

Togay Ozbakkaloglu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bioepoxy based hybrid composites from nano-fillers of chicken feather and lignocellulose Ceiba Pentandra.. <i>Scientific Reports</i> , 2022 , 12, 397	4.9	5
212	Oven-cured alkali-activated concrete 2022 , 157-186		
211	Lightweight geopolymer concrete: A critical review on the feasibility, mixture design, durability properties, and microstructure. <i>Ceramics International</i> , 2022 ,	5.1	2
210	A systematic review of bacteria-based self-healing concrete: Biomineralization, mechanical, and durability properties. <i>Journal of Building Engineering</i> , 2022 , 49, 104038	5.2	9
209	Fiber-reinforced alkali-activated concrete: A review. <i>Journal of Building Engineering</i> , 2022 , 45, 103638	5.2	16
208	3D-printable alkali-activated concretes for building applications: A critical review. <i>Construction and Building Materials</i> , 2022 , 319, 126126	6.7	3
207	The effect of curing regimes on physico-mechanical, microstructural and durability properties of alkali-activated materials: A review. <i>Construction and Building Materials</i> , 2022 , 321, 126335	6.7	3
206	Lightweight foam concrete containing expanded perlite and glass sand: Physico-mechanical, durability, and insulation properties. <i>Construction and Building Materials</i> , 2022 , 320, 126187	6.7	8
205	Basalt fiber-reinforced foam concrete containing silica fume: An experimental study. <i>Construction and Building Materials</i> , 2022 , 326, 126861	6.7	7
204	Flexural behaviour of circular reinforced concrete columns strengthened by glass fibre reinforced polymer wrapping system. <i>Structures</i> , 2022 , 38, 1326-1348	3.4	0
203	Effect of supplementary cementitious materials on properties of 3D printed conventional and alkali-activated concrete: A review. <i>Automation in Construction</i> , 2022 , 138, 104215	9.6	0
202	Introduction to plant fibers and their composites 2022 , 1-24		
201	Influence of Different Types of Wastes on Mechanical and Durability Properties of Interlocking Concrete Block Paving (ICBP): A Review. <i>Sustainability</i> , 2022 , 14, 3733	3.6	0
200	The effect of limestone and bottom ash sand with recycled fine aggregate in foam concrete. <i>Journal of Building Engineering</i> , 2022 , 54, 104689	5.2	0
199	Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. <i>Materials</i> , 2021 , 14,	3.5	7
198	Waste-based alkali-activated mortars containing low- and high-halloysite kaolin nanoparticles. <i>Journal of Cleaner Production</i> , 2021 , 327, 129428	10.3	0
197	Life-Cycle Assessment of Alkali-Activated Materials Incorporating Industrial Byproducts. <i>Materials</i> , 2021 , 14,	3.5	12

196	Enhancing the performance and environmental impact of alkali-activated binder-based composites containing graphene oxide and industrial by-products. <i>Construction and Building Materials</i> , 2021 , 284, 122811	6.7	6
195	Axial compressive behavior of ultra-high-strength steel fiber-reinforced concrete-filled fiber reinforced polymer (FRP) tube columns. <i>Composite Structures</i> , 2021 , 266, 113777	5.3	1
194	Recycling waste concretes as fine aggregate and fly ash as binder in production of thermal insulating foam concretes. <i>Journal of Building Engineering</i> , 2021 , 38, 102232	5.2	12
193	Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. <i>Crystals</i> , 2021 , 11, 695	2.3	8
192	Comparative study on the effect of fiber type and content on the fire resistance of alkali-activated slag composites. <i>Construction and Building Materials</i> , 2021 , 288, 123136	6.7	6
191	Development of a waste-based eco-friendly structural mortar without Portland cement and natural sand. <i>Structural Concrete</i> , 2021 , 22, E488	2.6	2
190	Effects of electrokinetic phenomena on the load-bearing capacity of different steel and concrete piles: a small-scale experimental study. <i>Canadian Geotechnical Journal</i> , 2021 , 58, 741-746	3.2	23
189	Mechanical behaviour of ECC ring beam connections under square local compressive loading. <i>Journal of Building Engineering</i> , 2021 , 34, 101741	5.2	1
