

Dong Joo Kim

List of Publications by Year in descending order

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111
papers

4,332
citations

147726

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114418

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111
all docs

111
docs citations

111
times ranked

2439
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensile behavior of Ultra High Performance Hybrid Fiber Reinforced Concrete. Cement and Concrete Composites, 2012, 34, 172-184.	4.6	523
2	Strain-hardening UHP-FRC with low fiber contents. Materials and Structures/Materiaux Et Constructions, 2011, 44, 583-598.	1.3	349
3	Comparative flexural behavior of four fiber reinforced cementitious composites. Cement and Concrete Composites, 2008, 30, 917-928.	4.6	306
4	Comparative flexural behavior of Hybrid Ultra High Performance Fiber Reinforced Concrete with different macro fibers. Construction and Building Materials, 2011, 25, 4144-4155.	3.2	290
5	Size effect on flexural behavior of ultra-high-performance hybrid fiber-reinforced concrete. Composites Part B: Engineering, 2013, 45, 1104-1116.	5.9	148
6	Size and geometry dependent tensile behavior of ultra-high-performance fiber-reinforced concrete. Composites Part B: Engineering, 2014, 58, 279-292.	5.9	115
7	Rate-dependent tensile behavior of high performance fiber reinforced cementitious composites. Materials and Structures/Materiaux Et Constructions, 2009, 42, 399-414.	1.3	113
8	High rate response of ultra-high-performance fiber-reinforced concretes under direct tension. Cement and Concrete Research, 2015, 69, 72-87.	4.6	108
9	Fracture energy of ultra-high-performance fiber-reinforced concrete at high strain rates. Cement and Concrete Research, 2016, 79, 169-184.	4.6	90
10	High strain rate effects on direct tensile behavior of high performance fiber reinforced cementitious composites. Cement and Concrete Composites, 2014, 45, 186-200.	4.6	85
11	Synergistic response of blending fibers in ultra-high-performance concrete under high rate tensile loads. Cement and Concrete Composites, 2017, 78, 132-145.	4.6	85
12	Investigating the impact resistance of ultra-high-performance fiber-reinforced concrete using an improved strain energy impact test machine. Construction and Building Materials, 2016, 125, 145-159.	3.2	83
13	Investigating direct tensile behavior of high performance fiber reinforced cementitious composites at high strain rates. Cement and Concrete Research, 2013, 50, 62-73.	4.6	75
14	Self-stress sensing smart concrete containing fine steel slag aggregates and steel fibers under high compressive stress. Construction and Building Materials, 2019, 220, 149-160.	3.2	72
15	Cutaneous wound healing in aging small mammals: a systematic review. Wound Repair and Regeneration, 2015, 23, 318-339.	1.5	70
16	Effect of shrinkage reducing agent on pullout resistance of high-strength steel fibers embedded in ultra-high-performance concrete. Cement and Concrete Composites, 2014, 49, 59-69.	4.6	69
17	Comparative electromechanical damage-sensing behaviors of six strain-hardening steel fiber-reinforced cementitious composites under direct tension. Composites Part B: Engineering, 2015, 69, 159-168.	5.9	65
18	Electro-mechanical self-sensing response of ultra-high-performance fiber-reinforced concrete in tension. Composites Part B: Engineering, 2018, 134, 254-264.	5.9	62

