

Riadh Al-Mahaidi

List of Publications by Year in descending order

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178
papers

5,240
citations

70961

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all docs

184
docs citations

184
times ranked

1965
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of fatigue crack growth behaviour in adhesively reinforced steel structures. Composite Structures, 2009, 90, 12-20.	3.1	162
2	Bond-slip models for double strap joints strengthened by CFRP. Composite Structures, 2010, 92, 2137-2145.	3.1	156
3	Bond characteristics between ultra high modulus CFRP laminates and steel. Thin-Walled Structures, 2012, 51, 147-157.	2.7	154
4	Mechanical characterization of steel/CFRP double strap joints at elevated temperatures. Composite Structures, 2011, 93, 1604-1612.	3.1	152
5	Durability of steel/CFRP double strap joints exposed to sea water, cyclic temperature and humidity. Composite Structures, 2012, 94, 1834-1845.	3.1	142
6	Experimental and finite element analysis of a double strap joint between steel plates and normal modulus CFRP. Composite Structures, 2006, 75, 156-162.	3.1	140
7	Experimental investigation into flexural retrofitting of reinforced concrete bridge beams using FRP composites. Composite Structures, 2004, 66, 617-625.	3.1	121
8	Strengthening of circular hollow steel tubular sections using high modulus CFRP sheets. Construction and Building Materials, 2007, 21, 839-845.	3.2	106
9	Prediction of fatigue life for CFRP-strengthened steel plates. Thin-Walled Structures, 2009, 47, 1069-1077.	2.7	104
10	Prediction Models for Debonding Failure Loads of Carbon Fiber Reinforced Polymer Retrofitted Reinforced Concrete Beams. Journal of Composites for Construction, 2006, 10, 48-59.	1.7	94
11	Effects of ultraviolet radiation and associated elevated temperature on mechanical performance of steel/CFRP double strap joints. Composite Structures, 2012, 94, 3563-3573.	3.1	94
12	Experimental investigation of bond characteristics between CFRP fabrics and steel plate joints under impact tensile loads. Composite Structures, 2012, 94, 510-518.	3.1	92
13	Mechanical characterisation of the dynamic tensile properties of CFRP sheet and adhesive at medium strain rates. Composite Structures, 2013, 96, 153-164.	3.1	89
14	CFRP strengthened RHS subjected to transverse end bearing force. Engineering Structures, 2006, 28, 1555-1565.	2.6	86
15	Effect of CFRP properties, on the bond characteristics between steel and CFRP laminate under quasi-static loading. Construction and Building Materials, 2015, 98, 489-501.	3.2	79
16	A state-of-the-art review: Near-surface mounted FRP composites for reinforced concrete structures. Construction and Building Materials, 2019, 209, 748-769.	3.2	76
17	Effect of fatigue loading on the bond behaviour between UHM CFRP plates and steel plates. Composites Part B: Engineering, 2013, 50, 344-353.	5.9	75
18	Prestressed CFRP-strengthening and long-term wireless monitoring of an old roadway metallic bridge. Engineering Structures, 2018, 176, 585-605.	2.6	71

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19	Compressive behaviour of concrete-filled double-skin sections consisting of corrugated plates. <i>Engineering Structures</i> , 2016, 111, 467-477.	2.6	70
20	Coupled flexural–shear retrofitting of RC beams using CFRP straps. <i>Composite Structures</i> , 2006, 75, 457-464.	3.1	69
21	Fatigue Tests of Cracked Steel Plates Strengthened with UHM CFRP Plates. <i>Advances in Structural Engineering</i> , 2012, 15, 1801-1815.	1.2	68
22	Strengthening of a 19th-century roadway metallic bridge using nonprestressed bonded and prestressed unbonded CFRP plates. <i>Construction and Building Materials</i> , 2019, 209, 240-259.	3.2	68
23	EFFECT OF FATIGUE LOADING ON BOND STRENGTH BETWEEN CFRP SHEETS AND STEEL PLATES. <i>International Journal of Structural Stability and Dynamics</i> , 2010, 10, 1-20.	1.5	67
24	Finite element modelling of CFRP/steel double strap joints subjected to dynamic tensile loadings. <i>Composite Structures</i> , 2013, 99, 48-61.	3.1	66
25	Effect of Dynamic Loading and Environmental Conditions on the Bond between CFRP and Steel: State-of-the-Art Review. <i>Journal of Composites for Construction</i> , 2014, 18, .	1.7	66
26	Modelling of CFRP-concrete shear-lap tests. <i>Construction and Building Materials</i> , 2007, 21, 727-735.	3.2	64
27	Effect of crack orientation on fatigue behavior of CFRP-strengthened steel plates. <i>Composite Structures</i> , 2016, 152, 295-305.	3.1	64
28	Effect of prestressed CFRP patches on crack growth of centre-notched steel plates. <i>Composite Structures</i> , 2015, 123, 109-122.	3.1	59
29	Tests on Cracked Steel Plates with Different Damage Levels Strengthened by CFRP Laminates. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1450018.	1.5	58
30	Bond behaviour between CFRP laminates and steel members under different loading rates. <i>Composite Structures</i> , 2016, 148, 236-251.	3.1	55
31	Effect of Elevated Temperature on Bond Behaviour of High Modulus CFRP/Steel Double-Strap Joints. <i>Australian Journal of Structural Engineering</i> , 2009, 10, 63-74.	0.4	54
32	Experimental Investigation on Torsional Behavior of Solid and Box-Section RC Beams Strengthened with CFRP Using Photogrammetry. <i>Journal of Composites for Construction</i> , 2006, 10, 321-329.	1.7	53
33	Dynamic bond strength between CFRP sheet and steel. <i>Composite Structures</i> , 2012, 94, 3258-3270.	3.1	53
34	Time-dependent behaviour of steel/CFRP double strap joints subjected to combined thermal and mechanical loading. <i>Composite Structures</i> , 2012, 94, 1826-1833.	3.1	53
35	Assessment of available prediction models for the strength of FRP retrofitted RC beams. <i>Composite Structures</i> , 2004, 66, 601-610.	3.1	51
36	Linking seismic resilience into sustainability assessment of limited-ductility RC buildings. <i>Engineering Structures</i> , 2019, 188, 121-136.	2.6	51