188	Development of waste-based concretes containing foundry sand, recycled fine aggregate, ground granulated blast furnace slag and fly ash. <i>Construction and Building Materials</i> , 2021 , 267, 121004	6.7	14
187	Dynamic compressive behavior of concrete confined with unidirectional natural flax FRP based on SHPB tests. <i>Composite Structures</i> , 2021 , 259, 113233	5.3	16
186	Concretes containing waste-based materials under active confinement. <i>Construction and Building Materials</i> , 2021 , 270, 121465	6.7	8
185	Fly ash-based eco-friendly geopolymer concrete: A critical review of the long-term durability properties. <i>Construction and Building Materials</i> , 2021 , 270, 121857	6.7	76
184	Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. <i>Crystals</i> , 2021 , 11, 232	2.3	30
183	Slag uses in making an ecofriendly and sustainable concrete: A review. <i>Construction and Building Materials</i> , 2021 , 272, 121942	6.7	34
182	Replacement of Natural Sand with Expanded Vermiculite in Fly Ash-Based Geopolymer Mortars. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1917	2.6	4
181	Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. <i>Crystals</i> , 2021 , 11, 168	2.3	25
180	Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. <i>Materials</i> , 2021 , 14,	3.5	33
179	Mechanical behavior of large-rupture-strain (LRS) polyethylene naphthalene fiber bundles at different strain rates and temperatures. <i>Construction and Building Materials</i> , 2021 , 297, 123786	6.7	9

178	Rate-dependent compressive behavior of concrete confined with Large-Rupture-Strain (LRS) FRP. <i>Composite Structures</i> , 2021 , 272, 114199	5.3	8
177	Axial impact behavior of Large-Rupture-Strain (LRS) fiber reinforced polymer (FRP)-confined concrete cylinders. <i>Composite Structures</i> , 2021 , 276, 114563	5.3	5
176	Stress-relaxation behavior of fiber-reinforced polymer sheets at elevated temperatures. <i>Construction and Building Materials</i> , 2021 , 307, 124900	6.7	1
175	Experimental and numerical evaluation of the compression behaviour of GFRP-wrapped infill materials. <i>Case Studies in Construction Materials</i> , 2021 , 15, e00654	2.7	
174	The combined effect of crumb rubber aggregates and steel fibers on shear behavior of GFRP bar-reinforced high-strength concrete beams. <i>Journal of Building Engineering</i> , 2021 , 44, 102981	5.2	5
173	Acoustic Properties of Innovative Concretes: A Review. <i>Materials</i> , 2021 , 14,	3.5	16
172	Performance evaluation of recycled aggregate concrete-filled steel tubes under different loading conditions: Database analysis and modelling. <i>Journal of Building Engineering</i> , 2020 , 30, 101308	5.2	18
171	Long-term behavior of recycled aggregate concrete 2020 , 301-320		
170	Recycle of ground granulated blast furnace slag and fly ash on eco-friendly brick production. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 1-19	1.5	8
169	Reliability Analysis of FRP-Confined Concrete at Ultimate using Conjugate Search Direction Method. <i>Polymers</i> , 2020 , 12,	4.5	9
168	Effect of polymer content and temperature on mechanical properties of lightweight polymer concrete. <i>Construction and Building Materials</i> , 2020 , 260, 119853	6.7	11
167	Mechanical strength of CFRP and GFRP composites filled with APP fire retardant powder exposed to elevated temperature. <i>Fire Safety Journal</i> , 2020 , 115, 103178	3.3	5
166	Gas mixture detonation load on polyurea-coated aluminum plates. <i>Thin-Walled Structures</i> , 2020 , 155, 106851	4.7	7
165	Effects of nano-TiO ₂ , nano-Al ₂ O ₃ , and nano-Fe ₂ O ₃ on rheology, mechanical and durability properties of self-consolidating concrete (SCC): An experimental study. <i>Construction and Building Materials</i> , 2020 , 245, 118444	6.7	48
164	Durability of concrete containing recycled concrete coarse and fine aggregates and milled waste glass in magnesium sulfate environment. <i>Journal of Building Engineering</i> , 2020 , 29, 101182	5.2	17
163	Tensile properties of GFRP laminates after exposure to elevated temperatures: Effect of fiber configuration, sample thickness, and time of exposure. <i>Composite Structures</i> , 2020 , 238, 111971	5.3	13
