

Dong Joo Kim

List of Publications by Year in descending order

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111
papers

4,332
citations

147726

31
h-index

114418

63
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111
all docs

111
docs citations

111
times ranked

2439
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of various fibre features on shear capacities of ultra-high-performance fibre-reinforced concrete. Magazine of Concrete Research, 2022, 74, 190-206.	0.9	8
2	Carotenoids supplementation and inflammation: a systematic review and meta-analysis of randomized clinical trials. Critical Reviews in Food Science and Nutrition, 2022, 62, 8161-8177.	5.4	26
3	Improving the tensile resistance at high strain rates of high-performance fiber-reinforced cementitious composite with twisted fibers by modification of twist ratio. Structures, 2022, 39, 237-248.	1.7	10
4	Dynamic shear response of ultra-high-performance fiber-reinforced concretes under impact loading. Structures, 2022, 41, 724-736.	1.7	10
5	Dynamic increase factors for fiber-reinforced cement composites: A review. Journal of Building Engineering, 2022, 56, 104769.	1.6	2
6	A new confinement scheme for reinforced concrete columns using stainless steel or glass fiber reinforced plastic. Structural Concrete, 2021, 22, 81-94.	1.5	1
7	Mechanical behavior of waste fishing net fiber-reinforced cementitious composites subjected to direct tension. Journal of Building Engineering, 2021, 33, 101622.	1.6	12
8	Enhancing impact resistance of hybrid ultra-high-performance fiber-reinforced concretes through strategic use of polyamide fibers. Construction and Building Materials, 2021, 271, 121562.	3.2	21
9	Major dietary patterns in relation to age-related cataract. Clinical Nutrition ESPEN, 2021, 41, 325-330.	0.5	1
10	Feasibility study on use of waste fishing nets as continuous reinforcements in cement-based matrix. Construction and Building Materials, 2021, 269, 121314.	3.2	18
11	Assessing the Effect of Zinc Supplementation on the Frequency of Migraine Attack, Duration, Severity, Lipid Profile and hs-CRP in Adult Women. Clinical Nutrition Research, 2021, 10, 127.	0.5	9
12	Electromechanical Response of Smart Ultra-High Performance Concrete under External Loads Corresponding to Different Electrical Measurements. Sensors, 2021, 21, 1281.	2.1	7
13	Dynamic fracture toughness of ultra-high-performance fiber-reinforced concrete under impact tensile loading. Structural Concrete, 2021, 22, 1845-1860.	1.5	17
14	SSVM: An Ultra-Low-Power Strain Sensing and Visualization Module for Long-Term Structural Health Monitoring. Sensors, 2021, 21, 2211.	2.1	6
15	Electrical properties of smart ultra-high performance concrete under various temperatures, humidities, and age of concrete. Cement and Concrete Composites, 2021, 118, 103979.	4.6	23
16	Effects of corrosion level and inhibitor on pullout behavior of deformed steel fiber embedded in high performance concrete. Construction and Building Materials, 2021, 280, 122449.	3.2	20
17	Loading rate effects on the properties of fiber-matrix zone surrounding steel fibers and cement based matrix. Construction and Building Materials, 2021, 283, 122694.	3.2	7
18	An Innovative Smart Concrete Anchorage with Self-Stress Sensing Capacity of Prestressing Stress of PS Tendon. Sensors, 2021, 21, 5251.	2.1	3