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37	An experimental and numerical investigation on torsional strengthening of solid and box-section RC beams using CFRP laminates. <i>Composite Structures</i> , 2006, 75, 213-221.	3.1	50
38	Durability of CFRP strengthened steel plate double-strap joints in accelerated corrosion environments. <i>Composite Structures</i> , 2017, 160, 1287-1298.	3.1	49
39	Boundary element analysis of CFRP reinforced steel plates. <i>Composite Structures</i> , 2009, 91, 74-83.	3.1	46
40	Curing effects on steel/CFRP double strap joints under combined mechanical load, temperature and humidity. <i>Construction and Building Materials</i> , 2013, 40, 899-907.	3.2	46
41	Effect of ultra-high strength steel on mitigation of non-ductile yielding of concrete-filled double-skin columns. <i>Construction and Building Materials</i> , 2017, 147, 736-749.	3.2	42
42	Durability of the Bond between CFRP Plates and Concrete Exposed to Harsh Environments. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	41
43	Fatigue tests on UHM-CFRP strengthened steel plates with central inclined cracks under different damage levels. <i>Composite Structures</i> , 2017, 160, 995-1006.	3.1	40
44	Analysis of Test Specimens for Cohesive Near-Bond Failure of Fiber-Reinforced Polymer-Plated Concrete. <i>Journal of Composites for Construction</i> , 2004, 8, 528-538.	1.7	38
45	Flat prestressed unbonded retrofit system for strengthening of existing metallic I-Girders. <i>Composites Part B: Engineering</i> , 2018, 155, 156-172.	5.9	38
46	Stub column tests of fabricated square and triangular sections utilizing very high strength steel tubes. <i>Journal of Constructional Steel Research</i> , 2004, 60, 1637-1661.	1.7	36
47	Investigation of the parameters that influence the accuracy of bond defect detection in CFRP bonded specimens using IR thermography. <i>Composite Structures</i> , 2012, 94, 519-531.	3.1	36
48	Determination of Steel Emissivity for the Temperature Prediction of Structural Steel Members in Fire. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 167-173.	1.3	36
49	Experimental and numerical study of the behaviour of heat-damaged RC circular columns confined with CFRP fabric. <i>Composite Structures</i> , 2015, 133, 679-690.	3.1	35
50	Experimental and numerical study of strengthening of heat-damaged RC beams using NSM CFRP strips. <i>Construction and Building Materials</i> , 2017, 154, 899-913.	3.2	35
51	Torsional strengthening of RC beams using NSM CFRP rope and innovative adhesives. <i>Composite Structures</i> , 2018, 187, 190-202.	3.1	35
52	Web buckling of lightsteel beams strengthened with CFRP subjected to end-bearing forces. <i>Thin-Walled Structures</i> , 2009, 47, 1029-1036.	2.7	34
53	Shear strengthening of RC beams using NSM CFRP bonded using cement-based adhesive. <i>Construction and Building Materials</i> , 2021, 301, 124365.	3.2	34
54	Torsional Capacity of CFRP Strengthened Reinforced Concrete Beams. <i>Journal of Composites for Construction</i> , 2007, 11, 71-80.	1.7	33

