

Muhammad Hadi

List of Publications by Year in descending order

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257
papers

6,862
citations

53660

45
h-index

88477

70
g-index

267
all docs

267
docs citations

267
times ranked

2838
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of geopolymer concrete with GGBFS at ambient curing condition using Taguchi method. <i>Construction and Building Materials</i> , 2017, 140, 424-431.	3.2	242
2	Optimum Design of Absorber for MDOF Structures. <i>Journal of Structural Engineering</i> , 1998, 124, 1272-1280.	1.7	201
3	Experimental Investigations on Circular Concrete Columns Reinforced with GFRP Bars and Helices under Different Loading Conditions. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	173
4	Investigation of engineering properties of normal and high strength fly ash based geopolymer and alkali-activated slag concrete compared to ordinary Portland cement concrete. <i>Construction and Building Materials</i> , 2019, 196, 26-42.	3.2	158
5	Behaviour of FRP wrapped normal strength concrete columns under eccentric loading. <i>Composite Structures</i> , 2006, 72, 503-511.	3.1	144
6	Optimum mix design of geopolymer pastes and concretes cured in ambient condition based on compressive strength, setting time and workability. <i>Journal of Building Engineering</i> , 2019, 23, 301-313.	1.6	137
7	Behaviour of FRP strengthened concrete columns under eccentric compression loading. <i>Composite Structures</i> , 2007, 77, 92-96.	3.1	136
8	Axial and Flexural Performance of Square RC Columns Wrapped with CFRP under Eccentric Loading. <i>Journal of Composites for Construction</i> , 2012, 16, 640-649.	1.7	133
9	Effects of fly ash characteristics and alkaline activator components on compressive strength of fly ash-based geopolymer mortar. <i>Construction and Building Materials</i> , 2018, 175, 41-54.	3.2	115
10	Behaviour of externally confined high-strength concrete columns under eccentric loading. <i>Composite Structures</i> , 2003, 62, 145-153.	3.1	112
11	Axial load-axial deformation behaviour of circular concrete columns reinforced with GFRP bars and helices. <i>Construction and Building Materials</i> , 2016, 112, 1147-1157.	3.2	103
12	Neural networks applications in concrete structures. <i>Computers and Structures</i> , 2003, 81, 373-381.	2.4	102
13	New Method of Strengthening Reinforced Concrete Square Columns by Circularizing and Wrapping with Fiber-Reinforced Polymer or Steel Straps. <i>Journal of Composites for Construction</i> , 2013, 17, 229-238.	1.7	97
14	Influence of alkaline activators on the mechanical properties of fly ash based geopolymer concrete cured at ambient temperature. <i>Construction and Building Materials</i> , 2021, 273, 121752.	3.2	96
15	Strengthening square reinforced concrete columns by circularisation and FRP confinement. <i>Construction and Building Materials</i> , 2013, 49, 490-499.	3.2	92
16	Comparative study of eccentrically loaded FRP wrapped columns. <i>Composite Structures</i> , 2006, 74, 127-135.	3.1	89
17	Behaviour of eccentric loading of FRP confined fibre steel reinforced concrete columns. <i>Construction and Building Materials</i> , 2009, 23, 1102-1108.	3.2	88
18	Optimal design of semi active control for adjacent buildings connected by MR damper based on integrated fuzzy logic and multi-objective genetic algorithm. <i>Engineering Structures</i> , 2014, 69, 135-148.	2.6	88

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19	Nonlinear analysis of rectangular concrete-filled double steel tubular short columns incorporating local buckling. <i>Engineering Structures</i> , 2018, 175, 13-26.	2.6	85
20	Nonlinear analysis of axially loaded circular concrete-filled stainless steel tubular short columns. <i>Journal of Constructional Steel Research</i> , 2014, 101, 9-18.	1.7	84
21	Axial and flexural behavior of unreinforced and FRP bar reinforced circular concrete filled FRP tube columns. <i>Construction and Building Materials</i> , 2016, 122, 43-53.	3.2	79
22	Confinement model for FRP confined normal- and high-strength concrete circular columns. <i>Construction and Building Materials</i> , 2014, 69, 83-90.	3.2	77
23	Experimental Investigation of GFRP-Reinforced and GFRP-Encased Square Concrete Specimens under Axial and Eccentric Load, and Four-Point Bending Test. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	75
24	Non-linear finite element analysis of flexible pavements. <i>Advances in Engineering Software</i> , 2003, 34, 657-662.	1.8	74
25	Optimized FRP Wrapping Schemes for Circular Concrete Columns under Axial Compression. <i>Journal of Composites for Construction</i> , 2015, 19, .	1.7	74
26	Compressive behaviour of partially FRP confined concrete: Experimental observations and assessment of the stress-strain models. <i>Construction and Building Materials</i> , 2018, 192, 785-797.	3.2	73
27	Predicting Stress and Strain of FRP-Confined Square/Rectangular Columns Using Artificial Neural Networks. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	71
28	Experimental Investigation on the Effect of Corrosion on the Bond Between Reinforcing Steel Bars and Fibre Reinforced Geopolymer Concrete. <i>Structures</i> , 2018, 14, 251-261.	1.7	71
29	Comparative behaviour of hollow columns confined with FRP composites. <i>Composite Structures</i> , 2010, 93, 198-205.	3.1	70
30	Stress Prediction Model for FRP Confined Rectangular Concrete Columns with Rounded Corners. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	69
31	Numerical analysis of axially loaded circular high strength concrete-filled double steel tubular short columns. <i>Thin-Walled Structures</i> , 2019, 138, 105-116.	2.7	68
32	Retrofitting nonseismically detailed exterior beam-column joints using concrete covers together with CFRP jacket. <i>Construction and Building Materials</i> , 2014, 63, 161-173.	3.2	67
33	The behaviour of FRP wrapped HSC columns under different eccentric loads. <i>Composite Structures</i> , 2007, 78, 560-566.	3.1	65
34	Mechanical properties of reactive powder concrete containing industrial and waste steel fibres at different ratios under compression. <i>Construction and Building Materials</i> , 2017, 154, 1024-1034.	3.2	64
35	Factors Affecting the Bond Strength Between the Fly Ash-based Geopolymer Concrete and Steel Reinforcement. <i>Structures</i> , 2018, 14, 262-272.	1.7	64
36	Engineering Properties of Ambient Cured Alkali-Activated Fly Ash-Slag Concrete Reinforced with Different Types of Steel Fiber. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	61