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19	Development of Low-Cost Wireless Sensing System for Smart Ultra-High Performance Concrete. Sensors, 2021, 21, 6386.	2.1	8
20	Development of a smart concrete block with an eccentric load sensing capacity. Construction and Building Materials, 2021, 306, 124881.	3.2	8
21	Detecting embedded rebar in cement mortar by frequency-difference electrical resistance tomography. Automation in Construction, 2021, 132, 103974.	4.8	4
22	Enhancing self-stress sensing ability of smart ultra-high performance concretes under compression by using nano functional fillers. Journal of Building Engineering, 2021, 44, 102717.	1.6	13
23	Effects of different grips and surface treatments of textile on measured direct tensile response of textile reinforced cementitious composites. Composite Structures, 2021, 278, 114689.	3.1	7
24	Higher oxidative balance score is associated with better glycemic control among Iranian adults with type-2 diabetes. International Journal for Vitamin and Nutrition Research, 2021, 91, 31-39.	0.6	21
25	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
26	Effects of cement particle distribution on the hydration process of cement paste in three-dimensional computer simulation. Construction and Building Materials, 2021, 311, 125322.	3.2	10
27	Probiotic yoghurt functionalised with microalgae and Zedo gum: chemical, microbiological, rheological and sensory characteristics. International Journal of Dairy Technology, 2020, 73, 67-75.	1.3	40
28	Characterizing the electro-mechanical response of self-sensing steel-fiber-reinforced cementitious composites. Construction and Building Materials, 2020, 240, 117954.	3.2	13
29	Direct tensile self-sensing and fracture energy of steel-fiber-reinforced concretes. Composites Part B: Engineering, 2020, 183, 107714.	5.9	48
30	A comprehensive mechanistic review insight into the effects of micronutrients on toll-like receptors functions. Pharmacological Research, 2020, 152, 104619.	3.1	13
31	Detecting crack and damage location in self-sensing fiber reinforced cementitious composites. Construction and Building Materials, 2020, 240, 117973.	3.2	13
32	Interfacial fracture toughness between aggregates and injected quick-hardening mortar. Cement and Concrete Composites, 2020, 106, 103485.	4.6	1
33	Pullout Behavior of Recycled Waste Fishing Net Fibers Embedded in Cement Mortar. Materials, 2020, 13, 4195.	1.3	11
34	Evaluating the relationship between dietary intake with inflammatory factors, lipid profile and clinical symptoms in patients with rheumatoid arthritis. Clinical Nutrition ESPEN, 2020, 40, 138-143.	0.5	2
35	Adaptation and validity assessment of a diet quality index for patients with type 2 diabetes. Journal of Diabetes and Metabolic Disorders, 2020, 19, 1027-1036.	0.8	3
36	Influence of the Aggregate Surface Conditions on the Strength of Quick-Converting Track Concrete. Crystals, 2020, 10, 543.	1.0	3

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	Self-stress sensing smart concrete containing fine steel slag aggregates and steel fibers under high compressive stress. <i>Construction and Building Materials</i> , 2019, 220, 149-160.	3.2	72
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	Electro-mechanical self-sensing response of ultra-high-performance fiber-reinforced concrete in tension. <i>Composites Part B: Engineering</i> , 2018, 134, 254-264.	5.9	62

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55	Electromechanical Response of High-Performance Fiber-Reinforced Cementitious Composites Containing Milled Glass Fibers under Tension. <i>Materials</i> , 2018, 11, 1115.	1.3	7
56	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
57	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
58	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
59	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
60	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
61	Synergistic response of blending fibers in ultra-high-performance concrete under high rate tensile loads. <i>Cement and Concrete Composites</i> , 2017, 78, 132-145.	4.6	85
62	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
63	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
64	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
65	Shear resistance of ultra-high-performance fiber-reinforced concrete. <i>Construction and Building Materials</i> , 2017, 151, 246-257.	3.2	38
66	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
67	Investigating the impact resistance of ultra-high-performance fiber-reinforced concrete using an improved strain energy impact test machine. <i>Construction and Building Materials</i> , 2016, 125, 145-159.	3.2	83
68	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
69	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
70	Fracture energy of ultra-high-performance fiber-reinforced concrete at high strain rates. <i>Cement and Concrete Research</i> , 2016, 79, 169-184.	4.6	90
71	Direct tensile behavior of shape-memory-alloy fiber-reinforced cement composites. <i>Construction and Building Materials</i> , 2016, 102, 462-470.	3.2	50
72	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

