Doo-Yeol Yoo

List of Publications by Citations

187 papers	5,302 citations	42 h-index	66 g-index
195 ext. papers	7,341 ext. citations	5.1 avg, IF	6.96 L-index

#	Paper	IF	Citations
187	Mechanical properties of ultra-high-performance fiber-reinforced concrete: A review. *Cement and Concrete Composites*, **2016**, 73, 267-280	8.6	302
186	Effect of fiber content on mechanical and fracture properties of ultra high performance fiber reinforced cementitious composites. *Composite Structures*, **2013**, 106, 742-753	5.3	200
185	Structural performance of ultra-high-performance concrete beams with different steel fibers. *Engineering Structures*, **2015**, 102, 409-423	4.7	185
184	Material and bond properties of ultra high performance fiber reinforced concrete with micro steel fibers. *Composites Part B: Engineering*, **2014**, 58, 122-133	10	177
183	Effect of fiber length and placement method on flexural behavior, tension-softening curve, and fiber distribution characteristics of UHPFRC. *Construction and Building Materials*, **2014**, 64, 67-81	6.7	158
182	Effects of fiber shape, aspect ratio, and volume fraction on flexural behavior of ultra-high-performance fiber-reinforced cement composites. *Composite Structures*, **2017**, 174, 375-388	5.3	139
181	A Review on Structural Behavior, Design, and Application of Ultra-High-Performance Fiber-Reinforced Concrete. *International Journal of Concrete Structures and Materials*, **2016**, 10, 125-142	2.8	126
180	Flexural response of steel-fiber-reinforced concrete beams: Effects of strength, fiber content, and strain-rate. *Cement and Concrete Composites*, **2015**, 64, 84-92	8.6	123
179	Response of ultra-high-performance fiber-reinforced concrete beams with continuous steel reinforcement subjected to low-velocity impact loading. *Composite Structures*, **2015**, 126, 233-245	5.3	112
178	Mechanical and structural behaviors of ultra-high-performance fiber-reinforced concrete subjected to impact and blast. *Construction and Building Materials*, **2017**, 149, 416-431	6.7	106
177	Flexural behavior of ultra-high-performance fiber-reinforced concrete beams reinforced with GFRP and steel rebars. *Engineering Structures*, **2016**, 111, 246-262	4.7	97
176	Electrical Properties of Cement-Based Composites with Carbon Nanotubes, Graphene, and Graphite Nanofibers. *Sensors*, **2017**, 17,	3.8	88
175	Effect of shrinkage reducing admixture on tensile and flexural behaviors of UHPFRC considering fiber distribution characteristics. *Cement and Concrete Research*, **2013**, 54, 180-190	10.3	86
174	Shrinkage and cracking of restrained ultra-high-performance fiber-reinforced concrete slabs at early age. *Construction and Building Materials*, **2014**, 73, 357-365	6.7	85
173	Effect of fiber orientation on the rate-dependent flexural behavior of ultra-high-performance fiber-reinforced concrete. *Composite Structures*, **2016**, 157, 62-70	5.3	84
172	Early age setting, shrinkage and tensile characteristics of ultra high performance fiber reinforced concrete. *Construction and Building Materials*, **2013**, 41, 427-438	6.7	82
171	Impact resistance of fiber-reinforced concrete A review. *Cement and Concrete Composites*, **2019**, 104, 103389	8.6	80

170	Fiber pullout behavior of HPFRCC: Effects of matrix strength and fiber type. *Composite Structures*, **2017**, 174, 263-276	5.3	78
169	Biaxial flexural behavior of ultra-high-performance fiber-reinforced concrete with different fiber lengths and placement methods. *Cement and Concrete Composites*, **2015**, 63, 51-66	8.6	75
168	Comparative flexural behavior of ultra-high-performance concrete reinforced with hybrid straight steel fibers. *Construction and Building Materials*, **2017**, 132, 219-229	6.7	70
