

Jian-Guo Dai

List of Publications by Year in descending order

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190
papers

9,770
citations

31902

53
h-index

45213

90
g-index

193
all docs

193
docs citations

193
times ranked

4356
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of the Nonlinear Bond Stress-Slip Model of Fiber Reinforced Plastics Sheet-Concrete Interfaces with a Simple Method. <i>Journal of Composites for Construction</i> , 2005, 9, 52-62.	1.7	516
2	Development of ultra-high performance engineered cementitious composites using polyethylene (PE) fibers. <i>Construction and Building Materials</i> , 2018, 158, 217-227.	3.2	370
3	Behavior and Modeling of Concrete Confined with FRP Composites of Large Deformability. <i>Journal of Composites for Construction</i> , 2011, 15, 963-973.	1.7	287
4	Influence of silane-based water repellent on the durability properties of recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2013, 35, 32-38.	4.6	273
5	Mechanical properties of alkali-activated concrete: A state-of-the-art review. <i>Construction and Building Materials</i> , 2016, 127, 68-79.	3.2	265
6	Water repellent surface impregnation for extension of service life of reinforced concrete structures in marine environments: The role of cracks. <i>Cement and Concrete Composites</i> , 2010, 32, 101-109.	4.6	201
7	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling. <i>Advanced Materials</i> , 2020, 32, e1906751.	11.1	196
8	Effects of nano-TiO ₂ on strength, shrinkage and microstructure of alkali activated slag pastes. <i>Cement and Concrete Composites</i> , 2015, 57, 1-7.	4.6	184
9	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , 2018, 351, 418-427.	6.6	174
10	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , 2018, 190, 90-96.	4.2	158
11	Bond-Slip Model for FRP Laminates Externally Bonded to Concrete at Elevated Temperature. <i>Journal of Composites for Construction</i> , 2013, 17, 217-228.	1.7	148
12	Unified Analytical Approaches for Determining Shear Bond Characteristics of FRP-Concrete Interfaces through Pullout Tests. <i>Journal of Advanced Concrete Technology</i> , 2006, 4, 133-145.	0.8	143
13	Seawater sea-sand engineered/strain-hardening cementitious composites (ECC/SHCC): Assessment and modeling of crack characteristics. <i>Cement and Concrete Research</i> , 2021, 140, 106292.	4.6	135
14	Flexural strengthening of RC beams with CFRP grid-reinforced ECC matrix. <i>Composite Structures</i> , 2018, 189, 9-26.	3.1	126
15	Silico-Aluminophosphate and Alkali-Aluminosilicate Geopolymers: A Comparative Review. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	125
16	Finite element modeling of reinforced concrete beams exposed to fire. <i>Engineering Structures</i> , 2013, 52, 488-501.	2.6	124
17	Tensile behavior and microstructure of hybrid fiber ambient cured one-part engineered geopolymer composites. <i>Construction and Building Materials</i> , 2018, 184, 419-431.	3.2	124
18	Inhibiting efflorescence formation on fly ash-based geopolymer via silane surface modification. <i>Cement and Concrete Composites</i> , 2018, 94, 43-52.	4.6	122

