-8	1.5	3
19	Composite Properties and Micromechanical Analysis of Highly Ductile Cement Composite Incorporating Limestone Powder. *Applied Sciences (Switzerland)*, **2018**, 8, 151	2.6	3
18	Evaluation of Concrete Durability Performance with Sodium Silicate Impregnants. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-11	1.5	2
17	Mechanical Properties of Water-Permeable Concrete Using Coated Recycled Aggregates and Material for Performance Improvement. *Advanced Materials Research*, **2013**, 831, 258-262	0.5	2
16	Flexural performance and fiber distribution of an extruded DFRCC panel. *Computers and Concrete*, **2012**, 10, 105-119		2
15	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	0.8	2
14	Effects of infilled concrete and longitudinal rebar on flexural performance of composite PHC pile. *Structural Engineering and Mechanics*, **2014**, 52, 843-855		2
13	Frictional Loss of Prestress Caused by Deflected Tendon. *Applied Mechanics and Materials*, **2014**, 513-517, 2599-2602	0.3	1
12	The Effect of Specimen Size on the Results of Concrete Adiabatic Temperature Rise Test with Commercially Available Equipment. *Materials*, **2014**, 7, 7861-7874	3.5	1
11	Concrete Mix Design for Service Life of RC Structures under Carbonation Using Genetic Algorithm. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-13	1.5	1
10	Displacement-based seismic design of reinforced concrete columns strengthened by FRP jackets using a nonlinear flexural model. *Computers and Concrete*, **2009**, 6, 95-108		1
9	Flexural Experiments on Reinforced Concrete Beams Strengthened with ECC and High Strength Rebar. *Journal of the Korea Concrete Institute*, **2011**, 23, 503-509	0.8	1
8	Effects of the Replacement Length of Concrete with ECC on the Cyclic Behavior of Reinforced Concrete Columns. *Materials*, **2021**, 14,	3.5	1
7	Using carbon-fibre-reinforced polymer to strengthen concrete-filled steel tubular columns. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2017**, 170, 917-927	0.9	0
6	Role of fine aggregates on mechanical properties of mortar. *Materials Research Innovations*, **2015**, 19, S8-690-S8-692	1.9	0
5	Comparison between Manufacturing Processes of Fiber-Reinforced Cement-Based Panels (FRCBPs). *Applied Mechanics and Materials*, **2012**, 253-255, 503-507	0.3	0
4	The Effects of Expansive Additive on Rapid Hardening Cement Grout for Semi-Rigid Pavement. *Advanced Materials Research*, **2013**, 831, 376-379	0.5	
3	Flexural Strength of SHCC Panels Dependent on Fly Ash Type and Curing Condition. *Advanced Materials Research*, **2013**, 831, 14-17	0.5	

2	Evaluation of Serviceability Criteria in Wireless Sensor Network for Civil Infrastructure Applications. *Applied Mechanics and Materials*, **2011**, 105-107, 1807-1811	0.3
1	Flexural Toughness of Micro-Fiber Reinforced Mortar. *Advanced Materials Research*, **2012**, 538-541, 2488-2492	0.3