167	Local bond-slip response of GFRP rebar in ultra-high-performance fiber-reinforced concrete. *Composite Structures*, **2015**, 120, 53-64	5.3	69
166	Predicting the post-cracking behavior of normal- and high-strength steel-fiber-reinforced concrete beams. *Construction and Building Materials*, **2015**, 93, 477-485	6.7	67
165	Size effect in ultra-high-performance concrete beams. *Engineering Fracture Mechanics*, **2016**, 157, 86-106	4.2	66
164	Enhancing the flexural performance of ultra-high-performance concrete using long steel fibers. *Composite Structures*, **2016**, 147, 220-230	5.3	65
163	Influence of reinforcing bar type on autogenous shrinkage stress and bond behavior of ultra high performance fiber reinforced concrete. *Cement and Concrete Composites*, **2014**, 48, 150-161	8.6	61
162	Effectiveness of shrinkage-reducing admixture in reducing autogenous shrinkage stress of ultra-high-performance fiber-reinforced concrete. *Cement and Concrete Composites*, **2015**, 64, 27-36	8.6	60
161	Experimental Investigation of the Piezoresistive Properties of Cement Composites with Hybrid Carbon Fibers and Nanotubes. *Sensors*, **2017**, 17,	3.8	60
160	Effects of fiber shape and distance on the pullout behavior of steel fibers embedded in ultra-high-performance concrete. *Cement and Concrete Composites*, **2019**, 103, 213-223	8.6	58
159	Hybrid effect of macro and micro steel fibers on the pullout and tensile behaviors of ultra-high-performance concrete. *Composites Part B: Engineering*, **2019**, 162, 344-360	10	57
158	An experimental study on pullout and tensile behavior of ultra-high-performance concrete reinforced with various steel fibers. *Construction and Building Materials*, **2019**, 206, 46-61	6.7	56
157	Size effect in normal- and high-strength amorphous metallic and steel fiber reinforced concrete beams. *Construction and Building Materials*, **2016**, 121, 676-685	6.7	55
156	Comparative shrinkage behavior of ultra-high-performance fiber-reinforced concrete under ambient and heat curing conditions. *Construction and Building Materials*, **2018**, 162, 406-419	6.7	52
155	Electrical and Self-Sensing Properties of Ultra-High-Performance Fiber-Reinforced Concrete with Carbon Nanotubes. *Sensors*, **2017**, 17,	3.8	52
154	Comparative pullout behavior of half-hooked and commercial steel fibers embedded in UHPC under static and impact loads. *Cement and Concrete Composites*, **2019**, 97, 89-106	8.6	52
153	Development of cost effective ultra-high-performance fiber-reinforced concrete using single and hybrid steel fibers. *Construction and Building Materials*, **2017**, 150, 383-394	6.7	50

152	Self-sensing capability of ultra-high-performance concrete containing steel fibers and carbon nanotubes under tension. *Sensors and Actuators A: Physical*, **2018**, 276, 125-136	3.9	47
151	Electrical and piezoresistive sensing capacities of cement paste with multi-walled carbon nanotubes. *Archives of Civil and Mechanical Engineering*, **2018**, 18, 371-384	3.4	45
150	Influence of ring size on the restrained shrinkage behavior of ultra high performance fiber reinforced concrete. *Materials and Structures/Materiaux Et Constructions*, **2014**, 47, 1161-1174	3.4	44
149	Drying shrinkage cracking characteristics of ultra-high-performance fibre reinforced concrete with expansive and shrinkage reducing agents. *Magazine of Concrete Research*, **2013**, 65, 248-256	2	44
148	Predicting the flexural behavior of ultra-high-performance fiber-reinforced concrete. *Cement and Concrete Composites*, **2016**, 74, 71-87	8.6	44
147	Machine learning-based prediction for compressive and flexural strengths of steel fiber-reinforced concrete. *Construction and Building Materials*, **2021**, 266, 121117	6.7	43