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19	Alternation of traditional cement mortars using fly ash-based geopolymer mortars modified by slag. <i>Journal of Cleaner Production</i> , 2018, 203, 746-756.	4.6	115
20	Characteristics of concrete cracks and their influence on chloride penetration. <i>Construction and Building Materials</i> , 2016, 107, 216-225.	3.2	111
21	Cyclic Compressive Behavior of Concrete Confined with Large Rupture Strain FRP Composites. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	109
22	Interface bond between FRP sheets and concrete substrates: properties, numerical modeling and roles in member behaviour. <i>Structural Control and Health Monitoring</i> , 2005, 7, 27-43.	0.7	107
23	The effectiveness of different superplasticizers in ambient cured one-part alkali activated pastes. <i>Cement and Concrete Composites</i> , 2019, 97, 166-174.	4.6	104
24	Deformation capacity of RC piers wrapped by new fiber-reinforced polymer with large fracture strain. <i>Cement and Concrete Composites</i> , 2006, 28, 914-927.	4.6	103
25	Seismic retrofit of square RC columns with polyethylene terephthalate (PET) fibre reinforced polymer composites. <i>Construction and Building Materials</i> , 2012, 27, 206-217.	3.2	100
26	Effect of Temperature Variation on the Full-Range Behavior of FRP-to-Concrete Bonded Joints. <i>Journal of Composites for Construction</i> , 2012, 16, 671-683.	1.7	98
27	Stiffness-based design-oriented compressive stress-strain model for large-rupture-strain (LRS) FRP-confined concrete. <i>Composite Structures</i> , 2019, 223, 110953.	3.1	97
28	Experimental Investigation of the Influence of Moisture on the Bond Behavior of FRP to Concrete Interfaces. <i>Journal of Composites for Construction</i> , 2010, 14, 834-844.	1.7	91
29	High-strength high-ductility Engineered/Strain-Hardening Cementitious Composites (ECC/SHCC) incorporating geopolymer fine aggregates. <i>Cement and Concrete Composites</i> , 2022, 125, 104296.	4.6	91
30	Phosphate-based geopolymer: Formation mechanism and thermal stability. <i>Materials Letters</i> , 2017, 190, 209-212.	1.3	90
31	Seawater sea-sand Engineered Cementitious Composites (SS-ECC) for marine and coastal applications. <i>Composites Communications</i> , 2020, 20, 100353.	3.3	90
32	Direct Tensile Properties and Stress-Strain Model of UHP-ECC. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	89
33	High-strength seawater sea-sand Engineered Cementitious Composites (SS-ECC): Mechanical performance and probabilistic modeling. <i>Cement and Concrete Composites</i> , 2020, 114, 103740.	4.6	85
34	Stabilisation/solidification of municipal solid waste incineration fly ash by phosphate-enhanced calcium aluminate cement. <i>Journal of Hazardous Materials</i> , 2021, 408, 124404.	6.5	85
35	Buckling of steel reinforcing bars in FRP-confined RC columns: An experimental study. <i>Construction and Building Materials</i> , 2017, 140, 403-415.	3.2	81
36	Fracture properties of alkali-activated slag and ordinary Portland cement concrete and mortar. <i>Construction and Building Materials</i> , 2018, 165, 310-320.	3.2	81

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37	Shear strengthening of RC beams with FRP grid-reinforced ECC matrix. <i>Composite Structures</i> , 2020, 241, 112120.	3.1	80
38	Ultra-high-strength engineered/strain-hardening cementitious composites (ECC/SHCC): Material design and effect of fiber hybridization. <i>Cement and Concrete Composites</i> , 2022, 129, 104464.	4.6	80
39	Rate-dependent tensile properties of ultra-high performance engineered cementitious composites (UHP-ECC). <i>Cement and Concrete Composites</i> , 2018, 93, 218-234.	4.6	79
40	Upcycling wood waste into fibre-reinforced magnesium phosphate cement particleboards. <i>Construction and Building Materials</i> , 2018, 159, 54-63.	3.2	77
41	Influence of coal fly ash on the early performance enhancement and formation mechanisms of silico-aluminophosphate geopolymer. <i>Cement and Concrete Research</i> , 2020, 127, 105932.	4.6	76
42	Shear strength model for RC beam-column joints under seismic loading. <i>Engineering Structures</i> , 2012, 40, 350-360.	2.6	74
43	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , 2017, 168, 452-462.	4.6	74
44	Engineered/strain-hardening cementitious composites (ECC/SHCC) with an ultra-high compressive strength over 210MPa. <i>Composites Communications</i> , 2021, 26, 100775.	3.3	73
45	Mechanical Properties of Engineered Cementitious Composites Subjected to Elevated Temperatures. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	70
46	Analysis of Mode II debonding behavior of fiber-reinforced polymer-to-substrate bonded joints subjected to combined thermal and mechanical loading. <i>Engineering Fracture Mechanics</i> , 2015, 136, 241-264.	2.0	68
47	Strain-hardening Ultra-High-Performance Geopolymer Concrete (UHPGC): Matrix design and effect of steel fibers. <i>Composites Communications</i> , 2022, 30, 101081.	3.3	67
48	Influences of corrosion degree and corrosion morphology on the ductility of steel reinforcement. <i>Construction and Building Materials</i> , 2017, 148, 297-306.	3.2	65
49	The bond between geopolymer repair mortars and OPC concrete substrate: Strength and microscopic interactions. <i>Cement and Concrete Composites</i> , 2021, 119, 103991.	4.6	65
50	Prestress Losses and Flexural Behavior of Reinforced Concrete Beams Strengthened with Posttensioned CFRP Sheets. <i>Journal of Composites for Construction</i> , 2012, 16, 207-216.	1.7	64
51	Strain transfer analysis of fiber Bragg grating sensor assembled composite structures subjected to thermal loading. <i>Composites Part B: Engineering</i> , 2019, 162, 303-313.	5.9	61
52	Role of soluble aluminum species in the activating solution for synthesis of silico-aluminophosphate geopolymers. <i>Cement and Concrete Composites</i> , 2018, 93, 186-195.	4.6	58
53	Influence of calcium ion in concrete pore solution on the passivation of galvanized steel bars. <i>Cement and Concrete Research</i> , 2018, 108, 46-58.	4.6	56
54	Repair of fire-damaged RC slabs with basalt fabric-reinforced shotcrete. <i>Construction and Building Materials</i> , 2018, 185, 79-92.	3.2	56