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37	The effect of surface profile, rock strength and pretension load on bending behaviour of fully grouted bolts. <i>Geotechnical and Geological Engineering</i> , 2006, 24, 1203-1227.	0.8	59
38	Experimental Investigation of Circular High-Strength Concrete Columns Reinforced with Glass Fiber-Reinforced Polymer Bars and Helices under Different Loading Conditions. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	59
39	Bond of High Strength Concrete with High Strength Reinforcing Steel-!2008-07-24~!2008-10-28~!2008-11-26~!. <i>Open Civil Engineering Journal</i> , 2008, 2, 143-147.	0.4	59
40	External reinforcement of high strength concrete columns. <i>Composite Structures</i> , 2004, 65, 279-287.	3.1	56
41	Axial and flexural behaviour of circular reinforced concrete columns strengthened with reactive powder concrete jacket and fibre reinforced polymer wrapping. <i>Construction and Building Materials</i> , 2018, 172, 717-727.	3.2	55
42	Investigation on the behaviour of partial wrapping in comparison with full wrapping of square RC columns under different loading conditions. <i>Construction and Building Materials</i> , 2018, 168, 153-168.	3.2	50
43	Axial compressive behaviour of GFRP tube reinforced concrete columns. <i>Construction and Building Materials</i> , 2015, 81, 198-207.	3.2	49
44	Behaviour of Ambient Cured Steel Fibre Reinforced Geopolymer Concrete Columns Under Axial and Flexural Loads. <i>Structures</i> , 2018, 15, 184-195.	1.7	48
45	High strength thin-walled rectangular concrete-filled steel tubular slender beam-columns, Part I: Modeling. <i>Journal of Constructional Steel Research</i> , 2012, 70, 377-384.	1.7	45
46	Numerical analysis of high-strength concrete-filled steel tubular slender beam-columns under cyclic loading. <i>Journal of Constructional Steel Research</i> , 2014, 92, 183-194.	1.7	45
47	Compressive behavior of hybrid double-skin tubular columns with a rib-stiffened steel inner tube. <i>Composite Structures</i> , 2018, 204, 634-644.	3.1	45
48	Axial Load-Bending Moment Diagrams of Carbon FRP Wrapped Hollow Core Reinforced Concrete Columns. <i>Journal of Composites for Construction</i> , 2009, 13, 262-268.	1.7	44
49	Performance evaluation of high strength concrete and steel fibre high strength concrete columns reinforced with GFRP bars and helices. <i>Construction and Building Materials</i> , 2017, 134, 297-310.	3.2	43
50	Axial-Flexural Interactions of GFRP-CFFT Columns with and without Reinforcing GFRP Bars. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	43
51	Biaxially loaded high-strength concrete-filled steel tubular slender beam-columns, Part I: Multiscale simulation. <i>Journal of Constructional Steel Research</i> , 2012, 75, 64-71.	1.7	42
52	Behaviour of concrete-encased concrete-filled FRP tube (CCFT) columns under axial compression. <i>Engineering Structures</i> , 2017, 147, 256-268.	2.6	42
53	Seismic rehabilitation of reinforced concrete beam-column joints by bonding with concrete covers and wrapping with FRP composites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 467-485.	1.3	41
54	Nonlinear analysis of biaxially loaded rectangular concrete-filled stainless steel tubular slender beam-columns. <i>Engineering Structures</i> , 2017, 140, 120-133.	2.6	41

