Togay Ozbakkaloglu

List of Publications by Citations

213 papers	8,490 citations	53 h-index	86 g-index
222 ext. papers	10,936 ext. citations	4.2 avg, IF	7.46 L-index

#	Paper	IF	Citations
213	FRP-confined concrete in circular sections: Review and assessment of stress–strain models. *Engineering Structures*, **2013**, 49, 1068-1088	4.7	372
212	Mechanical and durability properties of high-strength concrete containing steel and polypropylene fibers. *Construction and Building Materials*, **2015**, 94, 73-82	6.7	335
211	Use of recycled plastics in concrete: A critical review. *Waste Management*, **2016**, 51, 19-42	8.6	290
210	Axial compressive behavior of FRP-confined concrete: Experimental test database and a new design-oriented model. *Composites Part B: Engineering*, **2013**, 55, 607-634	10	237
209	High-performance fiber-reinforced concrete: a review. *Journal of Materials Science*, **2016**, 51, 6517-6551	4.3	231
208	Behavior of FRP-Confined Normal- and High-Strength Concrete under Cyclic Axial Compression. *Journal of Composites for Construction*, **2012**, 16, 451-463	3.3	203
207	A review of natural fiber composites: properties, modification and processing techniques, characterization, applications. *Journal of Materials Science*, **2020**, 55, 829-892	4.3	203
206	Influence of concrete strength and confinement method on axial compressive behavior of FRP confined high- and ultra high-strength concrete. *Composites Part B: Engineering*, **2013**, 50, 413-428	10	178
205	Compressive behavior of concrete-filled FRP tube columns: Assessment of critical column parameters. *Engineering Structures*, **2013**, 51, 188-199	4.7	167
204	Behavior of low-calcium fly and bottom ash-based geopolymer concrete cured at ambient temperature. *Ceramics International*, **2015**, 41, 5945-5958	5.1	144
203	Influence of fiber orientation and specimen end condition on axial compressive behavior of FRP-confined concrete. *Construction and Building Materials*, **2013**, 47, 814-826	6.7	144
202	Confinement Model for FRP-Confined High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013058	3.3	138
201	New formulations for mechanical properties of recycled aggregate concrete using gene expression programming. *Construction and Building Materials*, **2017**, 130, 122-145	6.7	137
200	Seismic Behavior of High-Strength Concrete Columns Confined by Fiber-Reinforced Polymer Tubes. *Journal of Composites for Construction*, **2006**, 10, 538-549	3.3	130
199	Stress–strain model for normal- and light-weight concretes under uniaxial and triaxial compression. *Construction and Building Materials*, **2014**, 71, 492-509	6.7	124
198	Influence of double hooked-end steel fibers and slag on mechanical and durability properties of high performance recycled aggregate concrete. *Composite Structures*, **2017**, 181, 273-284	5.3	123
197	Axial Compressive Behavior of Square and Rectangular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2013**, 17, 151-161	3.3	122

196	Axial Compressive Behavior of Circular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2014**, 18, 04013037	3.3	114
195	Behavior of square and rectangular ultra high-strength concrete-filled FRP tubes under axial compression. *Composites Part B: Engineering*, **2013**, 54, 97-111	10	110
194	Concrete-Filled Square and Rectangular FRP Tubes under Axial Compression. *Journal of Composites for Construction*, **2008**, 12, 469-477	3.3	107
193	From Graphene Oxide to Reduced Graphene Oxide: Impact on the Physiochemical and Mechanical Properties of Graphene-Cement Composites. *ACS Applied Materials & Interfaces*, **2017**, 9, 43275-43286	9.5	106
192	Performance of sustainable concretes containing very high volume Class-F fly ash and ground granulated blast furnace slag. *Journal of Cleaner Production*, **2017**, 162, 1407-1417	10.3	100
191	Seismic Performance of Square High-Strength Concrete Columns in FRP Stay-in-Place Formwork. *Journal of Structural Engineering*, **2007**, 133, 44-56	3	99