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55	X-ray computed tomography for pore-related characterization and simulation of cement mortar matrix. <i>NDT and E International</i> , 2017, 86, 28-35.	1.7	54
56	Effect of superplasticizers on properties of one-part Ca(OH) ₂ /Na ₂ SO ₄ activated geopolymer pastes. <i>Construction and Building Materials</i> , 2020, 241, 117990.	3.2	53
57	Cyclic stress-strain model incorporating buckling effect for steel reinforcing bars embedded in FRP-confined concrete. <i>Composite Structures</i> , 2017, 182, 54-66.	3.1	52
58	Experimental Study on Shear Behavior of Reinforced-Concrete Members Fully Wrapped with Large Rupture-Strain FRP Composites. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	51
59	Artificial alkali-activated aggregates developed from wastes and by-products: A state-of-the-art review. <i>Resources, Conservation and Recycling</i> , 2022, 177, 105971.	5.3	51
60	Time-Dependent and Stress-Dependent Chloride Diffusivity of Concrete Subjected to Sustained Compressive Loading. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	50
61	Recent developments in Engineered/Strain-Hardening Cementitious Composites (ECC/SHCC) with high and ultra-high strength. <i>Construction and Building Materials</i> , 2022, 342, 127956.	3.2	50
62	A systematic investigation of the waterproofing performance and chloride resistance of a self-developed waterborne silane-based hydrophobic agent for mortar and concrete. <i>Construction and Building Materials</i> , 2017, 155, 939-946.	3.2	49
63	Effect of fiber content on mechanical performance and cracking characteristics of ultra-high-performance seawater sea-sand concrete (UHP-SSC). <i>Advances in Structural Engineering</i> , 2021, 24, 1182-1195.	1.2	49
64	Development of artificial one-part geopolymer lightweight aggregates by crushing technique. <i>Journal of Cleaner Production</i> , 2021, 315, 128200.	4.6	49
65	Probabilistic Approach for Durability Design of Concrete Structures in Marine Environments. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	48
66	Finite Element Modeling of Insulated FRP-Strengthened RC Beams Exposed to Fire. <i>Journal of Composites for Construction</i> , 2015, 19, .	1.7	47
67	CO ₂ curing and fibre reinforcement for green recycling of contaminated wood into high-performance cement-bonded particleboards. <i>Journal of CO₂ Utilization</i> , 2017, 18, 107-116.	3.3	47
68	Development of engineered cementitious composites (ECC) using artificial fine aggregates. <i>Construction and Building Materials</i> , 2021, 305, 124742.	3.2	47
69	Experimental study on full-volume fly ash geopolymer mortars: Sintered fly ash versus sand as fine aggregates. <i>Journal of Cleaner Production</i> , 2020, 263, 121445.	4.6	46
70	Flexural Performance of UHPC-Concrete-ECC Composite Member Reinforced with Perforated Steel Plates. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	46
71	Prediction of the bond strength between non-uniformly corroded steel reinforcement and deteriorated concrete. <i>Construction and Building Materials</i> , 2018, 187, 1267-1276.	3.2	45
72	A novel Zn(ⁱⁱ) dithiocarbamate/ZnS nanocomposite for highly efficient Cr ⁶⁺ removal from aqueous solutions. <i>RSC Advances</i> , 2017, 7, 35075-35085.	1.7	44