162	Rheology, shrinkage and pore structure of alkali-activated slag-fly ash mortar incorporating copper slag as fine aggregate. <i>Construction and Building Materials</i> , 2020 , 242, 118029	6.7	24
161	Physiochemical and mechanical properties of reduced graphene oxide cement mortar composites: Effect of reduced graphene oxide particle size. <i>Construction and Building Materials</i> , 2020 , 250, 118832	6.7	16

160	Fly ash and ground granulated blast furnace slag-based alkali-activated concrete: Mechanical, transport and microstructural properties. <i>Construction and Building Materials</i> , 2020 , 257, 119548	6.7	49
159	Recycling zeolitic tuff and marble waste in the production of eco-friendly geopolymer concretes. <i>Journal of Cleaner Production</i> , 2020 , 268, 122298	10.3	27
158	Effect of concrete strength and longitudinal reinforcement arrangement on the performance of reinforced concrete beams strengthened using EBR and EBROG methods. <i>Engineering Structures</i> , 2020 , 205, 110072	4.7	16
157	Sustainable mortars containing fly ash, glass powder and blast-furnace and lead-smelter slag. <i>Magazine of Concrete Research</i> , 2020 , 72, 447-459	2	15
156	Physical and mechanical properties of foam concretes containing granulated blast furnace slag as fine aggregate. <i>Construction and Building Materials</i> , 2020 , 238, 117774	6.7	34
155	Electrochemically produced graphene with ultra large particles enhances mechanical properties of Portland cement mortar. <i>Construction and Building Materials</i> , 2020 , 234, 117403	6.7	20
154	Fibre-Reinforced Foamed Concretes: A Review. <i>Materials</i> , 2020 , 13,	3.5	49
153	Performance-based seismic design and assessment of low-rise steel special moment resisting frames with block slit dampers using endurance time method. <i>Engineering Structures</i> , 2020 , 224, 110955	4.7	5
152	Compressive behavior for recycled aggregate concrete confined with recycled polyethylene naphthalate/terephthalate composites. <i>Construction and Building Materials</i> , 2020 , 261, 120498	6.7	11
151	Investigation of the compressive behavior and failure modes of unconfined and FRP-confined concrete using digital image correlation. <i>Composite Structures</i> , 2020 , 252, 112642	5.3	11
150	Investigating the reinforcing mechanism and optimized dosage of pristine graphene for enhancing mechanical strengths of cementitious composites.. <i>RSC Advances</i> , 2020 , 10, 42777-42789	3.7	1
149	Structural Performance of Shear Loaded Precast EPS-Foam Concrete Half-Shaped Slabs. <i>Sustainability</i> , 2020 , 12, 9679	3.6	4
148	Influence of pristine graphene particle sizes on physicochemical, microstructural and mechanical properties of Portland cement mortars. <i>Construction and Building Materials</i> , 2020 , 264, 120188	6.7	10
147	Behavior of geopolymeric recycled aggregate concrete-filled FRP tube (GRACFFT) columns under lateral cyclic loading. <i>Engineering Structures</i> , 2020 , 222, 111047	4.7	19
146	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. <i>Neural Computing and Applications</i> , 2020 , 32, 295-308	4.8	43
145	A review of natural fiber composites: properties, modification and processing techniques, characterization, applications. <i>Journal of Materials Science</i> , 2020 , 55, 829-892	4.3	203
144	Quasi-static and dynamic tensile properties of large-rupture-strain (LRS) polyethylene terephthalate fiber bundle. <i>Construction and Building Materials</i> , 2020 , 232, 117241	6.7	32
143	Behavior of Actively Confined Rubberized Concrete under Cyclic Axial Compression. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019131	3	16

142	Seismic performance of circular recycled aggregate concrete-filled steel tubular columns: FEM modelling and sensitivity analysis. <i>Thin-Walled Structures</i> , 2019 , 141, 509-525	4.7	30
141	Recycling of bottom ash and fly ash wastes in eco-friendly clay brick production. <i>Journal of Cleaner Production</i> , 2019 , 233, 753-764	10.3	68
140	Effect of thermal cycles on mechanical response of pultruded glass fiber reinforced polymer profiles of different geometries. <i>Composite Structures</i> , 2019 , 223, 110959	5.3	23