146	High energy absorbent ultra-high-performance concrete with hybrid steel and polyethylene fibers. *Construction and Building Materials*, **2019**, 209, 354-363	6.7	42
145	Hybrid effects of steel fiber and carbon nanotube on self-sensing capability of ultra-high-performance concrete. *Construction and Building Materials*, **2018**, 185, 530-544	6.7	42
144	Nonlinear finite element analysis of ultra-high-performance fiber-reinforced concrete beams. *International Journal of Damage Mechanics*, **2017**, 26, 735-757	3	40
143	Structural response of steel-fiber-reinforced concrete beams under various loading rates. *Engineering Structures*, **2018**, 156, 271-283	4.7	39
142	Effect of fiber geometric property on rate dependent flexural behavior of ultra-high-performance cementitious composite. *Cement and Concrete Composites*, **2018**, 86, 57-71	8.6	38
141	Feasibility of replacing minimum shear reinforcement with steel fibers for sustainable high-strength concrete beams. *Engineering Structures*, **2017**, 147, 207-222	4.7	37
140	Electrical and piezoresistive properties of cement composites with carbon nanomaterials. *Journal of Composite Materials*, **2018**, 52, 3325-3340	2.7	37
139	Impact Resistance of Reinforced Ultra-High-Performance Concrete Beams with Different Steel Fibers. *ACI Structural Journal*, **2017**, 114,	1.7	37
138	Effects of carbon nanomaterial type and amount on self-sensing capacity of cement paste. *Measurement: Journal of the International Measurement Confederation*, **2019**, 134, 750-761	4.6	37
137	Enhancing mechanical properties of asphalt concrete using synthetic fibers. *Construction and Building Materials*, **2018**, 178, 233-243	6.7	37
136	Predicting service deflection of ultra-high-performance fiber-reinforced concrete beams reinforced with GFRP bars. *Composites Part B: Engineering*, **2016**, 99, 381-397	10	33
135	Experimental and numerical study on flexural behavior of ultra-high-performance fiber-reinforced concrete beams with low reinforcement ratios. *Canadian Journal of Civil Engineering*, **2017**, 44, 18-28	1.3	33

134	Effect of steel fibers on the flexural behavior of RC beams with very low reinforcement ratios. *Construction and Building Materials*, **2018**, 188, 237-254	6.7	32
133	Effects of fiber geometry and cryogenic condition on mechanical properties of ultra-high-performance fiber-reinforced concrete. *Cement and Concrete Research*, **2018**, 107, 30-40	10.3	31
132	Achieving slip-hardening behavior of sanded straight steel fibers in ultra-high-performance concrete. *Cement and Concrete Composites*, **2020**, 113, 103669	8.6	29
131	Effects of stirrup, steel fiber, and beam size on shear behavior of high-strength concrete beams. *Cement and Concrete Composites*, **2018**, 87, 137-148	8.6	29
130	Enhancing cracking resistance of ultra-high-performance concrete slabs using steel fibres. *Magazine of Concrete Research*, **2015**, 67, 487-495	2	28
129	Corrosion effect on tensile behavior of ultra-high-performance concrete reinforced with straight steel fibers. *Cement and Concrete Composites*, **2020**, 109, 103566	8.6	27
128	Effect of shrinkage-reducing admixture on biaxial flexural behavior of ultra-high-performance fiber-reinforced concrete. *Construction and Building Materials*, **2015**, 89, 67-75	6.7	27
127	Benefits of using expansive and shrinkage-reducing agents in UHPC for volume stability. *Magazine of Concrete Research*, **2014**, 66, 745-750	2	27
126	Benefits of synthetic fibers on the residual mechanical performance of UHPFRC after exposure to ISO standard fire. *Cement and Concrete Composites*, **2019**, 104, 103401	8.6	25
125	Effects of amorphous metallic fibers on the properties of asphalt concrete. *Construction and Building Materials*, **2016**, 128, 176-184	6.7	25