190	Behavior of steel fiber-reinforced high-strength concrete-filled FRP tube columns under axial compression. *Engineering Structures*, **2015**, 90, 158-171	4.7	96
189	Mechanical and Durability Properties of Recycled Aggregate Concrete: Effect of Recycled Aggregate Properties and Content. *Journal of Materials in Civil Engineering*, **2018**, 30, 04017275	3	95
188	Lateral Strain-to-Axial Strain Relationship of Confined Concrete. *Journal of Structural Engineering*, **2015**, 141, 04014141	3	93
187	Hoop strains in FRP-confined concrete columns: experimental observations. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 2839-2854	3.4	92
186	Seismic Behavior of FRP-High-Strength Concrete-Steel Double-Skin Tubular Columns. *Journal of Structural Engineering*, **2014**, 140, 04014019	3	91
185	Seismic Behavior of High-Strength Concrete-Filled FRP Tube Columns. *Journal of Composites for Construction*, **2013**, 17, 04013013	3.3	91
184	Behavior of recycled aggregate concrete-filled basalt and carbon FRP tubes. *Construction and Building Materials*, **2016**, 105, 132-143	6.7	86
183	Toward the Development of Sustainable Concretes with Recycled Concrete Aggregates: Comprehensive Review of Studies on Mechanical Properties. *Journal of Materials in Civil Engineering* , **2018**, 30, 04018211	3	85
182	Design model for FRP-confined normal- and high-strength concrete square and rectangular columns. *Magazine of Concrete Research*, **2014**, 66, 1020-1035	2	80
181	Time-dependent and long-term mechanical properties of concretes incorporating different grades of coarse recycled concrete aggregates. *Engineering Structures*, **2018**, 157, 224-234	4.7	79
180	Axial Compressive Behavior of FRP-Concrete-Steel Double-Skin Tubular Columns Made of Normal- and High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013027	3.3	79
179	Compressive behavior of aramid FRP-HSC-steel double-skin tubular columns. *Construction and Building Materials*, **2013**, 48, 554-565	6.7	77

178	Fly ash-based eco-friendly geopolymer concrete: A critical review of the long-term durability properties. *Construction and Building Materials*, **2021**, 270, 121857	6.7	76
177	Synthetic fibers for cementitious composites: A critical and in-depth review of recent advances. *Construction and Building Materials*, **2019**, 207, 491-518	6.7	73
176	Tensile Behavior of FRP Anchors in Concrete. *Journal of Composites for Construction*, **2009**, 13, 82-92	3.3	69
175	Manufacture and testing of a novel FRP tube confinement system. *Engineering Structures*, **2008**, 30, 2448-2459	4.7	69
174	Recycling of bottom ash and fly ash wastes in eco-friendly clay brick production. *Journal of Cleaner Production*, **2019**, 233, 753-764	10.3	68
173	Unified Stress-Strain Model for FRP and Actively Confined Normal-Strength and High-Strength Concrete. *Journal of Composites for Construction*, **2015**, 19, 04014072	3.3	67
172	Predicting behavior of FRP-confined concrete using neuro fuzzy, neural network, multivariate adaptive regression splines and M5 model tree techniques. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 4319-4334	3.4	67
171	Flexural behavior of FRP-HSC-steel composite beams. *Thin-Walled Structures*, **2014**, 80, 207-216	4.7	66
170	Evaluation of peak and residual conditions of actively confined concrete using neuro-fuzzy and neural computing techniques. *Neural Computing and Applications*, **2018**, 29, 873-888	4.8	65
169	Influence of silica fume on stress–strain behavior of FRP-confined HSC. *Construction and Building Materials*, **2014**, 63, 11-24	6.7	65
168	Geopolymer concrete-filled FRP tubes: Behavior of circular and square columns under axial compression. *Composites Part B: Engineering*, **2016**, 96, 215-230	10	63
167	Investigation of the Influence of the Application Path of Confining Pressure: Tests on Actively Confined and FRP-Confined Concretes. *Journal of Structural Engineering*, **2015**, 141, 04014203	3	61