139	Synthetic fibers for cementitious composites: A critical and in-depth review of recent advances. <i>Construction and Building Materials</i> , 2019 , 207, 491-518	6.7	73
138	Low-velocity impact behavior of a carbon/bismaleimide composite proposed for supersonic flight simulation after hygrothermal cycling. <i>Polymer Composites</i> , 2019 , 40, E1588-E1599	3	2
137	Behavior of FRP-confined high-strength concrete under eccentric compression: Tests on concrete-filled FRP tube columns. <i>Composite Structures</i> , 2019 , 220, 261-272	5.3	35
136	The tensile performance of FRP bars embedded in concrete under elevated temperatures. <i>Construction and Building Materials</i> , 2019 , 211, 1138-1152	6.7	31
135	Comparison of the mechanical deterioration behavior of C/BMI composite under hygro-thermal or vacuum-thermal cycling. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 119, 235-245	8.4	6
134	Repeated localized impulsive loading on monolithic and multi-layered metallic plates. <i>Thin-Walled Structures</i> , 2019 , 144, 106332	4.7	11
133	Compressive instability of open section nanocomposite struts using a layerwise theory. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 355, 820-839	5.7	3
132	Optimum rice husk ash content and bacterial concentration in self-compacting concrete. <i>Construction and Building Materials</i> , 2019 , 222, 796-813	6.7	57
131	Ambient- and oven-cured geopolymer concretes under active confinement. <i>Construction and Building Materials</i> , 2019 , 228, 116722	6.7	19
130	Construction and Monitoring of Cement/Bentonite Cutoff Walls: Case Study of Karkheh Dam, Iran. <i>Studia Geotechnica Et Mechanica</i> , 2019 , 41, 184-199	1	3
129	Dynamic Behavior of PET FRP and Its Preliminary Application in Impact Strengthening of Concrete Columns. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4987	2.6	11
128	Ambient-cured geopolymer mortars prepared with waste-based sands: Mechanical and durability-related properties and microstructure. <i>Composites Part B: Engineering</i> , 2019 , 160, 519-534	10	59
127	Experimental investigation and probabilistic models for residual mechanical properties of GFRP pultruded profiles exposed to elevated temperatures. <i>Composite Structures</i> , 2019 , 211, 610-629	5.3	18
126	Recycled plastic 2019 , 59-85		2
125	A critical assessment of the compressive behavior of reinforced recycled aggregate concrete columns. <i>Engineering Structures</i> , 2018 , 161, 161-175	4.7	47

124	Optimizing the mixture design of polymer concrete: An experimental investigation. <i>Construction and Building Materials</i> , 2018 , 167, 185-196	6.7	53
123	Time-dependent and long-term mechanical properties of concretes incorporating different grades of coarse recycled concrete aggregates. <i>Engineering Structures</i> , 2018 , 157, 224-234	4.7	79
122	Influence of the measurement method on axial strains of FRP-confined concrete under compression. <i>Composite Structures</i> , 2018 , 188, 415-424	5.3	18
121	Understanding the compressive behavior of shape memory alloy (SMA)-confined normal- and high-strength concrete. <i>Composite Structures</i> , 2018 , 202, 943-953	5.3	19
120	Confinement of NORMAL- AND HIGH-STRENGTH CONCRETE by Shape Memory Alloy (SMA) Spirals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 301, 012056	0.4	2
119	Behavior of steel fiber-reinforced concrete-filled FRP tube columns: Experimental results and a finite element model. <i>Composite Structures</i> , 2018 , 194, 252-262	5.3	30
118	Development of Lateral Prestress in High-Strength Concrete-Filled FRP Tubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 307, 012062	0.4	
117	Evaluation of peak and residual conditions of actively confined concrete using neuro-fuzzy and neural computing techniques. <i>Neural Computing and Applications</i> , 2018 , 29, 873-888	4.8	65
116	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. <i>Construction and Building Materials</i> , 2018 , 158, 823-834	6.7	48
115	Fiber-reinforced concrete containing ultra high-strength micro steel fibers under active confinement. <i>Construction and Building Materials</i> , 2018 , 187, 299-306	6.7	22