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55	Effects of tensile reinforcement ratio and compressive strength on the behaviour of over-reinforced helically confined HSC beams. <i>Construction and Building Materials</i> , 2007, 21, 269-276.	3.2	40
56	Shape optimization of thin-walled steel sections using graph theory and ACO algorithm. <i>Journal of Constructional Steel Research</i> , 2014, 101, 331-341.	1.7	40
57	Mechanical properties of micro-steel fibre reinforced magnesium potassium phosphate cement composite. <i>Construction and Building Materials</i> , 2018, 185, 423-435.	3.2	39
58	Behavior of eccentrically loaded double circular steel tubular short columns filled with concrete. <i>Engineering Structures</i> , 2019, 201, 109790.	2.6	39
59	Optimal direct (static) output feedback controller using real coded genetic algorithms. <i>Computers and Structures</i> , 2001, 79, 1625-1634.	2.4	38
60	Behaviour of hollow core square reinforced concrete columns wrapped with CFRP with different fibre orientations. <i>Construction and Building Materials</i> , 2014, 50, 62-73.	3.2	38
61	Experimental and numerical studies of square concrete-filled double steel tubular short columns under eccentric loading. <i>Engineering Structures</i> , 2019, 197, 109419.	2.6	38
62	Behaviour of perforated GFRP tubes under axial compression. <i>Thin-Walled Structures</i> , 2015, 95, 88-100.	2.7	37
63	Passive and active control of three-dimensional buildings. <i>Earthquake Engineering and Structural Dynamics</i> , 2000, 29, 377-396.	2.5	36
64	Heuristic Approach for Optimum Cost and Layout Design of 3D Reinforced Concrete Frames. <i>Journal of Structural Engineering</i> , 2012, 138, 853-863.	1.7	35
65	Experimental Study of High-Strength Concrete Columns Confined with Different Types of Mesh under Eccentric and Concentric Loads. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 823-832.	1.3	34
66	High strength thin-walled rectangular concrete-filled steel tubular slender beam-columns, Part II: Behavior. <i>Journal of Constructional Steel Research</i> , 2012, 70, 368-376.	1.7	34
67	Direct tensile testing of Self-Compacting Concrete. <i>Construction and Building Materials</i> , 2016, 112, 903-906.	3.2	34
68	Mechanical properties of steel, glass, and hybrid fiber reinforced reactive powder concrete. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 998-1006.	1.2	34
69	Axial compressive behaviour of concrete confined with polymer grid. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 3893-3908.	1.3	33
70	Experimental investigation of composite beams reinforced with GFRP I-beam and steel bars. <i>Construction and Building Materials</i> , 2017, 144, 462-474.	3.2	32
71	Local-global interaction buckling of square high strength concrete-filled double steel tubular slender beam-columns. <i>Thin-Walled Structures</i> , 2019, 143, 106244.	2.7	32
72	Experimental study on the properties of corroded steel fibres. <i>Construction and Building Materials</i> , 2015, 79, 165-172.	3.2	31

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73	Axial load-bending moment diagrams of GFRP reinforced columns and GFRP encased square columns. <i>Construction and Building Materials</i> , 2017, 135, 550-564.	3.2	31
74	Behavior of Circularized Hollow RC Columns under Different Loading Conditions. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	30
75	Maximum axial load carrying capacity of Fibre Reinforced-Polymer (FRP) bar reinforced concrete columns under axial compression. <i>Structures</i> , 2019, 19, 227-233.	1.7	29
76	Strain Estimation of CFRP-Confined Concrete Columns Using Energy Approach. <i>Journal of Composites for Construction</i> , 2013, 17, .	1.7	28
77	Maximum usable strain of FRP-confined concrete. <i>Construction and Building Materials</i> , 2015, 83, 119-127.	3.2	28
78	Concrete Filled Carbon FRP Tube (CFRP-CFFT) columns with and without CFRP reinforcing bars: Axial-flexural interactions. <i>Composites Part B: Engineering</i> , 2018, 133, 42-52.	5.9	28
79	Interface bond performance of steel fibre embedded in magnesium phosphate cementitious composite. <i>Construction and Building Materials</i> , 2018, 185, 648-660.	3.2	28
80	Retrofitting of shear failed reinforced concrete beams. <i>Composite Structures</i> , 2003, 62, 1-6.	3.1	27
81	Normalized Confinement Stiffness Approach for Modeling FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2012, 16, 520-528.	1.7	27
82	Geometric Design Optimization for Dynamic Response Problems of Continuous Reinforced Concrete Beams. <i>Journal of Computing in Civil Engineering</i> , 2014, 28, 202-209.	2.5	27
83	Eccentrically Loaded FRP Confined Concrete with Different Wrapping Schemes. <i>Journal of Composites for Construction</i> , 2018, 22, .	1.7	27
84	Influence of the Location of CFRP Strips on the Behaviour of Partially Wrapped Square Reinforced Concrete Columns under Axial Compression. <i>Structures</i> , 2018, 15, 131-137.	1.7	27
85	Performance of CFRP Wrapped Square Reinforced Concrete Columns Subjected to Eccentric Loading. <i>Procedia Engineering</i> , 2013, 54, 365-376.	1.2	26
86	A new empirical model for shear strength of reinforced concrete beamâ€“column connections. <i>Magazine of Concrete Research</i> , 2014, 66, 514-530.	0.9	26
87	Numerical analysis of circular double-skin concrete-filled stainless steel tubular short columns under axial loading. <i>Structures</i> , 2020, 24, 754-765.	1.7	26
88	Behaviour of circularized and FRP wrapped hollow concrete specimens under axial compressive load. <i>Composite Structures</i> , 2017, 171, 538-548.	3.1	25
89	Nonlinear analysis of circular high strength concrete-filled stainless steel tubular slender beam-columns. <i>Engineering Structures</i> , 2017, 130, 1-13.	2.6	25
90	Numerical simulations of circular high strength concrete-filled aluminum tubular short columns incorporating new concrete confinement model. <i>Thin-Walled Structures</i> , 2020, 147, 106492.	2.7	25