124	Mechanical Properties of Steam Cured High-Strength Steel Fiber-Reinforced Concrete with High-Volume Blast Furnace Slag. *International Journal of Concrete Structures and Materials*, **2017**, 11, 391-401	2.8	24
123	Self-healing capability of ultra-high-performance fiber-reinforced concrete after exposure to cryogenic temperature. *Cement and Concrete Composites*, **2019**, 104, 103335	8.6	23
122	Effects of rust layer and corrosion degree on the pullout behavior of steel fibers from ultra-high-performance concrete. *Journal of Materials Research and Technology*, **2020**, 9, 3632-3648	5.5	23
121	Combined effect of expansive and shrinkage-reducing admixtures on the properties of ultra high performance fiber-reinforced concrete. *Journal of Composite Materials*, **2014**, 48, 1981-1991	2.7	23
120	Three-dimensional hologram printing by single beam femtosecond laser direct writing. *Applied Surface Science*, **2018**, 427, 396-400	6.7	23
119	Dynamic pullout behavior of half-hooked and twisted steel fibers in ultra-high-performance concrete containing expansive agents. *Composites Part B: Engineering*, **2019**, 167, 517-532	10	22
118	Benefits of using amorphous metallic fibers in concrete pavement for long-term performance. *Archives of Civil and Mechanical Engineering*, **2017**, 17, 750-760	3.4	21
117	Influence of steel fibers and fiber-reinforced polymers on the impact resistance of one-way concrete slabs. *Journal of Composite Materials*, **2014**, 48, 695-706	2.7	21

116	Assessment of steel fiber corrosion in self-healed ultra-high-performance fiber-reinforced concrete and its effect on tensile performance. *Cement and Concrete Research*, **2020**, 133, 106091	10.3	20
115	Self-healing capability of asphalt concrete with carbon-based materials. *Journal of Materials Research and Technology*, **2019**, 8, 827-839	5.5	20
114	Size-dependent impact resistance of ultra-high-performance fiber-reinforced concrete beams. *Construction and Building Materials*, **2017**, 142, 363-375	6.7	19
113	Effect of calcium sulfoaluminate-based expansive agent on rate dependent pullout behavior of straight steel fiber embedded in UHPC. *Cement and Concrete Research*, **2019**, 122, 196-211	10.3	19
112	Bond performance of steel rebar embedded in 80□180 MPa ultra-high-strength concrete. *Cement and Concrete Composites*, **2018**, 93, 206-217	8.6	18
111	Performance of shotcrete containing amorphous fibers for tunnel applications. *Tunnelling and Underground Space Technology*, **2017**, 64, 85-94	5.7	17
110	Chelate effect on fiber surface morphology and its benefits on pullout and tensile behaviors of ultra-high-performance concrete. *Cement and Concrete Composites*, **2021**, 115, 103864	8.6	17
109	Mechanical properties of ultra-high-performance fiber-reinforced concrete at cryogenic temperatures. *Construction and Building Materials*, **2017**, 157, 498-508	6.7	16
108	Effects of geometry and hybrid ratio of steel and polyethylene fibers on the mechanical performance of ultra-high-performance fiber-reinforced cementitious composites. *Journal of Materials Research and Technology*, **2019**, 8, 1835-1848	5.5	16
107	Effects of Hooked-End Steel Fiber Geometry and Volume Fraction on the Flexural Behavior of Concrete Pedestrian Decks. *Applied Sciences (Switzerland)*, **2019**, 9, 1241	2.6	15
106	Bond-slip response of novel half-hooked steel fibers in ultra-high-performance concrete. *Construction and Building Materials*, **2019**, 224, 743-761	6.7	15
105	Feasibility of Reducing the Fiber Content in Ultra-High-Performance Fiber-Reinforced Concrete under Flexure. *Materials*, **2017**, 10,	3.5	15