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73	Influence of chloride ion on depassivation of passive film on galvanized steel bars in concrete pore solution. <i>Construction and Building Materials</i> , 2018, 166, 572-580.	3.2	44
74	Geopolymer as an additive of warm mix asphalt: Preparation and properties. <i>Journal of Cleaner Production</i> , 2018, 192, 906-915.	4.6	44
75	Quasi-static and dynamic tensile properties of large-rupture-strain (LRS) polyethylene terephthalate fiber bundle. <i>Construction and Building Materials</i> , 2020, 232, 117241.	3.2	44
76	Comparative Study of Different Cement-Based Inorganic Pastes towards the Development of FRIP Strengthening Technology. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	42
77	Analytical solution for the full-range pull-out behavior of FRP ground anchors. <i>Construction and Building Materials</i> , 2014, 58, 129-137.	3.2	41
78	Reduce VOCs and PM emissions of warm-mix asphalt using geopolymer additives. <i>Construction and Building Materials</i> , 2020, 244, 118338.	3.2	41
79	Recent advances in molecular dynamics simulation of the N-A-S-H geopolymer system: modeling, structural analysis, and dynamics. <i>Construction and Building Materials</i> , 2021, 276, 122196.	3.2	41
80	Flexural strengthening of reinforced concrete beams using geopolymer-bonded small-diameter CFRP bars. <i>Engineering Structures</i> , 2022, 256, 113992.	2.6	41
81	Three-dimensional meso-scale finite element modeling of bonded joints between a near-surface mounted FRP strip and concrete. <i>Computers and Structures</i> , 2013, 117, 105-117.	2.4	39
82	Effect of mixing method on the performance of alkali-activated fly ash/slag pastes along with polycarboxylate admixture. <i>Cement and Concrete Composites</i> , 2021, 117, 103917.	4.6	39
83	LOCAL BOND STRESS SLIP RELATIONS FOR FRP SHEETS-CONCRETE INTERFACES. , 2003, , .		39
84	A stochastic damage model for evaluating the internal deterioration of concrete due to freeze-thaw action. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1025-1039.	1.3	38
85	Monotonic Stress-Strain Behavior of Steel Rebars Embedded in FRP-Confined Concrete Including Buckling. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	38
86	Use of water hyacinth waste to produce fibre-reinforced polymer composites for concrete confinement: Mechanical performance and environmental assessment. <i>Journal of Cleaner Production</i> , 2021, 292, 126041.	4.6	38
87	Performance Evaluation of RC Beams Strengthened with an Externally Bonded FRP System under Simulated Vehicle Loads. <i>Journal of Bridge Engineering</i> , 2013, 18, 76-82.	1.4	37
88	Fire resistance design of un-protected FRP-strengthened RC beams. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 5357-5371.	1.3	36
89	Fire resistance of RC beams under design fire exposure. <i>Magazine of Concrete Research</i> , 2017, 69, 402-423.	0.9	36
90	Experimental study of concrete-filled CHS stub columns with inner FRP tubes. <i>Thin-Walled Structures</i> , 2018, 122, 606-621.	2.7	36

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91	Improved temperature compensation of fiber Bragg grating-based sensors applied to structures under different loading conditions. <i>Optical Fiber Technology</i> , 2021, 63, 102506.	1.4	36
92	Fatigue Behavior of Reinforced Concrete Beams Strengthened with Externally Bonded Prestressed CFRP Sheets. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	34
93	Superhydrophobic self-cleaning solar reflective orange-gray paint coating. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 292-299.	3.0	34
94	Strengthening concrete using phosphate cement-based fiber-reinforced inorganic composites for improved fire resistance. <i>Construction and Building Materials</i> , 2019, 212, 755-764.	3.2	34
95	Flexural performance of precast geopolymer concrete sandwich panel enabled by FRP connector. <i>Composite Structures</i> , 2020, 248, 112563.	3.1	34
96	Enhancing long-term tensile performance of Engineered Cementitious Composites (ECC) using sustainable artificial geopolymer aggregates. <i>Cement and Concrete Composites</i> , 2022, 133, 104676.	4.6	34
97	Simple Method for Predicting Temperatures in Insulated, FRP-Strengthened RC Members Exposed to a Standard Fire. <i>Journal of Composites for Construction</i> , 2015, 19, .	1.7	33
98	Bonding Characteristics of Fiber-Reinforced Polymer Sheet-Concrete Interfaces under Dowel Load. <i>Journal of Composites for Construction</i> , 2007, 11, 138-148.	1.7	32
99	Direct shear tests of glass fiber reinforced polymer connectors for use in precast concrete sandwich panels. <i>Composite Structures</i> , 2019, 207, 136-147.	3.1	32
100	Tailoring strain-hardening behavior of high-strength Engineered Cementitious Composites (ECC) using hybrid silica sand and artificial geopolymer aggregates. <i>Materials and Design</i> , 2022, 220, 110876.	3.3	32
101	Study on an Improved Phosphate Cement Binder for the Development of Fiber-Reinforced Inorganic Polymer Composites. <i>Polymers</i> , 2014, 6, 2819-2831.	2.0	31
102	Interfacial debonding detection of strengthened steel structures by using smart CFRP-FBG composites. <i>Smart Materials and Structures</i> , 2019, 28, 115001.	1.8	31
103	Seismic retrofit of exterior RC beam-column joints with bonded CFRP reinforcement: An experimental study. <i>Composite Structures</i> , 2019, 224, 111018.	3.1	31
104	Improvement of early-age properties of silico-aluminophosphate geopolymer using dead burnt magnesia. <i>Construction and Building Materials</i> , 2019, 217, 1-11.	3.2	31
105	Roles of hybrid activators in improving the early-age properties of one-part geopolymer pastes. <i>Construction and Building Materials</i> , 2021, 306, 124880.	3.2	31
106	Use of magnesia sand for optimal design of high performance magnesium potassium phosphate cement mortar. <i>Construction and Building Materials</i> , 2017, 153, 385-392.	3.2	30
107	Understanding geopolymer binder-aggregate interfacial characteristics at molecular level. <i>Cement and Concrete Research</i> , 2021, 149, 106582.	4.6	30
108	Flexural behavior and microstructure of hybrid basalt textile and steel fiber reinforced alkali-activated slag panels exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2017, 152, 651-660.	3.2	29