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19	Effect of fiber volume content on electromechanical behavior of strain-hardening steel-fiber-reinforced cementitious composites. <i>Journal of Composite Materials</i> , 2015, 49, 3621-3634.	1.2	57
20	High Performance Fiber Reinforced Cement Composites with Innovative Slip Hardening Twisted Steel Fibers. <i>International Journal of Concrete Structures and Materials</i> , 2009, 3, 119-126.	1.4	55
21	Influence of sand to coarse aggregate ratio on the interfacial bond strength of steel fibers in concrete for nuclear power plant. <i>Nuclear Engineering and Design</i> , 2012, 252, 1-10.	0.8	54
22	Matrix-strength-dependent strain-rate sensitivity of strain-hardening fiber-reinforced cementitious composites under tensile impact. <i>Composite Structures</i> , 2017, 162, 313-324.	3.1	54
23	Molecular Phenotyping Small (Asian) versus Large (Western) Plaque Psoriasis Shows Common Activation of IL-17 Pathway Genes but Different Regulatory Gene Sets. <i>Journal of Investigative Dermatology</i> , 2016, 136, 161-172.	0.3	51
24	Direct tensile behavior of shape-memory-alloy fiber-reinforced cement composites. <i>Construction and Building Materials</i> , 2016, 102, 462-470.	3.2	50
25	Mechanical Characterization of High-Performance Steel-Fiber Reinforced Cement Composites with Self-Healing Effect. <i>Materials</i> , 2014, 7, 508-526.	1.3	48
26	Direct tensile self-sensing and fracture energy of steel-fiber-reinforced concretes. <i>Composites Part B: Engineering</i> , 2020, 183, 107714.	5.9	48
27	Pullout resistance of straight NiTi shape memory alloy fibers in cement mortar after cold drawing and heat treatment. <i>Composites Part B: Engineering</i> , 2014, 67, 588-594.	5.9	47
28	Probiotic yoghurt functionalised with microalgae and Zedo gum: chemical, microbiological, rheological and sensory characteristics. <i>International Journal of Dairy Technology</i> , 2020, 73, 67-75.	1.3	40
29	Shear resistance of ultra-high-performance fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2017, 151, 246-257.	3.2	38
30	Strain Energy Frame Impact Machine (SEFIM). <i>Journal of Advanced Concrete Technology</i> , 2012, 10, 126-136.	0.8	36
31	Crack-closing of cement mortar beams using NiTi cold-drawn SMA short fibers. <i>Smart Materials and Structures</i> , 2015, 24, 015018.	1.8	33
32	Effects of steel slag aggregate size and content on piezoresistive responses of smart ultra-high-performance fiber-reinforced concretes. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111925.	2.0	33
33	Investigating the flexural resistance of fiber reinforced cementitious composites under biaxial condition. <i>Composite Structures</i> , 2015, 122, 198-208.	3.1	31
34	Prestressing effect of cold-drawn short NiTi SMA fibres in steel reinforced mortar beams. <i>Smart Materials and Structures</i> , 2016, 25, 085041.	1.8	28
35	Pullout resistance of deformed shape memory alloy fibers embedded in cement mortar. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 249-260.	1.4	28
36	Corrosion resistance of strain-hardening steel-fiber-reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 2015, 63, 17-29.	4.6	27

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37	Effect of matrix cracking on electrical resistivity of high performance fiber reinforced cementitious composites in tension. <i>Construction and Building Materials</i> , 2017, 156, 750-760.	3.2	26
38	Loading rate effect on crack velocity in ultra-high-performance fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2019, 197, 548-558.	3.2	26
39	Carotenoids supplementation and inflammation: a systematic review and meta-analysis of randomized clinical trials. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8161-8177.	5.4	26
40	Effect of sand grain size and sand-to-cement ratio on the interfacial bond strength of steel fibers embedded in mortars. <i>Construction and Building Materials</i> , 2013, 47, 1421-1430.	3.2	25
41	Behavior of double-edge-notched specimens made of high performance fiber reinforced cementitious composites subject to direct tensile loading with high strain rates. <i>Cement and Concrete Research</i> , 2014, 63, 54-66.	4.6	25
42	Effect of grain size on the mechanical properties and crack formation of HPRCC containing deformed steel fibers. <i>Cement and Concrete Research</i> , 2012, 42, 710-720.	4.6	24
43	Interfacial bond characteristics of steel fibers embedded in cementitious composites at high rates. <i>Cement and Concrete Research</i> , 2019, 123, 105802.	4.6	24
44	Effects of ageing and storage conditions on the interfacial bond strength of steel fibers in mortars. <i>Construction and Building Materials</i> , 2018, 170, 129-141.	3.2	23
45	Major dietary patterns in relation to menstrual pain: a nested case control study. <i>BMC Women's Health</i> , 2018, 18, 69.	0.8	23
46	Electrical properties of smart ultra-high performance concrete under various temperatures, humidities, and age of concrete. <i>Cement and Concrete Composites</i> , 2021, 118, 103979.	4.6	23
47	Seismic performance of circular RC columns retrofitted with prefabricated steel wrapping jackets. <i>Magazine of Concrete Research</i> , 2013, 65, 1429-1440.	0.9	21
48	Histological Stratification of Thick and Thin Plaque Psoriasis Explores Molecular Phenotypes with Clinical Implications. <i>PLoS ONE</i> , 2015, 10, e0132454.	1.1	21
49	Synergy in shear response of ultra-high-performance hybrid-fiber-reinforced concrete at high strain rates. <i>Composite Structures</i> , 2018, 195, 276-287.	3.1	21
50	Shear stress versus strain responses of ultra-high-performance fiber-reinforced concretes at high strain rates. <i>International Journal of Impact Engineering</i> , 2018, 111, 187-198.	2.4	21
51	Enhancing impact resistance of hybrid ultra-high-performance fiber-reinforced concretes through strategic use of polyamide fibers. <i>Construction and Building Materials</i> , 2021, 271, 121562.	3.2	21
52	Higher oxidative balance score is associated with better glycemic control among Iranian adults with type-2 diabetes. <i>International Journal for Vitamin and Nutrition Research</i> , 2021, 91, 31-39.	0.6	21
53	Effects of corrosion level and inhibitor on pullout behavior of deformed steel fiber embedded in high performance concrete. <i>Construction and Building Materials</i> , 2021, 280, 122449.	3.2	20
54	Fresh and hardened properties of steel fiber-reinforced grouts containing ground granulated blast-furnace slag. <i>Construction and Building Materials</i> , 2016, 122, 332-342.	3.2	19