104	Enhanced tensile ductility and sustainability of high-strength strain-hardening cementitious composites using waste cement kiln dust and oxidized polyethylene fibers. *Cement and Concrete Composites*, **2021**, 120, 104030	8.6	15
103	Wireless cement-based sensor for self-monitoring of railway concrete infrastructures. *Automation in Construction*, **2020**, 119, 103323	9.6	14
102	Effect of cryogenic temperature on the flexural and cracking behaviors of ultra-high-performance fiber-reinforced concrete. *Cryogenics*, **2018**, 93, 75-85	1.8	14
101	Deposition of nanosilica particles on fiber surface for improving interfacial bond and tensile performances of ultra-high-performance fiber-reinforced concrete. *Composites Part B: Engineering*, **2021**, 221, 109030	10	14
100	Mitigating shrinkage cracking in posttensioning grout using shrinkage-reducing admixture. *Cement and Concrete Composites*, **2017**, 81, 97-108	8.6	13
99	Effects of mix proportion and curing condition on shrinkage behavior of HPFRCCs with silica fume and blast furnace slag. *Construction and Building Materials*, **2018**, 166, 241-256	6.7	13

98	Geometrical and boundary condition effects on restrained shrinkage behavior of UHPFRC slabs. *KSCE Journal of Civil Engineering*, **2018**, 22, 185-195	1.9	13
97	Influence of embedment length on the pullout behavior of steel fibers from ultra-high-performance concrete. *Materials Letters*, **2020**, 276, 128233	3.3	12
96	Bond performance of abraded arch-type steel fibers in ultra-high-performance concrete. *Cement and Concrete Composites*, **2020**, 109, 103538	8.6	12
95	Mechanical behaviour of concrete with amorphous metallic and steel fibres. *Magazine of Concrete Research*, **2016**, 68, 1253-1264	2	12
94	Comparative low-velocity impact response of textile-reinforced concrete and steel-fiber-reinforced concrete beams. *Journal of Composite Materials*, **2016**, 50, 2421-2431	2.7	12
93	Optimized mix design for 180 MPa ultra-high-strength concrete. *Journal of Materials Research and Technology*, **2019**, 8, 4182-4197	5.5	12
92	Thermal storage properties of lightweight concrete incorporating phase change materials with different fusion points in hybrid form for high temperature applications. *Heliyon*, **2020**, 6, e04863	3.6	12
91	Ultrasonic Monitoring of Setting and Strength Development of Ultra-High-Performance Concrete. *Materials*, **2016**, 9,	3.5	12
90	Hybrid Effect of Twisted Steel and Polyethylene Fibers on the Tensile Performance of Ultra-High-Performance Cementitious Composites. *Polymers*, **2018**, 10,	4.5	12
89	Enhancing the tensile performance of ultra-high-performance concrete through novel curvilinear steel fibers. *Journal of Materials Research and Technology*, **2020**, 9, 7570-7582	5.5	11
88	Enhancing the tensile performance of ultra-high-performance concrete through strategic use of novel half-hooked steel fibers. *Journal of Materials Research and Technology*, **2020**, 9, 2914-2925	5.5	11
87	Numerical simulation on structural behavior of UHPFRC beams with steel and GFRP bars. *Computers and Concrete*, **2015**, 16, 759-774		11
86	Formation of a plano-convex micro-lens array in fused silica glass by using a CO2 laser-assisted reshaping technique. *Journal of the Korean Physical Society*, **2016**, 69, 335-343	0.6	10
85	Surface modification of steel fibers using chemical solutions and their pullout behaviors from ultra-high-performance concrete. *Journal of Building Engineering*, **2020**, 32, 101709	5.2	10
84	Effects of waste liquidrystal display glass powder and fiber geometry on the mechanical properties of ultra-high-performance concrete. *Construction and Building Materials*, **2021**, 266, 120938	6.7	10
83	Effect of fiber spacing on dynamic pullout behavior of multiple straight steel fibers in ultra-high-performance concrete. *Construction and Building Materials*, **2019**, 210, 461-472	6.7	9