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91	Experimental study of the effect of graphene on properties of ambient-cured slag and fly ash-based geopolymer paste and mortar. <i>Construction and Building Materials</i> , 2021, 313, 125403.	3.2	25
92	Using fibres to enhance the properties of concrete columns. <i>Construction and Building Materials</i> , 2007, 21, 118-125.	3.2	24
93	Experimental Study on FRP Tube Reinforced Concrete Columns under Different Loading Conditions. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	24
94	Mechanical behaviour of micro-fine steel fibre reinforced sulphoaluminate cement composite. <i>Construction and Building Materials</i> , 2018, 170, 91-100.	3.2	23
95	Experimental and numerical investigations of eccentrically loaded rectangular concrete-filled double steel tubular columns. <i>Journal of Constructional Steel Research</i> , 2020, 167, 105949.	1.7	23
96	Computational simulation of eccentrically loaded circular thin-walled concrete-filled double steel tubular slender columns. <i>Engineering Structures</i> , 2020, 213, 110571.	2.6	23
97	Conceptual design optimization of rectilinear building frames: A knapsack problem approach. <i>Engineering Optimization</i> , 2015, 47, 1303-1323.	1.5	22
98	The effects of CFRP orientation on the strengthening of reinforced concrete structures. <i>Structural Design of Tall and Special Buildings</i> , 2016, 25, 759-784.	0.9	22
99	Bond-slip behaviour between GFRP I-section and concrete. <i>Composites Part B: Engineering</i> , 2017, 130, 76-89.	5.9	22
100	Load and Moment Interaction Diagram for Circular Concrete Columns Reinforced with GFRP Bars and GFRP Helices. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	22
101	Investigating the optimal passive and active vibration controls of adjacent buildings based on performance indices using genetic algorithms. <i>Engineering Optimization</i> , 2015, 47, 265-286.	1.5	21
102	Effect of Using GFRP Reinforcement on the Behavior of Hollow-Core Circular Concrete Columns. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	21
103	Local buckling of steel plates in concrete-filled steel tubular columns at elevated temperatures. <i>Engineering Structures</i> , 2018, 168, 108-118.	2.6	20
104	Numerical analysis of axially loaded rectangular concrete-filled steel tubular short columns at elevated temperatures. <i>Engineering Structures</i> , 2019, 180, 89-102.	2.6	20
105	Effect of geogrid reinforcement on the flexural behaviour of concrete pavements. <i>Road Materials and Pavement Design</i> , 2019, 20, 1005-1025.	2.0	20
106	Performance Comparison between an MRF Damper and an MRE Isolator Incorporated with a Building Structure. <i>Applied Mechanics and Materials</i> , 0, 37-38, 862-865.	0.2	19
107	Nonlinear analysis of square concrete-filled double steel tubular slender columns incorporating preload effects. <i>Engineering Structures</i> , 2020, 207, 110272.	2.6	19
108	Incorporation of graphene in slag-fly ash-based alkali-activated concrete. <i>Construction and Building Materials</i> , 2022, 322, 126417.	3.2	19

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109	Behaviour of fibre-reinforced RPC columns under different loading conditions. <i>Construction and Building Materials</i> , 2017, 156, 293-306.	3.2	18
110	Experimental investigation of CFRP confined hollow core Reactive Powder Concrete columns. <i>Construction and Building Materials</i> , 2018, 174, 343-355.	3.2	18
111	Friction coefficient between FRP pultruded profiles and concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1.	1.3	18
112	Geogrid-confined pervious geopolymer concrete piles with FRP-PVC-confined concrete core: Concept and behaviour. <i>Construction and Building Materials</i> , 2019, 211, 12-25.	3.2	18
113	Optimum rigid pavement design by genetic algorithms. <i>Computers and Structures</i> , 2001, 79, 1617-1624.	2.4	17
114	NUMERICAL ANALYSIS OF CIRCULAR CONCRETE-FILLED STEEL TUBULAR SLENDER BEAM-COLUMNS WITH PRELOAD EFFECTS. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1250065.	1.5	17
115	Influence of geogrid on the drying shrinkage performance of concrete pavements. <i>Construction and Building Materials</i> , 2017, 146, 165-174.	3.2	16
116	New technique for strengthening square-reinforced concrete columns by the circularisation with reactive powder concrete and wrapping with fibre-reinforced polymer. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 1392-1403.	2.0	16
117	Numerical study of circular double-skin concrete-filled aluminum tubular stub columns. <i>Engineering Structures</i> , 2019, 197, 109418.	2.6	16
118	A New Method for Direct Tensile Testing of Concrete. <i>Journal of Testing and Evaluation</i> , 2019, 47, 704-718.	0.4	16
119	Behavior of biaxially-loaded rectangular concrete-filled steel tubular slender beam-columns with preload effects. <i>Thin-Walled Structures</i> , 2014, 79, 166-177.	2.7	15
120	Behaviour of Small Diameter Steel Tubes Under Axial Compression. <i>Structures</i> , 2017, 11, 155-163.	1.7	15
121	Shear strength model of reinforced-concrete exterior joint under cyclic loading. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017, 170, 603-617.	0.4	15
122	Performance evaluation of intermittently CFRP wrapped square and circularised square reinforced concrete columns under different loading conditions. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 696-710.	2.0	15
123	Behavior of axially loaded plain and <sc>fiberâ€reinforced</sc> geopolymer concrete columns with glass fiberâ€reinforced polymer cages. <i>Structural Concrete</i> , 2021, 22, 1800-1816.	1.5	15
124	Quality Evaluation Tests for Tensile Strength of Reactive Powder Concrete. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	14
125	Nonuniform CFRP Wrapping to Prevent Sudden Failure of FRP Confined Square RC Columns. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	14
126	Behavior of circular concrete-filled double steel tubular slender beam-columns including preload effects. <i>Engineering Structures</i> , 2020, 220, 111010.	2.6	14