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55	Direct tension-dependent flexural behavior of ultra-high-performance fiber-reinforced concretes. <i>Journal of Strain Analysis for Engineering Design</i> , 2017, 52, 121-134.	1.0	18
56	Effect of matrix shrinkage on rate sensitivity of the pullout response of smooth steel fibers in ultra-high-performance concrete. <i>Cement and Concrete Composites</i> , 2018, 94, 226-237.	4.6	18
57	Feasibility study on use of waste fishing nets as continuous reinforcements in cement-based matrix. <i>Construction and Building Materials</i> , 2021, 269, 121314.	3.2	18
58	Dynamic fracture toughness of ultra-high-performance fiber-reinforced concrete under impact tensile loading. <i>Structural Concrete</i> , 2021, 22, 1845-1860.	1.5	17
59	Testing of Cementitious Materials under High-Strain-Rate Tensile Loading Using Elastic Strain Energy. <i>Journal of Engineering Mechanics - ASCE</i> , 2011, 137, 268-275.	1.6	16
60	Direct tensile responses of aramid fiber reinforced cementitious composites and textile reinforced cementitious composites with 3D spacer fabric at high strain rates. <i>Construction and Building Materials</i> , 2018, 168, 232-243.	3.2	15
61	Enhancing Damage-Sensing Capacity of Strain-Hardening Macro-Steel Fiber-Reinforced Concrete by Adding Low Amount of Discrete Carbons. <i>Materials</i> , 2019, 12, 938.	1.3	15
62	High-rate tensile behavior of steel fiber-reinforced concrete for nuclear power plants. <i>Nuclear Engineering and Design</i> , 2014, 266, 43-54.	0.8	13
63	Effects of omega-3 fatty acid supplementation on cigarette craving and oxidative stress index in heavy-smoker males: A double-blind, randomized, placebo-controlled clinical trial. <i>Journal of Psychopharmacology</i> , 2018, 32, 995-1002.	2.0	13
64	Characterizing the electro-mechanical response of self-sensing steel-fiber-reinforced cementitious composites. <i>Construction and Building Materials</i> , 2020, 240, 117954.	3.2	13
65	A comprehensive mechanistic review insight into the effects of micronutrients on toll-like receptors functions. <i>Pharmacological Research</i> , 2020, 152, 104619.	3.1	13
66	Detecting crack and damage location in self-sensing fiber reinforced cementitious composites. <i>Construction and Building Materials</i> , 2020, 240, 117973.	3.2	13
67	Multimetric Event-Driven System for Long-Term Wireless Sensor Operation for SHM Applications. <i>IEEE Sensors Journal</i> , 2020, 20, 5350-5359.	2.4	13
68	Enhancing self-stress sensing ability of smart ultra-high performance concretes under compression by using nano functional fillers. <i>Journal of Building Engineering</i> , 2021, 44, 102717.	1.6	13
69	The association of FokI and Apal polymorphisms in vitamin D receptor gene with autoimmune thyroid diseases in the northwest of Iran. <i>Medical Journal of the Islamic Republic of Iran</i> , 2018, 32, 18-21.	0.9	13
70	Mechanical behavior of waste fishing net fiber-reinforced cementitious composites subjected to direct tension. <i>Journal of Building Engineering</i> , 2021, 33, 101622.	1.6	12
71	Pullout Behavior of Recycled Waste Fishing Net Fibers Embedded in Cement Mortar. <i>Materials</i> , 2020, 13, 4195.	1.3	11
72	Effects of a Short Heat Treatment Period on the Pullout Resistance of Shape Memory Alloy Fibers in Mortar. <i>Materials</i> , 2019, 12, 2278.	1.3	10