82	Experimental and numerical analysis of the flexural response of amorphous metallic fiber reinforced concrete. *Materials and Structures/Materiaux Et Constructions*, **2017**, 50, 1	3.4	9
81	Bond behavior of GFRP and steel bars in ultra-high-performance fiber-reinforced concrete. *Advanced Composite Materials*, **2017**, 26, 493-510	2.8	9

80	Characteristics of Early-Age Restrained Shrinkage and Tensile Creep of Ultra-High Performance Cementitious Composites (UHPCC). *Journal of the Korea Concrete Institute*, **2011**, 23, 581-590	0.8	9
79	Electromagnetic interference shielding of multi-cracked high-performance fiber-reinforced cement composites Effects of matrix strength and carbon fiber. *Construction and Building Materials*, **2020**, 261, 119949	6.7	9
78	Shear Capacity Contribution of Steel Fiber Reinforced High-Strength Concrete Compared with and without Stirrup. *International Journal of Concrete Structures and Materials*, **2020**, 14,	2.8	8
77	Autogenous shrinkage of concrete with design strength 60120 N/mm2. *Magazine of Concrete Research*, **2011**, 63, 751-761	2	8
76	Influence of steel fibers corroded through multiple microcracks on the tensile behavior of ultra-high-performance concrete. *Construction and Building Materials*, **2020**, 259, 120428	6.7	8
75	Effects of Supplementary Cementitious Materials and Curing Condition on Mechanical Properties of Ultra-High-Performance, Strain-Hardening Cementitious Composites. *Applied Sciences (Switzerland)*, **2021**, 11, 2394	2.6	8
74	Liquid crystal display glass powder as a filler for enhancing steel fiber pullout resistance in ultra-high-performance concrete. *Journal of Building Engineering*, **2021**, 33, 101846	5.2	8
73	Development of impact resistant high-strength strain-hardening cementitious composites (HS-SHCC) superior to reactive powder concrete (RPC) under flexure. *Journal of Building Engineering*, **2021**, 44, 102652	5.2	8
72	Ultraprecision Machining-based Micro-Hybrid lens design for micro scanning devices. *International Journal of Precision Engineering and Manufacturing*, **2015**, 16, 639-646	1.7	7
71	Spacing and bundling effects on rate-dependent pullout behavior of various steel fibers embedded in ultra-high-performance concrete. *Archives of Civil and Mechanical Engineering*, **2020**, 20, 1	3.4	7
70	Bond Behavior of Pretensioned Strand Embedded in Ultra-High-Performance Fiber-Reinforced Concrete. *International Journal of Concrete Structures and Materials*, **2018**, 12,	2.8	7
69	Mitigating early-age cracking in thin UHPFRC precast concrete products using shrinkage-reducing admixtures. *PCI Journal*, **2016**, 61, 39-50	2.1	7
68	Enhancing the rate dependent fiber/matrix interfacial resistance of ultra-high-performance cement composites through surface abrasion. *Journal of Materials Research and Technology*, **2020**, 9, 9813-9823	5.5	7
67	Highly ductile ultra-rapid-hardening mortar containing oxidized polyethylene fibers. *Construction and Building Materials*, **2021**, 277, 122317	6.7	7
66	Benefits of curvilinear straight steel fibers on the rate-dependent pullout resistance of ultra-high-performance concrete. *Cement and Concrete Composites*, **2021**, 118, 103965	8.6	7
65	Effect of graphene oxide on single fiber pullout behavior. *Construction and Building Materials*, **2021**, 280, 122539	6.7	7
64	Implication of calcium sulfoaluminate-based expansive agent on tensile behavior of ultra-high-performance fiber-reinforced concrete. *Construction and Building Materials*, **2019**, 217, 679-693	6.7	6
63	High-Performance Photocatalytic Cementitious Materials Containing Synthetic Fibers and Shrinkage-Reducing Admixture. *Materials*, **2020**, 13,	3.5	6