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127	Behavior of GFRP bar reinforced geopolymer concrete filled GFRP tube columns under different loading conditions. Structures, 2021, 33, 1633-1644.	1.7	14
128	Biaxially loaded high-strength concrete-filled steel tubular slender beam-columns, part II: Parametric study. Journal of Constructional Steel Research, 2015, 110, 200-207.	1.7	13
129	Analytical investigation on the behavior of circular and square RC columns strengthened with RPC and wrapped with FRP under uniaxial compression. Journal of Building Engineering, 2019, 25, 100833.	1.6	13
130	Pullout Behaviour of Different Types of Steel Fibres Embedded in Magnesium Phosphate Cementitious Matrix. International Journal of Concrete Structures and Materials, 2019, 13, .	1.4	13
131	New Building Scheme to Resist Progressive Collapse. Journal of Architectural Engineering, 2012, 18, 324-331.	0.8	12
132	Effect of Different FRP Wrapping Arrangements on the Confinement Mechanism. Procedia Engineering, 2016, 142, 307-313.	1.2	12
133	Analytical investigation on the load-moment characteristics of GFRP bar reinforced circular NSC and HSC columns. Construction and Building Materials, 2018, 183, 605-617.	3.2	12
134	Experimental Study on RC Walls with Opening Strengthened by Externally Bonded CFRP. Journal of Composites for Construction, 2019, 23, .	1.7	12
135	High-strength steel plates in hybrid fiber-reinforced polymerâ€œconcreteâ€œsteel columns: Concept and behavior. Advances in Structural Engineering, 2017, 20, 797-811.	1.2	11
136	Influence of Steel Fibres on the Behaviour of RPC Circular Columns Under Different Loading Conditions. Structures, 2018, 14, 111-123.	1.7	11
137	Experimental results of circular FRP tube confined concrete (CFFT) and comparison with analytical models. Journal of Building Engineering, 2020, 29, 101157.	1.6	11
138	Analytical investigation on the load-moment interaction behavior of the FRP reinforced geopolymer concrete filled FRP tube circular columns. Journal of Building Engineering, 2021, 42, 102818.	1.6	11
139	Behavior of Steel Fiber-Reinforced High-Strength Concrete Columns under Different Loads. ACI Structural Journal, 2017, 114, .	0.3	11
140	Moment-Curvature Behavior of Glass Fiber-Reinforced Polymer Bar-Reinforced Normal-Strength Concrete and High-Strength Concrete Columns. ACI Structural Journal, 2019, 116, .	0.3	11
141	Dynamic analyses of adjacent buildings connected by fluid viscous dampers. WIT Transactions on the Built Environment, 2009, , .	0.0	11
142	Behavior of High-Strength Concrete Columns Reinforced with Galvanized Steel Equal-Angle Sections under Different Loading Conditions. Journal of Structural Engineering, 2018, 144, .	1.7	10
143	Concrete strength reduction due to over compaction. Construction and Building Materials, 2019, 197, 725-733.	3.2	10
144	Behaviour of square concrete filled FRP tube columns under concentric, uniaxial eccentric, biaxial eccentric and four-point bending loads. Thin-Walled Structures, 2021, 168, 108252.	2.7	10