114	Simplified design-oriented axial stress-strain model for FRP-confined normal- and high-strength concrete. <i>Engineering Structures</i> , 2018 , 175, 501-516	4.7	45
113	Mechanical and Durability Properties of Recycled Aggregate Concrete: Effect of Recycled Aggregate Properties and Content. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04017275	3	95
112	Behaviour of square FRP-Confined High-Strength Concrete Columns under Eccentric Compression. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 301, 012058	0.4	1
111	Prediction of compressive strength and ultrasonic pulse velocity of fiber reinforced concrete incorporating nano silica using heuristic regression methods. <i>Construction and Building Materials</i> , 2018 , 190, 479-494	6.7	38
110	Toward the Development of Sustainable Concretes with Recycled Concrete Aggregates: Comprehensive Review of Studies on Mechanical Properties. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018211	3	85
109	Lateral Strain-to-Axial Strain Model for Laterally Prestressed Concrete-Filled FRP Tubes. <i>Key Engineering Materials</i> , 2017 , 729, 134-138	0.4	2
108	Use of Fine Rubber Particles as Fine Concrete Aggregates in Actively Confined Concrete. <i>Key Engineering Materials</i> , 2017 , 729, 122-127	0.4	
107	Behavior of rubberized concrete under active confinement. <i>Construction and Building Materials</i> , 2017 , 138, 372-382	6.7	41

106	Finite Element Analysis of Constitutive Behavior of FRP-Confined Steel Fiber Reinforced Concrete. <i>Key Engineering Materials</i> , 2017 , 737, 511-516	0.4	2
105	Performance of sustainable concretes containing very high volume Class-F fly ash and ground granulated blast furnace slag. <i>Journal of Cleaner Production</i> , 2017 , 162, 1407-1417	10.3	100
104	Displacement-based model to predict lateral drift capacities of concrete-filled FRP tube columns. <i>Engineering Structures</i> , 2017 , 147, 345-355	4.7	12
103	Lateral Strain-To-Axial Strain Model for Concrete-Filled FRP Tube Columns Incorporating Interface Gap and Prestressed Confinement. <i>Journal of Composites for Construction</i> , 2017 , 21, 04017021	3.3	8
102	Influence of FRP anchor configuration on the behavior of FRP plates externally bonded on concrete members. <i>Engineering Structures</i> , 2017 , 133, 133-150	4.7	26
101	Nonlinear modeling of ultimate strength and strain of FRP-confined concrete using chaos control method. <i>Composite Structures</i> , 2017 , 163, 423-431	5.3	24
100	Finite Element Modeling of FRP-Confined Concrete using Extended Damage-Plasticity Approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 225, 012147	0.4	
99	An Experimental Study on Shrinkage Strains of Normal-and High-Strength Concrete-Filled Frp Tubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 230, 012007	0.4	1
98	Influence of double hooked-end steel fibers and slag on mechanical and durability properties of high performance recycled aggregate concrete. <i>Composite Structures</i> , 2017 , 181, 273-284	5.3	123
97	Predicting Strain Reduction Factor for Concrete-Filled FRP Tube Columns Incorporating Interface Gap and Prestress. <i>Solid State Phenomena</i> , 2017 , 263, 18-23	0.4	
96	Sustainable FRP-Recycled aggregate concrete-Steel composite columns: Behavior of circular and square columns under axial compression. <i>Thin-Walled Structures</i> , 2017 , 120, 60-69	4.7	25
95	Cyclic stress-strain model incorporating buckling effect for steel reinforcing bars embedded in FRP-confined concrete. <i>Composite Structures</i> , 2017 , 182, 54-66	5.3	39
94	Short-Term Mechanical Properties of Concrete Containing Recycled Polypropylene Coarse Aggregates under Ambient and Elevated Temperature. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017191	3	21
93	From Graphene Oxide to Reduced Graphene Oxide: Impact on the Physiochemical and Mechanical Properties of Graphene-Cement Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43275-43286	9.5	106
92	New formulations for mechanical properties of recycled aggregate concrete using gene expression programming. <i>Construction and Building Materials</i> , 2017 , 130, 122-145	6.7	137
91	Modeling the behavior of FRP-confined concrete using dynamic harmony search algorithm. <i>Engineering With Computers</i> , 2017 , 33, 415-430	4.5	28