62	Mechanical Properties of Corrosion-Free and Sustainable Amorphous Metallic Fiber Reinforced Concrete. *ACI Materials Journal*, **2016**, 113,	0.9	6
61	Comparative Biaxial Flexural Behavior of Ultra-High-Performance Fiber-Reinforced Concrete Panels Using Two Different Test and Placement Methods. *Journal of Testing and Evaluation*, **2017**, 45, 20150275	1	6
60	Cryogenic pullout behavior of steel fibers from ultra-high-performance concrete under impact loading. *Construction and Building Materials*, **2020**, 239, 117852	6.7	6
59	Bayesian Regularized Artificial Neural Network Model to Predict Strength Characteristics of Fly-Ash and Bottom-Ash Based Geopolymer Concrete. *Materials*, **2021**, 14,	3.5	6
58	Flexural and shear behaviour of high-strength SFRC beams without stirrups. *Magazine of Concrete Research*, **2019**, 71, 503-518	2	6
57	Improvement of fiber corrosion resistance of ultra-high-performance concrete by means of crack width control and repair. *Cement and Concrete Composites*, **2021**, 121, 104073	8.6	6
56	Flexural and cracking behaviors of reinforced UHPC beams with various reinforcement ratios and fiber contents. *Engineering Structures*, **2021**, 248, 113266	4.7	6
55	Residual performance of HPFRCC exposed to fire Effects of matrix strength, synthetic fiber, and fire duration. *Construction and Building Materials*, **2020**, 241, 118038	6.7	5
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53	Strengthening effects of sprayed fiber reinforced polymers on concrete. *Polymer Composites*, **2015**, 36, 722-730	3	5
52	Effect of cover depth and rebar diameter on shrinkage behavior of ultra-high-performance fiber-reinforced concrete slabs. *Structural Engineering and Mechanics*, **2017**, 61, 711-719		5
51	Ultra-High-Performance Fiber-Reinforced Concrete: Shrinkage Strain Development at Early Ages and Potential for Cracking. *Journal of Testing and Evaluation*, **2017**, 45, 20160114	1	5
50	Evaluation of Shrinkage Cracking Characteristics and Degree of Restraint for Ultra-High-Strength Concrete. *Journal of the Korea Concrete Institute*, **2010**, 22, 641-650	0.8	5
49	Effects of blast furnace slag and steel fiber on the impact resistance of railway prestressed concrete sleepers. *Cement and Concrete Composites*, **2019**, 99, 151-164	8.6	4
48	Cracking Behavior of Posttensioning Grout with Various Strand-to-Duct Area Ratios. *Journal of Materials in Civil Engineering*, **2015**, 27, 04014197	3	4
47	Steel fiber reinforced concrete panels subjected to impact projectiles with different caliber sizes and muzzle energies. *Case Studies in Construction Materials*, **2020**, 13, e00360	2.7	4
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45	High performance strain-hardening cementitious composites with tensile strain capacity exceeding 4%: A review. *Cement and Concrete Composites*, **2021**, 104325	8.6	4

44	Cementitious material reinforced by carbon nanotube-Nylon 66 hybrid nanofibers: Mechanical strength and microstructure analysis. *Materials Today Communications*, **2020**, 23, 100845	2.5	4
43	Influence of chemically treated carbon fibers on the electromagnetic shielding of ultra-high-performance fiber-reinforced concrete. *Archives of Civil and Mechanical Engineering*, **2020** , 20, 1	3.4	4
42	Benefits of TiO2 photocatalyst on mechanical properties and nitrogen oxide removal of ultra-high-performance concrete. *Construction and Building Materials*, **2021**, 285, 122921	6.7	4
41	Transfer length in full-scale pretensioned concrete beams with 1.4 m and 2.4 m section depths. *Engineering Structures*, **2018**, 171, 433-444	4.7	4
40	Benefits of chemically treated steel fibers on enhancing the interfacial bond strength from ultra-high-performance concrete. *Construction and Building Materials*, **2021**, 294, 123519	6.7	4