166	Concrete-Filled FRP Tubes: Manufacture and Testing of New Forms Designed for Improved Performance. *Journal of Composites for Construction*, **2013**, 17, 280-291	3.3	59
165	Ambient-cured geopolymer mortars prepared with waste-based sands: Mechanical and durability-related properties and microstructure. *Composites Part B: Engineering*, **2019**, 160, 519-534	10	59
164	Optimum rice husk ash content and bacterial concentration in self-compacting concrete. *Construction and Building Materials*, **2019**, 222, 796-813	6.7	57
163	FRP–HSC–steel composite columns: behavior under monotonic and cyclic axial compression. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 1075-1093	3.4	54
162	Compressive Behavior of Prestressed High-Strength Concrete-Filled Aramid FRP Tube Columns: Experimental Observations. *Journal of Composites for Construction*, **2015**, 19, 04015003	3.3	54
161	Optimizing the mixture design of polymer concrete: An experimental investigation. *Construction and Building Materials*, **2018**, 167, 185-196	6.7	53

160	Evaluation of ultimate conditions of FRP-confined concrete columns using genetic programming. *Computers and Structures*, **2016**, 162, 28-37	4.5	52
159	Fly ash and ground granulated blast furnace slag-based alkali-activated concrete: Mechanical, transport and microstructural properties. *Construction and Building Materials*, **2020**, 257, 119548	6.7	49
158	Fibre-Reinforced Foamed Concretes: A Review. *Materials*, **2020**, 13,	3.5	49
157	Effects of nano-TiO2, nano-Al2O3, and nano-Fe2O3 on rheology, mechanical and durability properties of self-consolidating concrete (SCC): An experimental study. *Construction and Building Materials*, **2020**, 245, 118444	6.7	48
156	Effect of SnO 2 , ZrO 2 , and CaCO 3 nanoparticles on water transport and durability properties of self-compacting mortar containing fly ash: Experimental observations and ANFIS predictions. *Construction and Building Materials*, **2018**, 158, 823-834	6.7	48
155	Behavior of square fiber reinforced polymer–high-strength concrete–steel double-skin tubular columns under combined axial compression and reversed-cyclic lateral loading. *Engineering Structures*, **2016**, 118, 307-319	4.7	48
154	A critical assessment of the compressive behavior of reinforced recycled aggregate concrete columns. *Engineering Structures*, **2018**, 161, 161-175	4.7	47
153	A novel FRP–dual-grade concrete–steel composite column system. *Thin-Walled Structures*, **2015**, 96, 295-306	4.7	45
152	Simplified design-oriented axial stress-strain model for FRP-confined normal- and high-strength concrete. *Engineering Structures*, **2018**, 175, 501-516	4.7	45
151	Square FRP–HSC–steel composite columns: Behavior under axial compression. *Engineering Structures*, **2015**, 92, 156-171	4.7	44
150	Damage-Plasticity Model for FRP-Confined Normal-Strength and High-Strength Concrete. *Journal of Composites for Construction*, **2016**, 20, 04016053	3.3	44
149	Evaluation of mechanical properties of concretes containing coarse recycled concrete aggregates using multivariate adaptive regression splines (MARS), M5 model tree (M5Tree), and least squares support vector regression (LSSVR) models. *Neural Computing and Applications*, **2020**, 32, 295-308	4.8	43
148	Behavior of rubberized concrete under active confinement. *Construction and Building Materials*, **2017**, 138, 372-382	6.7	41
147	Influence of shrinkage on compressive behavior of concrete-filled FRP tubes: An experimental study on interface gap effect. *Construction and Building Materials*, **2015**, 75, 144-156	6.7	40
146	Cyclic stress-strain model incorporating buckling effect for steel reinforcing bars embedded in FRP-confined concrete. *Composite Structures*, **2017**, 182, 54-66	5.3	39
145	Influence of concrete age on stress–strain behavior of FRP-confined normal- and high-strength concrete. *Construction and Building Materials*, **2015**, 82, 61-70	6.7	38
144	Influence of Slenderness on Stress-Strain Behavior of Concrete-Filled FRP Tubes: Experimental Study. *Journal of Composites for Construction*, **2015**, 19, 04014029	3.3	38