90	Revealing the dependence of the physiochemical and mechanical properties of cement composites on graphene oxide concentration. <i>RSC Advances</i> , 2017 , 7, 55148-55156	3.7	32
89	Evaluation of ultimate conditions of FRP-confined concrete columns using genetic programming. <i>Computers and Structures</i> , 2016 , 162, 28-37	4.5	52

88	Influence of Size and Slenderness on Compressive Strain Softening of Confined and Unconfined Concrete. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 06015010	3	9
87	Influence of overlap configuration on compressive behavior of CFRP-confined normal- and high-strength concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 1245-1268	3.4	29
86	Normal- and high-strength concretes incorporating air-cooled blast furnace slag coarse aggregates: Effect of slag size and content on the behavior. <i>Construction and Building Materials</i> , 2016 , 126, 138-146	6.7	27
85	Microstructure and Mechanical Properties of Ambiently-Cured Blended Coal Ash-Based Geopolymer Concrete. <i>Materials Science Forum</i> , 2016 , 857, 400-404	0.4	
84	Reflections on Mechanisms Affecting the Behavior of FRP-Concrete-Steel Double-Skin Tubular Columns. <i>Key Engineering Materials</i> , 2016 , 705, 323-331	0.4	2
83	Finite-Element Modeling of Actively Confined Normal-Strength and High-Strength Concrete under Uniaxial, Biaxial, and Triaxial Compression. <i>Journal of Structural Engineering</i> , 2016 , 142, 04016113	3	33
82	Confinement model for concrete in circular and square FRP-Concrete-Steel double-skin composite columns. <i>Materials and Design</i> , 2016 , 96, 458-469	8.1	37
81	Use of recycled plastics in concrete: A critical review. <i>Waste Management</i> , 2016 , 51, 19-42	8.6	290
80	Behavior of recycled aggregate concrete-filled basalt and carbon FRP tubes. <i>Construction and Building Materials</i> , 2016 , 105, 132-143	6.7	86
79	Predicting behavior of FRP-confined concrete using neuro fuzzy, neural network, multivariate adaptive regression splines and M5 model tree techniques. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 4319-4334	3.4	67
78	Applications of Fiber Reinforced Polymer Composites. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-1	2.4	2
77	Corner strengthening of square and rectangular concrete-filled FRP tubes. <i>Engineering Structures</i> , 2016 , 117, 486-495	4.7	35
76	High-performance fiber-reinforced concrete: a review. <i>Journal of Materials Science</i> , 2016 , 51, 6517-6551	4.3	231
75	Behavior of square fiber reinforced polymer-High-strength concrete-Steel double-skin tubular columns under combined axial compression and reversed-cyclic lateral loading. <i>Engineering Structures</i> , 2016 , 118, 307-319	4.7	48
74	Geopolymer concrete-filled FRP tubes: Behavior of circular and square columns under axial compression. <i>Composites Part B: Engineering</i> , 2016 , 96, 215-230	10	63
73	Damage-Plasticity Model for FRP-Confined Normal-Strength and High-Strength Concrete. <i>Journal of Composites for Construction</i> , 2016 , 20, 04016053	3.3	44
72	Effect of Coal Ash Properties on Compressive Strength of Bottom Ash-Based Geopolymer Concrete. <i>Materials Science Forum</i> , 2016 , 857, 395-399	0.4	1
71	Behavior of low-calcium fly and bottom ash-based geopolymer concrete cured at ambient temperature. <i>Ceramics International</i> , 2015 , 41, 5945-5958	5.1	144

70	Behavior of steel fiber-reinforced high-strength concrete-filled FRP tube columns under axial compression. <i>Engineering Structures</i> , 2015 , 90, 158-171	4-7	96
69	Mechanical and durability properties of high-strength concrete containing steel and polypropylene fibers. <i>Construction and Building Materials</i> , 2015 , 94, 73-82	6-7	335
68	Lateral Strain-to-Axial Strain Relationship of Confined Concrete. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014141	3	93
67	Investigation of the Influence of the Application Path of Confining Pressure: Tests on Actively Confined and FRP-Confined Concretes. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014203	3	61