39	Analysis on enhanced pullout resistance of steel fibers in ultra-high performance concrete under cryogenic condition. *Construction and Building Materials*, **2020**, 251, 118953	6.7	3
38	Enhancing fiber–matrix interfacial bond in ultra-high-performance concrete containing titanium dioxide. *Materials Letters*, **2020**, 280, 128547	3.3	3
37	Improvement of Mechanical and Durability Behaviors of Textile Concrete: Effect of Polymineral Composite Binders and Superabsorbent Polymers. *Journal of Materials in Civil Engineering*, **2020**, 32, 04020315	3	3
36	Performance of glass-blended cement produced by intergrinding and separate grinding methods. *Cement and Concrete Composites*, **2021**, 118, 103937	8.6	3
35	Influence of curing conditions on the mechanical performance of ultra-high-performance strain-hardening cementitious composites. *Archives of Civil and Mechanical Engineering*, **2021**, 21, 1	3.4	3
34	Developing strain-hardening ultra-rapid-hardening mortar containing high-volume supplementary cementitious materials and polyethylene fibers. *Journal of Materials Research and Technology*, **2021** , 13, 1934-1945	5.5	3
33	Tensile properties of cracked reactive powder concrete in corrosive environment - effects of crack width and exposure duration. *Construction and Building Materials*, **2021**, 272, 121635	6.7	3
32	Polymer-Based Construction Materials for Civil Engineering. *International Journal of Polymer Science*, **2019**, 2019, 1-2	2.4	2
31	Enhancing the resistance of prestressed concrete sleepers to multiple impacts using steel fibers. *Construction and Building Materials*, **2018**, 166, 356-372	6.7	2
30	Fiber-Reinforced Cement Composites: Mechanical Properties and Structural Implications. *Advances in Materials Science and Engineering*, **2018**, 2018, 1-2	1.5	2
29	Dynamic Pullout Behavior of Multiple Steel Fibers in UHPC: Effects of Fiber Geometry, Inclination Angle, and Loading Rate. *Materials*, **2019**, 12,	3.5	2
28	Autogenous shrinkage of ultra high performance concrete considering early age coefficient of thermal expansion. *Structural Engineering and Mechanics*, **2014**, 49, 763-773		2
27	Self-sensing capacity of ultra-high-performance fiber-reinforced concrete containing conductive powders in tension. *Cement and Concrete Composites*, **2021**, 104331	8.6	2

26	Corrosion of partially and fully debonded steel fibers from ultra-high-performance concrete and its influence on pullout resistance. *Cement and Concrete Composites*, **2021**, 124, 104269	8.6	2
25	Effects of nano-SiO2 coating and induced corrosion of steel fiber on the interfacial bond and tensile properties of ultra-high-performance concrete (UHPC). *Journal of Building Engineering*, **2022** , 104637	5.2	2
24	Mechanical and Dynamic Behavior of an Elastic Rubber Layer with Recycled Styrene-Butadiene Rubber Granules. *Polymers*, **2020**, 12,	4.5	1
23	Advanced Cementitious Materials: Mechanical Behavior, Durability, and Volume Stability. *Advances in Materials Science and Engineering*, **2017**, 2017, 1-2	1.5	1
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21	Fiber Orientation Effect on Flexural Response of UHPFRC. *MATEC Web of Conferences*, **2017**, 138, 03007	0.3	1
20	Fiber-Reinforced Cement Composites: Mechanical Properties and Structural Implications 2019. *Advances in Materials Science and Engineering*, **2019**, 2019, 1-2	1.5	1
19	Enhancement of Energy Absorption Capacity of Polyethylene Fiber-Reinforced Cementitious Composites According to Admixtures and Curing Conditions. *Korean Society of Hazard Mitigation*, **2020**, 20, 319-325	0.2	1
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