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145	Behavior of Ambient Cured Geopolymer Concrete Columns under Different Loads. ACI Structural Journal, 2018, 115, .	0.3	10
146	Rehabilitating destructed reinforced concrete T connections by steel straps. Construction and Building Materials, 2011, 25, 851-858.	3.2	9
147	Behaviour of high strength concrete reinforced with different types of steel fibres. Australian Journal of Structural Engineering, 2017, 18, 254-261.	0.4	9
148	Stress-Strain Relationship of Unconfined RPC Reinforced with Steel Fibers under Compression. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	9
149	Geogrid-confined pervious geopolymer concrete piles with FRP-PVC-confined concrete core: Analytical models. Structures, 2020, 23, 731-738.	1.7	9
150	Failure envelopes of square and circularized RC columns discretely confined with CFRP. Construction and Building Materials, 2020, 261, 119937.	3.2	9
151	Investigation of BFRP bar reinforced geopolymer concrete filled BFRP tube columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2022, 175, 628-643.	0.4	9
152	Behavior of GFRP bar-reinforced hollow-core polypropylene fiber and glass fiber concrete columns under axial compression. Journal of Building Engineering, 2021, 44, 103245.	1.6	9
153	Fiber-based computational modeling of rectangular double-skin concrete-filled steel tubular short columns including local buckling. Engineering Structures, 2021, 248, 113268.	2.6	9
154	Inelastic stability analysis of high strength rectangular concrete-filled steel tubular slender beam-columns. Interaction and Multiscale Mechanics, 2012, 5, 91-104.	0.4	9
155	Axial compressive behaviour of circular CFFT: Experimental database and design-oriented model. Steel and Composite Structures, 2016, 21, 921-947.	1.3	9
156	Experimental Investigation on Using Mesh as Confinement Materials for High Strength Concrete Columns. Procedia Engineering, 2011, 14, 2848-2855.	1.2	8
157	Fiber element simulation of interaction behavior of local and global buckling in axially loaded rectangular concrete-filled steel tubular slender columns under fire exposure. Thin-Walled Structures, 2019, 145, 106403.	2.7	8
158	Experimental evaluation of tensile strength test methods for steel fibre-reinforced concrete. Magazine of Concrete Research, 2019, 71, 385-394.	0.9	8
159	Effect of geogrid reinforcement on the drying shrinkage and thermal expansion of geopolymer concrete. Structural Concrete, 2020, 21, 1029-1039.	1.5	8
160	Numerical analysis of rectangular double-skin concrete-filled steel tubular slender columns incorporating interaction buckling. Engineering Structures, 2021, 245, 112960.	2.6	8
161	<i>P-M</i> Interactions of Geopolymer Concrete Column Reinforced with and without Steel Fiber. ACI Structural Journal, 2020, 117, .	0.3	8
162	Experimental Study of GFRP-Reinforced Geopolymer Concrete Columns under Different Loading Conditions. Journal of Composites for Construction, 2021, 25, .	1.7	8

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163	Helically reinforced HSC beams reinforced with high strength steel. International Journal of Materials and Product Technology, 2005, 23, 138.	0.1	7
164	Behaviour of high strength axially loaded concrete columns confined with helices. Construction and Building Materials, 2005, 19, 135-140.	3.2	7
165	Continuous bounded controllers for active control of structures. Computers and Structures, 2006, 84, 798-807.	2.4	7
166	Behaviour of Reinforced Concrete Columns Wrapped with Fibre Reinforced Polymer Under Eccentric Loads. Australian Journal of Structural Engineering, 2010, 10, 169-178.	0.4	7
167	Behavior of Self-Compacting Concrete Columns Reinforced Longitudinally with Steel Tubes. Journal of Structural Engineering, 2017, 143, .	1.7	7
168	Predicting strength and strain enhancement ratios of circular fiber-reinforced polymer tube confined concrete under axial compression using artificial neural networks. Advances in Structural Engineering, 2019, 22, 1426-1443.	1.2	7
169	Flexural fatigue behaviour of geogrid reinforced concrete pavements. Construction and Building Materials, 2020, 249, 118762.	3.2	7
170	Strain model for discretely FRP confined concrete based on energy balance principle. Engineering Structures, 2021, 241, 112489.	2.6	7
171	Optimum Column Layout Design of Reinforced Concrete Frames Under Wind Loading. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 327-340.	0.3	7
172	Behavior of hollow concrete-filled rectangular GFRP tube beams under bending. Composite Structures, 2022, 286, 115348.	3.1	7
173	Flexural strengthening of RC beams with NSM-GFRP technique incorporating innovative anchoring system. Structures, 2022, 38, 251-264.	1.7	7
174	The effect of helical pitch on the behaviour of helically confined HSC beams. Construction and Building Materials, 2008, 22, 771-780.	3.2	6
175	Bond behaviour of steel plate reinforced concrete beams. Construction and Building Materials, 2018, 189, 751-756.	3.2	6
176	Axial Load-Axial Deformation Behaviour of SCC Columns Reinforced with Steel Tubes. Structures, 2018, 15, 259-269.	1.7	6
177	Fire-Resistance of Eccentrically Loaded Rectangular Concrete-Filled Steel Tubular Slender Columns Incorporating Interaction of Local and Global Buckling. International Journal of Structural Stability and Dynamics, 2019, 19, 1950085.	1.5	6
178	Axial Compressive Behavior of Steel Equal Angle Section-Reinforced Square High-Strength Concrete Column. ACI Structural Journal, 2018, 115, .	0.3	6
179	Displacement Ductility of Helically Confined HSC Beams. Open Construction and Building Technology Journal, 2008, 2, 270-279.	0.3	6
180	Cyclic Performance of GFRP-RC T-Connections with Different Anchorage and Connection Details. Journal of Composites for Construction, 2022, 26, .	1.7	6