66	Influence of concrete age on stress-strain behavior of FRP-confined normal- and high-strength concrete. <i>Construction and Building Materials</i> , 2015 , 82, 61-70	6-7	38
65	Square FRP-HSC-steel composite columns: Behavior under axial compression. <i>Engineering Structures</i> , 2015 , 92, 156-171	4-7	44
64	A novel FRP-dual-grade concrete-steel composite column system. <i>Thin-Walled Structures</i> , 2015 , 96, 295-306	4-7	45
63	Influence of shrinkage on compressive behavior of concrete-filled FRP tubes: An experimental study on interface gap effect. <i>Construction and Building Materials</i> , 2015 , 75, 144-156	6-7	40
62	Flexural behavior of FRP-HSC-steel double skin tubular beams under reversed-cyclic loading. <i>Thin-Walled Structures</i> , 2015 , 87, 89-101	4-7	30
61	FRP-HSC-steel composite columns: behavior under monotonic and cyclic axial compression. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 1075-1093	3-4	54
60	Unified Stress-Strain Model for FRP and Actively Confined Normal-Strength and High-Strength Concrete. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014072	3-3	67
59	Influence of Slenderness on Stress-Strain Behavior of Concrete-Filled FRP Tubes: Experimental Study. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014029	3-3	38
58	Hoop strains in FRP-confined concrete columns: experimental observations. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 2839-2854	3-4	92
57	Influence of coal ash properties on compressive behaviour of FA- and BA-based GPC. <i>Magazine of Concrete Research</i> , 2015 , 67, 1301-1314	2	25
56	Behavior of Hollow and Concrete-Filled FRP-HSC and FRP-HSC-Steel Composite Columns Subjected to Centric Compression. <i>Advances in Structural Engineering</i> , 2015 , 18, 715-738	1-9	30
55	Behavior of FRP-HSC-Steel Double-Skin Tubular Columns under Cyclic Axial Compression. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014041	3-3	23
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53	Axial Compressive Behavior of Circular High-Strength Concrete-Filled FRP Tubes. <i>Journal of Composites for Construction</i> , 2014 , 18, 04013037	3-3	114

52	Stress-strain model for normal- and light-weight concretes under uniaxial and triaxial compression. <i>Construction and Building Materials</i> , 2014 , 71, 492-509	6.7	124
51	Axial Compressive Behavior of FRP-Concrete-Steel Double-Skin Tubular Columns Made of Normal- and High-Strength Concrete. <i>Journal of Composites for Construction</i> , 2014 , 18, 04013027	3.3	79
50	Influence of silica fume on stress-strain behavior of FRP-confined HSC. <i>Construction and Building Materials</i> , 2014 , 63, 11-24	6.7	65
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48	Design model for FRP-confined normal- and high-strength concrete square and rectangular columns. <i>Magazine of Concrete Research</i> , 2014 , 66, 1020-1035	2	80
47	Variation of Hoop Strains in Concrete-Filled FRP Tubes with Concrete Strength, Amount of Confinement and Specimen Slenderness. <i>Applied Mechanics and Materials</i> , 2014 , 501-504, 977-982	0.3	
46	Effect of Loading Pattern on Performance of FRP-HSC-Steel Double Skin Tubular Columns. <i>Advanced Materials Research</i> , 2014 , 919-921, 83-87	0.5	
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43	Seismic Behavior of FRP-High-Strength Concrete-Steel Double-Skin Tubular Columns. <i>Journal of Structural Engineering</i> , 2014 , 140, 04014019	3	91
42	Influence of Slenderness on Behavior of High-Strength Concrete-Filled FRP Tubes under Axial Compression. <i>Applied Mechanics and Materials</i> , 2014 , 501-504, 963-968	0.3	1
41	Factors Influencing Hoop Rupture Strains of FRP-Confined Concrete. <i>Applied Mechanics and Materials</i> , 2014 , 501-504, 949-953	0.3	7
40	Comparison of Stress-Strain Relationships of FRP and Actively Confined High-Strength Concrete: Experimental Observations. <i>Advanced Materials Research</i> , 2014 , 919-921, 29-34	0.5	2
39	Flexural behavior of FRP-HSC-steel composite beams. <i>Thin-Walled Structures</i> , 2014 , 80, 207-216	4.7	66
38	Influence of fiber orientation and specimen end condition on axial compressive behavior of FRP-confined concrete. <i>Construction and Building Materials</i> , 2013 , 47, 814-826	6.7	144