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109	Three-Level Fire Resistance Design of FRP-Strengthened RC Beams. <i>Journal of Composites for Construction</i> , 2018, 22, .	1.7	29
110	Effect of sand content on bond performance of engineered geopolymer composites (EGC) repair material. <i>Construction and Building Materials</i> , 2022, 328, 127080.	3.2	29
111	Polyphosphate-modified calcium aluminate cement under normal and elevated temperatures: Phase evolution, microstructure, and mechanical properties. <i>Ceramics International</i> , 2017, 43, 15525-15536.	2.3	28
112	Prediction of the nonlinear pull-out response of FRP ground anchors using an analytical transfer matrix method. <i>Engineering Structures</i> , 2014, 81, 377-385.	2.6	26
113	Intermediate crack-induced debonding in RC beams externally strengthened with prestressed FRP laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1842-1857.	1.6	25
114	Development and behavior of novel FRP-UHPC tubular members. <i>Engineering Structures</i> , 2022, 266, 114540.	2.6	25
115	Enhanced passivation of galvanized steel bars in nano-silica modified cement mortars. <i>Cement and Concrete Composites</i> , 2020, 111, 103626.	4.6	24
116	Prediction of prestress losses in RC beams externally strengthened with prestressed CFRP sheets/plates. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 699-713.	1.6	22
117	Simple Method for Predicting Temperatures in Reinforced Concrete Beams Exposed to a Standard Fire. <i>Advances in Structural Engineering</i> , 2014, 17, 573-589.	1.2	22
118	Evolutionary artificial intelligence approach for performance prediction of bio-composites. <i>Construction and Building Materials</i> , 2021, 290, 123254.	3.2	22
119	Development of extended Druckerâ€“Prager model for non-uniform FRP-confined concrete based on triaxial tests. <i>Construction and Building Materials</i> , 2019, 224, 1-18.	3.2	21
120	Recent Advances in Strain-Hardening UHPC with Synthetic Fibers. <i>Journal of Composites Science</i> , 2021, 5, 283.	1.4	21
121	Long-Term Behavior of Prestressed Old-New Concrete Composite Beams. <i>Journal of Bridge Engineering</i> , 2011, 16, 275-285.	1.4	20
122	Modeling of Tension Stiffening Behavior in FRPâ€“Strengthened RC Members Based on Rigid Body Spring Networks. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012, 27, 406-418.	6.3	20
123	Finite Element Modeling for Debonding of FRP-to-Concrete Interfaces Subjected to Mixed-Mode Loading. <i>Polymers</i> , 2017, 9, 438.	2.0	20
124	Study of a super-non-wetting self-cleaning solar reflective blue-grey paint coating with luminescence. <i>Solar Energy Materials and Solar Cells</i> , 2018, 176, 69-80.	3.0	20
125	Full-range behavior of FRP-to-concrete bonded joints subjected to combined effects of loading and temperature variation. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107928.	2.0	20
126	Geopolymer coating modified with reduced graphene oxide for improving steel corrosion resistance. <i>Construction and Building Materials</i> , 2022, 342, 127942.	3.2	20