#	ARTICLE	IF	CITATIONS
181	Optimum Spans™ Lengths of Multi-span Reinforced Concrete Beams Under Dynamic Loading. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 353-361.	0.3	5
182	Behavior of Concrete Beams Reinforced with Steel Plates. ACI Structural Journal, 2018, 1115, .	0.3	5
183	Experimental Investigation on the Behavior of Hollow-Core Glass Fiber-Reinforced Concrete Columns with GFRP Bars. Journal of Composites for Construction, 2022, 26, .	1.7	5
184	Numerical study on shear strength of GFRP-RC T-Joints. Structures, 2022, 43, 926-943.	1.7	5
185	Hybrid Base Isolation-Passive Mass Damper Systems. , 2000, , 279.		4
186	Cost Optimization of Column Layout Design of Reinforced Concrete Buildings. , 2013, , 129-146.		4
187	Analytical load-moment (P-M) interaction diagrams of GFRP bar reinforced circular geopolymer concrete columns. Structures, 2021, 34, 2445-2454.	1.7	4
188	Longitudinal Reinforcement Limits for Fiber-Reinforced Polymer Reinforced Concrete Members. ACI Structural Journal, 2017, 114, .	0.3	4
189	Effects of Fabrication Technique on Tensile Properties of Fiber Reinforced Polymer. Journal of Testing and Evaluation, 2017, 45, 1524-1534.	0.4	4
190	Seismic history analysis of asymmetrical adjacent buildings with soil-structure interaction consideration. , 2011, , .		4
191	Use of helices for enhancing the properties of reinforced concrete beams. International Journal of Materials and Product Technology, 2003, 19, 247.	0.1	3
192	A New Cable System to Prevent Progressive Collapse of Reinforced Concrete Buildings. , 2012, , .		3
193	Behaviour of carbon fibre reinforced polymer-confined hollow circular concrete columns with inner polyvinyl chloride tube. Advances in Structural Engineering, 2018, 21, 1120-1133.	1.2	3
194	Behaviour of small-diameter self-compacting concrete-filled steel tubes. Magazine of Concrete Research, 2018, 70, 811-821.	0.9	3
195	Nonlinear post-fire simulation of concentrically loaded rectangular thin-walled concrete-filled steel tubular short columns accounting for progressive local buckling. Thin-Walled Structures, 2019, 145, 106423.	2.7	3
196	Stress-Strain Behavior of Helically Confined RPC Columns Reinforced with Steel Fibers under Concentric Loading. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	3
197	Analysis of concrete columns with high-performance concrete jackets and polymer wraps. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2022, 175, 657-668.	0.4	3
198	Tensile Testing of Carbon FRP (CFRP) and Glass FRP (GFRP) Bars: An Experimental Study. Journal of Testing and Evaluation, 2021, 49, 2035-2050.	0.4	3

#	ARTICLE	IF	CITATIONS
199	Axial and Flexural Behavior of High-Strength Concrete Square Columns Laterally Reinforced with a New System of CFRP Tube Ties. <i>Journal of Composites for Construction</i> , 2022, 26, .	1.7	3
200	Ultimate strain prediction of partially FRP confined concrete considering strain localization. <i>Construction and Building Materials</i> , 2022, 346, 128486.	3.2	3
201	Axial-flexural interaction diagram of RPC columns reinforced with steel fibres. <i>Structures</i> , 2019, 19, 499-506.	1.7	2
202	Experimental and analytical investigations on the effectiveness of non-uniform CFRP wrapping on circularised RC columns. <i>Structure and Infrastructure Engineering</i> , 0, , 1-16.	2.0	2
203	Influence of Geogrid Reinforcement on the Drying Shrinkage of High-Strength Concrete Pavements. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020, 146, 04020032.	0.8	2
204	Effect of geogrid reinforcement on the strains at compressive zone of concrete pavements. <i>Structural Concrete</i> , 2021, 22, 109-119.	1.5	2
205	Behaviour of FRP confined concrete cylinders under different temperature exposure. <i>Bridge Maintenance, Safety and Management</i> , 2012, , 1187-1192.	0.1	2
206	Comparative behaviour of FRP confined square concrete columns under eccentric loading. <i>Bridge Maintenance, Safety and Management</i> , 2012, , 1207-1214.	0.1	2
207	PERFORMANCE OF HIGH STRENGTH CONCRETE COLUMNS REINFORCED WITH HYBRID STEEL FIBER UNDER DIFFERENT LOADING CONDITIONS. <i>Proceedings of International Structural Engineering and Construction</i> , 2016, 3, .	0.1	2
208	Experimental investigation on the use of glass fiber reinforced polymer reinforcement in hollowâ€œcore circular concrete columns. <i>Structural Concrete</i> , 2022, 23, 876-894.	1.5	2
209	The manipulation of engineering design calculations by a calculation processing system: 1. Theory. <i>Computers and Structures</i> , 1995, 57, 737-744.	2.4	1
210	Theory Based Sensitivity Analysis and Damage Detection of Steel Roof Sheeting for Hailstone Impact. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013, , 243-252.	0.3	1
211	Flexural Behavior of Reinforced Concrete Beams Reinforced with Glass Fiber Reinforced Polymer Rectangular Tubes. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	1
212	Experimental investigation of FRP wrapped RC circular and square hollow columns. , 2009, , .		1
213	The Effect of Nano-SiO ₂ , Nano-Al ₂ O ₃ , and Nano-Fe ₂ O ₃ on the Compressive Strength and Workability of Magnesium Phosphate Cement-Based Mortar. <i>Advances in Civil Engineering Materials</i> , 2019, 8, 20190014.	0.2	1
214	STRENGTH ANALYSIS OF SHEARED BEAMS RETROFITTED WITH STRENGTHENING MATERIALS. , 2003, , .		1
215	Effects of Earthquake on Structures. , 2017, , 1-22.		1
216	P-M Interactions of Self-Consolidating Concrete Columns Reinforced with Steel Tubes. <i>ACI Structural Journal</i> , 2019, 116, .	0.3	1