143	Prediction of compressive strength and ultrasonic pulse velocity of fiber reinforced concrete incorporating nano silica using heuristic regression methods. *Construction and Building Materials*, **2018**, 190, 479-494	6.7	38

142	Confinement model for concrete in circular and square FRP-concrete-steel double-skin composite columns. *Materials and Design*, **2016**, 96, 458-469	8.1	37
141	Behavior of FRP-confined high-strength concrete under eccentric compression: Tests on concrete-filled FRP tube columns. *Composite Structures*, **2019**, 220, 261-272	5.3	35
140	Corner strengthening of square and rectangular concrete-filled FRP tubes. *Engineering Structures*, **2016**, 117, 486-495	4.7	35
139	Physical and mechanical properties of foam concretes containing granulated blast furnace slag as fine aggregate. *Construction and Building Materials*, **2020**, 238, 117774	6.7	34
138	Slag uses in making an ecofriendly and sustainable concrete: A review. *Construction and Building Materials*, **2021**, 272, 121942	6.7	34
137	Finite-Element Modeling of Actively Confined Normal-Strength and High-Strength Concrete under Uniaxial, Biaxial, and Triaxial Compression. *Journal of Structural Engineering*, **2016**, 142, 04016113	3	33
136	Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. *Materials*, **2021**, 14,	3.5	33
135	Revealing the dependence of the physiochemical and mechanical properties of cement composites on graphene oxide concentration. *RSC Advances*, **2017**, 7, 55148-55156	3.7	32
134	Quasi-static and dynamic tensile properties of large-rupture-strain (LRS) polyethylene terephthalate fiber bundle. *Construction and Building Materials*, **2020**, 232, 117241	6.7	32
133	The tensile performance of FRP bars embedded in concrete under elevated temperatures. *Construction and Building Materials*, **2019**, 211, 1138-1152	6.7	31
132	Seismic performance of circular recycled aggregate concrete-filled steel tubular columns: FEM modelling and sensitivity analysis. *Thin-Walled Structures*, **2019**, 141, 509-525	4.7	30
131	Flexural behavior of FRP-HSC-steel double skin tubular beams under reversed-cyclic loading. *Thin-Walled Structures*, **2015**, 87, 89-101	4.7	30
130	Behavior of steel fiber-reinforced concrete-filled FRP tube columns: Experimental results and a finite element model. *Composite Structures*, **2018**, 194, 252-262	5.3	30
129	Behavior of Hollow and Concrete-Filled FRP-HSC and FRP-HSC-Steel Composite Columns Subjected to Concentric Compression. *Advances in Structural Engineering*, **2015**, 18, 715-738	1.9	30
128	Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. *Crystals*, **2021**, 11, 232	2.3	30
127	Influence of overlap configuration on compressive behavior of CFRP-confined normal- and high-strength concrete. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 1245-1268	3.4	29
126	Modeling the behavior of FRP-confined concrete using dynamic harmony search algorithm. *Engineering With Computers*, **2017**, 33, 415-430	4.5	28
125	Normal- and high-strength concretes incorporating air-cooled blast furnace slag coarse aggregates: Effect of slag size and content on the behavior. *Construction and Building Materials*, **2016**, 126, 138-146	6.7	27

124	Recycling zeolitic tuff and marble waste in the production of eco-friendly geopolymer concretes. *Journal of Cleaner Production*, **2020**, 268, 122298	10.3	27
123	Influence of FRP anchor configuration on the behavior of FRP plates externally bonded on concrete members. *Engineering Structures*, **2017**, 133, 133-150	4.7	26
122	Sustainable FRP□ecycled aggregate concrete□teel composite columns: Behavior of circular and square columns under axial compression. *Thin-Walled Structures*, **2017**, 120, 60-69	4.7	25
121	Influence of coal ash properties on compressive behaviour of FA- and BA-based GPC. *Magazine of Concrete Research*, **2015**, 67, 1301-1314	2	25