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73	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
74	Histological Stratification of Thick and Thin Plaque Psoriasis Explores Molecular Phenotypes with Clinical Implications. <i>PLoS ONE</i> , 2015, 10, e0132454.	1.1	21
75	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
76	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
77	High rate response of ultra-high-performance fiber-reinforced concretes under direct tension. <i>Cement and Concrete Research</i> , 2015, 69, 72-87.	4.6	108
78	Cutaneous wound healing in aging small mammals: a systematic review. <i>Wound Repair and Regeneration</i> , 2015, 23, 318-339.	1.5	70
79	Corrosion resistance of strain-hardening steel-fiber-reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 2015, 63, 17-29.	4.6	27
80	Investigating the flexural resistance of fiber reinforced cementitious composites under biaxial condition. <i>Composite Structures</i> , 2015, 122, 198-208.	3.1	31
81	Comparative electromechanical damage-sensing behaviors of six strain-hardening steel fiber-reinforced cementitious composites under direct tension. <i>Composites Part B: Engineering</i> , 2015, 69, 159-168.	5.9	65
82	Effect of Different Energy Frames on the Impact Velocity of Strain Energy Frame Impact Machine. <i>Journal of the Korea Concrete Institute</i> , 2015, 27, 363-375.	0.1	0
83	An Association Study between INSR/Nil (rs2059806) and INSR/Pml (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
84	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
85	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
86	Molecular Genetic Analysis of the Variable Number of Tandem-Repeat Alleles at the Phenylalanine Hydroxylase Gene in Iranian Azeri Turkish Population. <i>Iranian Biomedical Journal</i> , 2015, 19, 183-7.	0.4	0
87	Frequency of the VNTR-Polymorphisms at the PAH Gene in the Iranian Azeri Turkish Patients with Phenylketonuria. <i>Mãica</i> , 2015, 10, 310-314.	0.4	2
88	Mechanical Characterization of High-Performance Steel-Fiber Reinforced Cement Composites with Self-Healing Effect. <i>Materials</i> , 2014, 7, 508-526.	1.3	48
89	Size and geometry dependent tensile behavior of ultra-high-performance fiber-reinforced concrete. <i>Composites Part B: Engineering</i> , 2014, 58, 279-292.	5.9	115
90	Effect of shrinkage reducing agent on pullout resistance of high-strength steel fibers embedded in ultra-high-performance concrete. <i>Cement and Concrete Composites</i> , 2014, 49, 59-69.	4.6	69

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91	High-rate tensile behavior of steel fiber-reinforced concrete for nuclear power plants. Nuclear Engineering and Design, 2014, 266, 43-54.	0.8	13
92	Pullout resistance of straight NiTi shape memory alloy fibers in cement mortar after cold drawing and heat treatment. Composites Part B: Engineering, 2014, 67, 588-594.	5.9	47
93	Stiffness and Confinement Ratios of SMA Wire Jackets for Confining Concrete. Journal of Materials Engineering and Performance, 2014, 23, 2727-2731.	1.2	6
94	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
95	Behavior of double-edge-notched specimens made of high performance fiber reinforced cementitious composites subject to direct tensile loading with high strain rates. Cement and Concrete Research, 2014, 63, 54-66.	4.6	25
96	Association Between PAH Mutations and VNTR Alleles in the West Azerbaijani PKU Patients. MÃ dica, 2014, 9, 242-7.	0.4	4
97	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
98	Seismic performance of circular RC columns retrofitted with prefabricated steel wrapping jackets. Magazine of Concrete Research, 2013, 65, 1429-1440.	0.9	21
99	Effect of sand grain size and sand-to-cement ratio on the interfacial bond strength of steel fibers embedded in mortars. Construction and Building Materials, 2013, 47, 1421-1430.	3.2	25
100	Size effect on flexural behavior of ultra-high-performance hybrid fiber-reinforced concrete. Composites Part B: Engineering, 2013, 45, 1104-1116.	5.9	148
101	Influence of sand to coarse aggregate ratio on the interfacial bond strength of steel fibers in concrete for nuclear power plant. Nuclear Engineering and Design, 2012, 252, 1-10.	0.8	54
102	Strain Energy Frame Impact Machine (SEFIM). Journal of Advanced Concrete Technology, 2012, 10, 126-136.	0.8	36
103	Tensile behavior of Ultra High Performance Hybrid Fiber Reinforced Concrete. Cement and Concrete Composites, 2012, 34, 172-184.	4.6	523
104	Effect of grain size on the mechanical properties and crack formation of HPFRCC containing deformed steel fibers. Cement and Concrete Research, 2012, 42, 710-720.	4.6	24
105	Strain-hardening UHP-FRC with low fiber contents. Materials and Structures/Materiaux Et Constructions, 2011, 44, 583-598.	1.3	349
106	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
107	Testing of Cementitious Materials under High-Strain-Rate Tensile Loading Using Elastic Strain Energy. Journal of Engineering Mechanics - ASCE, 2011, 137, 268-275.	1.6	16
108	Rate-dependent tensile behavior of high performance fiber reinforced cementitious composites. Materials and Structures/Materiaux Et Constructions, 2009, 42, 399-414.	1.3	113

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109	High Performance Fiber Reinforced Cement Composites with Innovative Slip Hardening Twisted Steel Fibers. International Journal of Concrete Structures and Materials, 2009, 3, 119-126.	1.4	55
110	Comparative flexural behavior of four fiber reinforced cementitious composites. Cement and Concrete Composites, 2008, 30, 917-928.	4.6	306
111	Experimental evaluation on the seismic performance of reinforced concrete bridge columns with high strength reinforcement. Structure and Infrastructure Engineering, 0, , 1-11.	2.0	2