#	ARTICLE	IF	CITATIONS
217	Influence of Polypropylene and Glass Fibers on Alkali- Activated Slag/Fly Ash Concrete. ACI Structural Journal, 2020, 117, .	0.3	1
218	Influence of geogrid reinforcement on the thermal expansion of reactive powder concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2023, 176, 186-197.	0.7	1
219	A Design Chart for the Design of Flexible Pavements Based on Finite Elements. , 0, , .		1
220	A Methodology for Cost Optimization of the Layout Design of Multi-Span Reinforced Concrete Beams. , 0, , .		1
221	Behaviour of High Strength Concrete Columns under Eccentric Loading. , 0, , .		1
222	The manipulation of engineering design calculations by a calculation processing system: llâ€”Implementation. Computers and Structures, 1996, 59, 191-193.	2.4	0
223	Designing Flexible Pavements by Finite Elements. , 2000, , 1503.		0
224	INVESTIGATION OF FIBRE REINFORCING THE COVER OF CONCRETE COLUMNS. , 2005, , 495-504.		0
225	Strengthening reinforced concrete T connections by steel straps. , 2008, , 565-570.		0
226	Strengthening Square Reinforced Concrete Columns by Shape Modification and CFRP. , 2013, , .		0
227	Closure to â€œGeometric Design Optimization for Dynamic Response Problems of Continuous Reinforced Concrete Beamsâ€”by P. Sharafi, M. N. S. Hadi, and Lip H. Teh. Journal of Computing in Civil Engineering, 2015, 29, 07014003.	2.5	0
228	DISCRETE OPTIMIZATION OF TRUSS STRUCTURES WITH GEOMETRICALLY NON-LINEAR BEHAVIOUR USING GENETIC ALGORITHMS. , 2002, , .		0
229	OPTIMUM DESIGN OF REINFORCED CONCRETE STRUCTURES USING NEURAL NETWORKS. , 2002, , .		0
230	EXTERNALLY CONFINED HIGH STRENGTH CONCRETE COLUMNS UNDER ECCENTRIC LOADING. , 2003, , .		0
231	Experimental testing of helically confined high-strength concrete beams. Structural Concrete, 2005, 6, 43-48.	1.5	0
232	Sizing Optimization of Trapezoidal Corrugated Roof Sheeting, Supporting Solar Panels, Under Wind Loading. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 535-542.	0.3	0
233	BEHAVIOR OF HYBRID STEEL FIBER REINFORCED HIGH STRENGTH CONCRETE. Proceedings of International Structural Engineering and Construction, 2016, 3, .	0.1	0
234	Results in Frequency and Time Domains. , 2017, , 127-171.		0

#	ARTICLE	IF	CITATIONS
235	Optimum Design Examples. , 2017, , 183-207.		0
236	Mathematical Modelling of Adjacent Buildings under Earthquake Loading. , 2017, , 23-45.		0
237	Genetic Algorithms for Single and Multi-Objective Optimisation Problems. , 2017, , 80-96.		0
238	Verification of the Approximate and Rigorous Models for Adjacent Buildings of Different Dimensions. , 2017, , 97-110.		0
239	Algorithms for Designing Optimal Control Force. , 2017, , 63-79.		0
240	Seismic Isolation and Energy-dissipating Devices. , 2017, , 46-62.		0
241	Results for Optimum Placement of Dampers. , 2017, , 172-182.		0
242	Experimental and Analytical Investigations of Geopolymer Concrete Filled Frp Tubes Under Axial Compression. SSRN Electronic Journal, 0, , .	0.4	0
243	Continuous Unidirectional Carbon Fibre-Reinforced Concrete Beams. , 0, , .		0
244	Modelling of High Strength Concrete Reinforced with Helical Reinforcement. , 0, , .		0
245	Determination of Prestressing Forces in Statically Indeterminate Structures. , 0, , .		0
246	Application of Genetic Algorithms for the Optimum Design of Rigid Pavements. , 0, , .		0
247	Active Vibration Control Designs of Civil Structures using Real Coded Genetic Algorithms. , 0, , .		0
248	Optimum Design of Reinforced Concrete Continuous Beams by Genetic Algorithms. , 0, , .		0
249	A Study on the Effect of Static and Cyclic Loading and Linear and Non-Linear Material Properties in the Analysis of Flexible Pavements by Finite Element Modelling. , 0, , .		0
250	Development of Matrix Method Based Structural Analysis Toolbox in Matlab. , 0, , .		0
251	Optimum Design and Performance of Multi Tuned Mass Damper Systems. , 0, , .		0
252	Continuous Bounded Controller for Active Control of Structures. , 0, , .		0

#	ARTICLE	IF	CITATIONS
253	Discrete Optimum Design of Geometrically Non-Linear Trusses using Genetic Algorithms. , 0, , .		0
254	A Novel Formulation for Optimum Conceptual Design of Buildings of Rectangular Shapes. , 0, , .		0
255	Seismic Modal Response Histories of Two-Way Asymmetric Adjacent Buildings with Soil-Structure Interaction Effects Subject to Earthquake Excitations. , 0, , .		0
256	Supplemental Hydraulic Dampers for Buildings. , 0, , .		0
257	Preventing the Progressive Collapse of Reinforced Concrete Buildings. , 0, , .		0