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73	Effects of cement particle distribution on the hydration process of cement paste in three-dimensional computer simulation. <i>Construction and Building Materials</i> , 2021, 311, 125322.	3.2	10
74	Improving the tensile resistance at high strain rates of high-performance fiber-reinforced cementitious composite with twisted fibers by modification of twist ratio. <i>Structures</i> , 2022, 39, 237-248.	1.7	10
75	Dynamic shear response of ultra-high-performance fiber-reinforced concretes under impact loading. <i>Structures</i> , 2022, 41, 724-736.	1.7	10
76	Assessing the Effect of Zinc Supplementation on the Frequency of Migraine Attack, Duration, Severity, Lipid Profile and hs-CRP in Adult Women. <i>Clinical Nutrition Research</i> , 2021, 10, 127.	0.5	9
77	Mutation analysis of the phenylalanine hydroxylase gene in Azerbaijani population, a report from West Azerbaijan province of Iran. <i>Iranian Journal of Basic Medical Sciences</i> , 2015, 18, 649-53.	1.0	9
78	Strain rate-dependent shear failure surfaces of ultra-high-performance fiber-reinforced concretes. <i>Construction and Building Materials</i> , 2018, 171, 901-912.	3.2	8
79	Tensile Behavior Characteristics of High-Performance Slurry-Infiltrated Fiber-Reinforced Cementitious Composite with Respect to Fiber Volume Fraction. <i>Materials</i> , 2019, 12, 3335.	1.3	8
80	Sensitivity of various fibre features on shear capacities of ultra-high-performance fibre-reinforced concrete. <i>Magazine of Concrete Research</i> , 2022, 74, 190-206.	0.9	8
81	Development of Low-Cost Wireless Sensing System for Smart Ultra-High Performance Concrete. <i>Sensors</i> , 2021, 21, 6386.	2.1	8
82	Development of a smart concrete block with an eccentric load sensing capacity. <i>Construction and Building Materials</i> , 2021, 306, 124881.	3.2	8
83	Electromechanical Response of High-Performance Fiber-Reinforced Cementitious Composites Containing Milled Glass Fibers under Tension. <i>Materials</i> , 2018, 11, 1115.	1.3	7
84	Multi-Channel Electrical Impedance-Based Crack Localization of Fiber-Reinforced Cementitious Composites under Bending Conditions. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2582.	1.3	7
85	Effects of abraded fine particle content on strength of quick-hardening concrete. <i>Cement and Concrete Composites</i> , 2019, 96, 225-237.	4.6	7
86	Electromechanical Response of Smart Ultra-High Performance Concrete under External Loads Corresponding to Different Electrical Measurements. <i>Sensors</i> , 2021, 21, 1281.	2.1	7
87	Loading rate effects on the properties of fiber-matrix zone surrounding steel fibers and cement based matrix. <i>Construction and Building Materials</i> , 2021, 283, 122694.	3.2	7
88	Effects of different grips and surface treatments of textile on measured direct tensile response of textile reinforced cementitious composites. <i>Composite Structures</i> , 2021, 278, 114689.	3.1	7
89	An Association Study between INSR/Nsil (rs2059806) and INSR/Pmll (rs1799817) SNPs in Women with Polycystic Ovary Syndrome from West Azerbaijan Province, Iran. <i>Journal of Reproduction and Infertility</i> , 2015, 16, 109-12.	1.0	7
90	Randomized controlled trial on the effects of legumes on cardiovascular risk factors in women with abdominal obesity. <i>ARYA Atherosclerosis</i> , 2015, 11, 117-25.	0.4	7