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127	Properties of additively manufactured geopolymers incorporating mineral wollastonite microfibers. <i>Construction and Building Materials</i> , 2022, 331, 127282.	3.2	18
128	Dynamic Behavior of PET FRP and Its Preliminary Application in Impact Strengthening of Concrete Columns. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4987.	1.3	17
129	Polymer coating with gradient-dispersed dielectric nanoparticles for enhanced daytime radiative cooling. <i>EcoMat</i> , 2022, 4, .	6.8	17
130	The bond behaviour of CFRP-to-concrete bonded joints under fatigue cyclic loading: An experimental study. <i>Construction and Building Materials</i> , 2021, 273, 121674.	3.2	16
131	In-situ X-ray microcomputed tomography monitoring of steel corrosion in engineered cementitious composite (ECC). <i>Construction and Building Materials</i> , 2020, 262, 120844.	3.2	15
132	Structural behavior of FRP grid reinforced geopolymer concrete sandwich wall panels subjected to concentric axial loading. <i>Composite Structures</i> , 2021, 270, 114117.	3.1	15
133	Effects of temperature variation on intermediate crack-induced debonding and stress intensity factor in FRP-retrofitted cracked steel beams: An analytical study. <i>Composite Structures</i> , 2022, 279, 114776.	3.1	15
134	Upcycling of air pollution control residue waste into cementitious product through geopolymerization technology. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106231.	5.3	15
135	Atomistic insights into the debonding of Epoxy-Concrete interface with water presence. <i>Engineering Fracture Mechanics</i> , 2022, 271, 108668.	2.0	15
136	Self-Stressed Steel Fiber Reinforced Concrete as Negative Moment Connection for Strengthening of Multi-Span Simply-Supported Girder Bridges. <i>Advances in Structural Engineering</i> , 2013, 16, 1113-1127.	1.2	14
137	Multi-angle truss model for predicting the shear deformation of RC beams with low span-effective depth ratios. <i>Engineering Structures</i> , 2015, 91, 85-95.	2.6	14
138	Effect of Rubber Toughening Modification on the Tensile Behavior of FRP Composites in Concrete-Based Alkaline Environment. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	14
139	Residual bond strengths of epoxy and cement-bonded CFRP reinforcements to concrete interfaces after elevated temperature exposure. <i>Fire Safety Journal</i> , 2021, 124, 103393.	1.4	14
140	Effects of delayed addition of polycarboxylate ether on one-part alkali-activated fly ash/slag pastes: Adsorption, reaction kinetics, and rheology. <i>Construction and Building Materials</i> , 2022, 323, 126611.	3.2	14
141	A novel microporous amorphous-ZnO@TiO ₂ /graphene ternary nanocomposite with enhanced photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 36787-36792.	1.7	13
142	A novel implicit coupled hydro-mechanical SPFEM approach for modelling of delayed failure of cut slope in soft sensitive clay. <i>Computers and Geotechnics</i> , 2021, 140, 104474.	2.3	13
143	Novel FRP micro-bar reinforced UHPC permanent formwork for circular columns: Concept and compressive behavior. <i>Composite Structures</i> , 2022, 285, 115268.	3.1	13
144	Evaluation of base damage and stability of concrete gravity dam subjected to underwater explosion. <i>Structures</i> , 2022, 38, 1502-1514.	1.7	13

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145	Fracture Criterion for Carbon Fiber Reinforced Polymer Sheet to Concrete Interface Subjected to Coupled Pull-Out and Push-Off Actions. <i>Advances in Structural Engineering</i> , 2009, 12, 663-682.	1.2	12
146	A Hybrid Bonding System for Improving the Structural Performance of FRP Flexurally Strengthened Concrete Beams. <i>Advances in Structural Engineering</i> , 2009, 12, 821-832.	1.2	12
147	Meso-scale modeling of chloride diffusivity in mortar subjected to corrosion-induced cracking. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021, 36, 602-619.	6.3	12
148	Simplified plasticity damage model for large rupture strain (LRS) FRP-confined concrete. <i>Composite Structures</i> , 2022, 280, 114916.	3.1	12
149	Structural behavior of FRP connector enabled precast geopolymer concrete sandwich panels subjected to one-side fire exposure. <i>Fire Safety Journal</i> , 2022, 128, 103524.	1.4	12
150	Fracture Analysis of FRP-Plated Notched Concrete Beams Subjected to Three-Point Bending. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	1.6	11
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