120	Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. *Crystals*, **2021**, 11, 168	2.3	25
119	Nonlinear modeling of ultimate strength and strain of FRP-confined concrete using chaos control method. *Composite Structures*, **2017**, 163, 423-431	5.3	24
118	Rheology, shrinkage and pore structure of alkali-activated slag-fly ash mortar incorporating copper slag as fine aggregate. *Construction and Building Materials*, **2020**, 242, 118029	6.7	24
117	Effect of thermal cycles on mechanical response of pultruded glass fiber reinforced polymer profiles of different geometries. *Composite Structures*, **2019**, 223, 110959	5.3	23
116	Behavior of FRP-HSC-Steel Double-Skin Tubular Columns under Cyclic Axial Compression. *Journal of Composites for Construction*, **2015**, 19, 04014041	3.3	23
115	Effects of electrokinetic phenomena on the load-bearing capacity of different steel and concrete piles: a small-scale experimental study. *Canadian Geotechnical Journal*, **2021**, 58, 741-746	3.2	23
114	Fiber-reinforced concrete containing ultra high-strength micro steel fibers under active confinement. *Construction and Building Materials*, **2018**, 187, 299-306	6.7	22
113	Short-Term Mechanical Properties of Concrete Containing Recycled Polypropylene Coarse Aggregates under Ambient and Elevated Temperature. *Journal of Materials in Civil Engineering*, **2017**, 29, 04017191	3	21
112	Electrochemically produced graphene with ultra large particles enhances mechanical properties of Portland cement mortar. *Construction and Building Materials*, **2020**, 234, 117403	6.7	20
111	Understanding the compressive behavior of shape memory alloy (SMA)-confined normal- and high-strength concrete. *Composite Structures*, **2018**, 202, 943-953	5.3	19
110	Ambient- and oven-cured geopolymer concretes under active confinement. *Construction and Building Materials*, **2019**, 228, 116722	6.7	19
109	Lignocellulosic fiber reinforced composites: Progress, performance, properties, applications, and future perspectives. *Polymer Composites*,	3	19
108	Behavior of geopolymeric recycled aggregate concrete-filled FRP tube (GRACFFT) columns under lateral cyclic loading. *Engineering Structures*, **2020**, 222, 111047	4.7	19
107	Performance evaluation of recycled aggregate concrete-filled steel tubes under different loading conditions: Database analysis and modelling. *Journal of Building Engineering*, **2020**, 30, 101308	5.2	18

106	Influence of the measurement method on axial strains of FRP-confined concrete under compression. *Composite Structures*, **2018**, 188, 415-424	5.3	18
105	Experimental investigation and probabilistic models for residual mechanical properties of GFRP pultruded profiles exposed to elevated temperatures. *Composite Structures*, **2019**, 211, 610-629	5.3	18
104	Durability of concrete containing recycled concrete coarse and fine aggregates and milled waste glass in magnesium sulfate environment. *Journal of Building Engineering*, **2020**, 29, 101182	5.2	17
103	The softening rotation of reinforced concrete members. *Engineering Structures*, **2008**, 30, 3159-3166	4.7	17
102	Behavior of Actively Confined Rubberized Concrete under Cyclic Axial Compression. *Journal of Structural Engineering*, **2019**, 145, 04019131	3	16
101	Physiochemical and mechanical properties of reduced graphene oxide□ement mortar composites: Effect of reduced graphene oxide particle size. *Construction and Building Materials*, **2020**, 250, 118832	6.7	16
100	Fiber-reinforced alkali-activated concrete: A review. *Journal of Building Engineering*, **2022**, 45, 103638	5.2	16
99	Effect of concrete strength and longitudinal reinforcement arrangement on the performance of reinforced concrete beams strengthened using EBR and EBROG methods. *Engineering Structures*, **2020**, 205, 110072	4.7	16
98	Dynamic compressive behavior of concrete confined with unidirectional natural flax FRP based on SHPB tests. *Composite Structures*, **2021**, 259, 113233	5.3	16