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91	Stiffness and Confinement Ratios of SMA Wire Jackets for Confining Concrete. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2727-2731.	1.2	6
92	Comparative Performance of Four Electrodes for Measuring the Electromechanical Response of Self-Damage Detecting Concrete under Tensile Load. <i>Sensors</i> , 2019, 19, 3645.	2.1	6
93	SSVM: An Ultra-Low-Power Strain Sensing and Visualization Module for Long-Term Structural Health Monitoring. <i>Sensors</i> , 2021, 21, 2211.	2.1	6
94	Bond Resistance of L-Shaped Shape Memory Alloy Fibers in Mortar. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11500-11504.	0.9	6
95	A randomized controlled trial comparing effects of a low-energy diet with n-3 polyunsaturated fatty acid supplementation in patients with non-alcoholic fatty liver disease. <i>Journal of Research in Medical Sciences</i> , 2019, 24, 21.	0.4	5
96	Detecting embedded rebar in cement mortar by frequency-difference electrical resistance tomography. <i>Automation in Construction</i> , 2021, 132, 103974.	4.8	4
97	Association Between PAH Mutations and VNTR Alleles in the West Azerbaijani PKU Patients. <i>MÃ dica</i> , 2014, 9, 242-7.	0.4	4
98	Adaptation and validity assessment of a diet quality index for patients with type 2 diabetes. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1027-1036.	0.8	3
99	Influence of the Aggregate Surface Conditions on the Strength of Quick-Converting Track Concrete. <i>Crystals</i> , 2020, 10, 543.	1.0	3
100	An Innovative Smart Concrete Anchorage with Self-Stress Sensing Capacity of Prestressing Stress of PS Tendon. <i>Sensors</i> , 2021, 21, 5251.	2.1	3
101	Evaluating the relationship between dietary intake with inflammatory factors, lipid profile and clinical symptoms in patients with rheumatoid arthritis. <i>Clinical Nutrition ESPEN</i> , 2020, 40, 138-143.	0.5	2
102	Experimental evaluation on the seismic performance of reinforced concrete bridge columns with high strength reinforcement. <i>Structure and Infrastructure Engineering</i> , 0, , 1-11.	2.0	2
103	Frequency of the VNTR-Polymorphisms at the PAH Gene in the Iranian Azeri Turkish Patients with Phenylketonuria. <i>MÃ dica</i> , 2015, 10, 310-314.	0.4	2
104	Dynamic increase factors for fiber-reinforced cement composites: A review. <i>Journal of Building Engineering</i> , 2022, 56, 104769.	1.6	2
105	Interfacial fracture toughness between aggregates and injected quick-hardening mortar. <i>Cement and Concrete Composites</i> , 2020, 106, 103485.	4.6	1
106	A new confinement scheme for reinforced concrete columns using stainless steel or glass fiber reinforced plastic. <i>Structural Concrete</i> , 2021, 22, 81-94.	1.5	1
107	Major dietary patterns in relation to age-related cataract. <i>Clinical Nutrition ESPEN</i> , 2021, 41, 325-330.	0.5	1
108	Effect of Psyllium Supplementation on Insulin Resistance and Lipid Profile in Non-diabetic Women With Polycystic Ovary Syndrome: A Randomized Placebo-Controlled Trial. <i>International Journal of Women's Health and Reproduction Sciences</i> , 2020, 8, 184-191.	0.2	1

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109	Effectiveness of Counselling on Diet Quality and Physical Activity with Cognitive Counselling for Overweight and Obese Women-A Randomized Clinical Trial. Cognition, Brain, Behavior an Interdisciplinary Journal, 2021, 25, 199-219.	0.4	0
110	Effect of Different Energy Frames on the Impact Velocity of Strain Energy Frame Impact Machine. Journal of the Korea Concrete Institute, 2015, 27, 363-375.	0.1	0
111	Molecular Genetic Analysis of the Variable Number of Tandem-Repeat Alleles at the Phenylalanine Hydroxylase Gene in Iranian Azeri Turkish Population. Iranian Biomedical Journal, 2015, 19, 183-7.	0.4	0