37	Axial compressive behavior of FRP-confined concrete: Experimental test database and a new design-oriented model. <i>Composites Part B: Engineering</i> , 2013 , 55, 607-634	10	237
36	FRP-confined concrete in circular sections: Review and assessment of stress-strain models. <i>Engineering Structures</i> , 2013 , 49, 1068-1088	4.7	372
35	Behavior of square and rectangular ultra high-strength concrete-filled FRP tubes under axial compression. <i>Composites Part B: Engineering</i> , 2013 , 54, 97-111	10	110

34	Compressive behavior of aramid FRP-HSC-Steel double-skin tubular columns. <i>Construction and Building Materials</i> , 2013 , 48, 554-565	6.7	77
33	Compressive behavior of concrete-filled FRP tube columns: Assessment of critical column parameters. <i>Engineering Structures</i> , 2013 , 51, 188-199	4.7	167
32	Influence of concrete strength and confinement method on axial compressive behavior of FRP confined high- and ultra high-strength concrete. <i>Composites Part B: Engineering</i> , 2013 , 50, 413-428	10	178
31	Axial Compressive Behavior of High- and Ultra High-Strength Concrete-Filled AFRP Tubes. <i>Advanced Materials Research</i> , 2013 , 671-674, 626-631	0.5	
30	An Experimental Study on Behavior of FRP-HSC-Steel Double-Skin Tubular Columns under Concentric Compression. <i>Applied Mechanics and Materials</i> , 2013 , 357-360, 565-569	0.3	
29	Influence of Concrete-Filling Inner Steel Tube on Compressive Behavior of Double-Skin Tubular Columns. <i>Advanced Materials Research</i> , 2013 , 838-841, 535-539	0.5	1
28	Axial Compressive Behavior of Square and Rectangular High-Strength Concrete-Filled FRP Tubes. <i>Journal of Composites for Construction</i> , 2013 , 17, 151-161	3.3	122
27	An Experimental Study on the Compressive Behavior of CFRP-Confined High- and Ultra High-Strength Concrete. <i>Advanced Materials Research</i> , 2013 , 671-674, 1860-1864	0.5	3
26	The Effect of Confinement Method and Specimen End Condition on Behavior of FRP-Confined Concrete under Concentric Compression. <i>Applied Mechanics and Materials</i> , 2013 , 351-352, 650-653	0.3	4
25	Influence of Fiber Type on Behavior of High-Strength Concrete-Filled FRP Tubes under Concentric Compression. <i>Applied Mechanics and Materials</i> , 2013 , 438-439, 240-245	0.3	1
24	Seismic Behavior of High-Strength Concrete-Filled FRP Tube Columns. <i>Journal of Composites for Construction</i> , 2013 , 17, 04013013	3.3	91
23	A Simple Design-Oriented Model for FRP-Confined High-Strength Concrete. <i>Advanced Materials Research</i> , 2013 , 743, 45-49	0.5	1
22	Concrete-Filled FRP Tubes: Manufacture and Testing of New Forms Designed for Improved Performance. <i>Journal of Composites for Construction</i> , 2013 , 17, 280-291	3.3	59
21	Ultra-High-Strength Concrete-Filled FRP Tubes: Compression Tests on Square and Rectangular Columns. <i>Key Engineering Materials</i> , 2013 , 575-576, 239-244	0.4	3
20	Influence of Inner Steel Tube Properties on Compressive Behavior of FRP-HSC-Steel Double-Skin Tubular Columns. <i>Applied Mechanics and Materials</i> , 2013 , 438-439, 701-705	0.3	
19	Behavior of High-Strength Concrete-Filled FRP Tube Columns under Simulated Seismic Loading: An Experimental Study. <i>Advanced Materials Research</i> , 2013 , 743, 39-44	0.5	0
18	Flexural Behavior of Hybrid Double-Skin-Tubular Beams. <i>Advanced Materials Research</i> , 2013 , 838-841, 525-529	0.5	2
17	Behavior of FRP-Confined Normal- and High-Strength Concrete under Cyclic Axial Compression. <i>Journal of Composites for Construction</i> , 2012 , 16, 451-463	3.3	203

16	Investigation of Key Column Parameters on Compressive Behavior of Concrete-Filled FRP Tubes. <i>Applied Mechanics and Materials</i> , 2012 , 256-259, 779-783	0.3	1
15	Concrete-Filled FRP Tubes: New Forms for Improved Confinement Effectiveness. <i>Applied Mechanics and Materials</i> , 2012 , 256-259, 657-661	0.3	
14	Influence of variations in concrete material properties on the serviceability of reinforced and prestressed concrete flexural members. <i>Engineering Structures</i> , 2011 , 33, 99-106	4.7	0
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