97	Acoustic Properties of Innovative Concretes: A Review. *Materials*, **2021**, 14,	3.5	16
96	Sustainable mortars containing fly ash, glass powder and blast-furnace and lead-smelter slag. *Magazine of Concrete Research*, **2020**, 72, 447-459	2	15
95	Development of waste-based concretes containing foundry sand, recycled fine aggregate, ground granulated blast furnace slag and fly ash. *Construction and Building Materials*, **2021**, 267, 121004	6.7	14
94	Tensile properties of GFRP laminates after exposure to elevated temperatures: Effect of fiber configuration, sample thickness, and time of exposure. *Composite Structures*, **2020**, 238, 111971	5.3	13
93	Displacement-based model to predict lateral drift capacities of concrete-filled FRP tube columns. *Engineering Structures*, **2017**, 147, 345-355	4.7	12
92	Distributed Brillouin sensor for structural health monitoring. *Canadian Journal of Civil Engineering*, **2007**, 34, 291-297	1.3	12
91	Signature of structure failure using asymmetric and broadening factors of Brillouin spectrum. *IEEE Photonics Technology Letters*, **2006**, 18, 394-396	2.2	12
90	Life-Cycle Assessment of Alkali-Activated Materials Incorporating Industrial Byproducts. *Materials*, **2021**, 14,	3.5	12
89	Recycling waste concretes as fine aggregate and fly ash as binder in production of thermal insulating foam concretes. *Journal of Building Engineering*, **2021**, 38, 102232	5.2	12

88	Effect of polymer content and temperature on mechanical properties of lightweight polymer concrete. *Construction and Building Materials*, **2020**, 260, 119853	6.7	11
87	Repeated localized impulsive loading on monolithic and multi-layered metallic plates. *Thin-Walled Structures*, **2019**, 144, 106332	4.7	11
86	Mineral filler reinforcement for commingled recycled-plastic materials. *Journal of Applied Polymer Science*, **2009**, 112, 3470-3481	2.9	11
85	Response of earthquake-resistant reinforced-concrete buildings to blast loadingThis article is one of a selection of papers published in the Special Issue on Blast Engineering.. *Canadian Journal of Civil Engineering*, **2009**, 36, 1378-1390	1.3	11
84	Compressive behavior for recycled aggregate concrete confined with recycled polyethylene naphthalate/terephthalate composites. *Construction and Building Materials*, **2020**, 261, 120498	6.7	11
83	Investigation of the compressive behavior and failure modes of unconfined and FRP-confined concrete using digital image correlation. *Composite Structures*, **2020**, 252, 112642	5.3	11
82	Dynamic Behavior of PET FRP and Its Preliminary Application in Impact Strengthening of Concrete Columns. *Applied Sciences (Switzerland)*, **2019**, 9, 4987	2.6	11
81	Influence of pristine graphene particle sizes on physicochemical, microstructural and mechanical properties of Portland cement mortars. *Construction and Building Materials*, **2020**, 264, 120188	6.7	10
80	Influence of Size and Slenderness on Compressive Strain Softening of Confined and Unconfined Concrete. *Journal of Materials in Civil Engineering*, **2016**, 28, 06015010	3	9
79	Reliability Analysis of FRP-Confined Concrete at Ultimate using Conjugate Search Direction Method. *Polymers*, **2020**, 12,	4.5	9
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77	Mechanical behavior of large-rupture-strain (LRS) polyethylene naphthalene fiber bundles at different strain rates and temperatures. *Construction and Building Materials*, **2021**, 297, 123786	6.7	9
76	Lateral Strain-To-Axial Strain Model for Concrete-Filled FRP Tube Columns Incorporating Interface Gap and Prestressed Confinement. *Journal of Composites for Construction*, **2017**, 21, 04017021	3.3	8
75	Recycle of ground granulated blast furnace slag and fly ash on eco-friendly brick production. *European Journal of Environmental and Civil Engineering*, **2020**, 1-19	1.5	8
74	Lightweight foam concrete containing expanded perlite and glass sand: Physico-mechanical, durability, and insulation properties. *Construction and Building Materials*, **2022**, 320, 126187	6.7	8
73	Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. *Crystals*, **2021**, 11, 695	2.3	8
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70	Gas mixture detonation load on polyurea-coated aluminum plates. *Thin-Walled Structures*, **2020**, 155, 106851	4.7	7
69	Factors Influencing Hoop Rupture Strains of FRP-Confined Concrete. *Applied Mechanics and Materials*, **2014**, 501-504, 949-953	0.3	7
68	Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. *Materials*, **2021**, 14,	3.5	7
67	Basalt fiber-reinforced foam concrete containing silica fume: An experimental study. *Construction and Building Materials*, **2022**, 326, 126861	6.7	7
66	Comparison of the mechanical deterioration behavior of C/BMI composite under hygro-thermal or vacuum-thermal cycling. *Composites Part A: Applied Science and Manufacturing*, **2019**, 119, 235-245	8.4	6
65	Enhancing the performance and environmental impact of alkali-activated binder-based composites containing graphene oxide and industrial by-products. *Construction and Building Materials*, **2021**, 284, 122811	6.7	6
64	Comparative study on the effect of fiber type and content on the fire resistance of alkali-activated slag composites. *Construction and Building Materials*, **2021**, 288, 123136	6.7	6
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62	Bioepoxy based hybrid composites from nano-fillers of chicken feather and lignocellulose Ceiba Pentandra.. *Scientific Reports*, **2022**, 12, 397	4.9	5
61	Performance-based seismic design and assessment of low-rise steel special moment resisting frames with block slit dampers using endurance time method. *Engineering Structures*, **2020**, 224, 110955	4.7	5
60	Mechanical and durability properties of steel fiber-reinforced concrete containing coarse recycled concrete aggregate. *Structural Concrete*,	2.6	5
59	Axial impact behavior of Large-Rupture-Strain (LRS) fiber reinforced polymer (FRP)-confined concrete cylinders. *Composite Structures*, **2021**, 276, 114563	5.3	5
58	The combined effect of crumb rubber aggregates and steel fibers on shear behavior of GFRP bar-reinforced high-strength concrete beams. *Journal of Building Engineering*, **2021**, 44, 102981	5.2	5
57	The Effect of Confinement Method and Specimen End Condition on Behavior of FRP-Confined Concrete under Concentric Compression. *Applied Mechanics and Materials*, **2013**, 351-352, 650-653	0.3	4
56	Structural Performance of Shear Loaded Precast EPS-Foam Concrete Half-Shaped Slabs. *Sustainability*, **2020**, 12, 9679	3.6	4
55	Replacement of Natural Sand with Expanded Vermiculite in Fly Ash-Based Geopolymer Mortars. *Applied Sciences (Switzerland)*, **2021**, 11, 1917	2.6	4
54	Compressive instability of open section nanocomposite struts using a layerwise theory. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 355, 820-839	5.7	3
53	An Experimental Study on the Compressive Behavior of CFRP-Confined High- and Ultra High-Strength Concrete. *Advanced Materials Research*, **2013**, 671-674, 1860-1864	0.5	3

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51	3D-printable alkali-activated concretes for building applications: A critical review. *Construction and Building Materials*, **2022**, 319, 126126	6.7	3
50	The effect of curing regimes on physico-mechanical, microstructural and durability properties of alkali-activated materials: A review. *Construction and Building Materials*, **2022**, 321, 126335	6.7	3
49	Construction and Monitoring of Cement/Bentonite Cutoff Walls: Case Study of Karkheh Dam, Iran. *Studia Geotechnica Et Mechanica*, **2019**, 41, 184-199	1	3
48	Lateral Strain-to-Axial Strain Model for Laterally Prestressed Concrete-Filled FRP Tubes. *Key Engineering Materials*, **2017**, 729, 134-138	0.4	2
47	Finite Element Analysis of Constitutive Behavior of FRP-Confined Steel Fiber Reinforced Concrete. *Key Engineering Materials*, **2017**, 737, 511-516	0.4	2
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