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55	An efficiency framework for anchorage devices used to enhance the performance of FRP strengthened RC members. <i>Construction and Building Materials</i> , 2018, 191, 354-375.	3.2	33
56	Reliability analysis of bridge beams retrofitted with fibre reinforced polymers. <i>Composite Structures</i> , 2008, 82, 177-184.	3.1	32
57	Experimental investigation on the thermal and mechanical properties of nanoclay-modified adhesives used for bonding CFRP to concrete substrates. <i>Construction and Building Materials</i> , 2012, 28, 769-778.	3.2	32
58	Modified cement-based adhesive for near-surface mounted CFRP strengthening system. <i>Construction and Building Materials</i> , 2016, 124, 794-800.	3.2	32
59	Size-dependency of concrete-filled steel tubes subject to impact loading. <i>International Journal of Impact Engineering</i> , 2017, 100, 90-101.	2.4	32
60	Fatigue tests on steel plates with longitudinal weld attachment strengthened by ultra high modulus carbon fibre reinforced polymer plate. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 1027-1038.	1.7	31
61	Development of prestressed unbonded and bonded CFRP strengthening solutions for tensile metallic members. <i>Engineering Structures</i> , 2019, 181, 550-561.	2.6	31
62	Bond defect detection using PTT IRT in concrete structures strengthened with different CFRP systems. <i>Composite Structures</i> , 2014, 111, 13-19.	3.1	29
63	Fatigue life improvement of steel structures using self-prestressing CFRP/SMA hybrid composite patches. <i>Engineering Structures</i> , 2018, 174, 358-372.	2.6	28
64	Experimental and Numerical Study on Strengthening of Steel Members Subjected to Impact Loading Using Ultrahigh Modulus CFRP. <i>Journal of Composites for Construction</i> , 2016, 20, 04016044.	1.7	26
65	Performance of RC beams rehabilitated with NSM CFRP strips using innovative high-strength self-compacting cementitious adhesive (IHSSC-CA) made with graphene oxide. <i>Composite Structures</i> , 2017, 160, 392-407.	3.1	26
66	Engineering properties of CFRP laminate under high strain rates. <i>Composite Structures</i> , 2017, 180, 9-15.	3.1	25
67	Experimental investigation on the CFRP strengthening efficiency of steel plates with inclined cracks under fatigue loading. <i>Engineering Structures</i> , 2018, 172, 877-890.	2.6	25
68	Development and validation of multi-axis substructure testing system for full-scale experiments. <i>Australian Journal of Structural Engineering</i> , 2015, 16, 302-315.	0.4	24
69	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. <i>Journal of Structural Engineering</i> , 2017, 143, .	1.7	24
70	Experimental and numerical study into the punching shear strengthening of RC flat slabs using post-installed steel bolts. <i>Construction and Building Materials</i> , 2018, 188, 28-39.	3.2	24
71	Collapse Assessment of Reinforced Concrete Building Columns through Multi-Axis Hybrid Simulation. <i>ACI Structural Journal</i> , 2017, 114, .	0.3	24
72	Experimental evaluation of the dynamic bond strength between CFRP sheets and steel under direct tensile loads. <i>International Journal of Adhesion and Adhesives</i> , 2013, 40, 89-102.	1.4	23

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73	Strength of Cfrp-steel double strap joints under impact loads using genetic programming. Composite Structures, 2017, 160, 1205-1211.	3.1	23
74	Impact behaviour of carbon fibre reinforced polymer (CFRP) strengthened square hollow steel tubes: A numerical simulation. Thin-Walled Structures, 2018, 131, 245-257.	2.7	23
75	Longitudinal Fillet Welds in Thin-Walled C450 RHS Members. Journal of Structural Engineering, 1999, 125, 821-828.	1.7	22
76	Investigation of block shear tear-out failure in gusset-plate welded connections in structural steel hollow sections and very high strength tubes. Engineering Structures, 2007, 29, 469-482.	2.6	22
77	Bond behaviour between NSM CFRP strips and concrete substrate using single-lap shear testing with epoxy adhesive. Composite Structures, 2015, 132, 205-214.	3.1	22
78	Parametric study on the static compressive behaviour of concrete-filled double-skin sections consisting of corrugated plates. Thin-Walled Structures, 2016, 107, 526-542.	2.7	22
79	Bond behaviour of CFRP reinforcement for torsional strengthening of solid and box-section RC beams. Composites Part B: Engineering, 2007, 38, 720-731.	5.9	21
80	Bond Behavior between NSM CFRP Strips and Concrete Exposed to Elevated Temperature Using Cement-Based and Epoxy Adhesives. Journal of Composites for Construction, 2017, 21, .	1.7	20
81	Bond performance of NSM CFRP strips embedded in concrete using direct pull-out testing with cementitious adhesive made with graphene oxide. Construction and Building Materials, 2018, 162, 523-533.	3.2	20
82	Fabrication and characterization of nano-particles-enhanced epoxy. Composites Part B: Engineering, 2012, 43, 3076-3080.	5.9	19
83	Bond behaviour between NSM CFRP laminate and concrete using modified cement-based adhesive. Construction and Building Materials, 2016, 127, 284-292.	3.2	19
84	Fatigue performance of NSM CFRP strips embedded in concrete using innovative high-strength self-compacting cementitious adhesive (IHSSC-CA) made with graphene oxide. Composite Structures, 2017, 163, 44-62.	3.1	19
85	Performance of CFRP-steel joints enhanced with bi-directional CFRP fabric. Construction and Building Materials, 2019, 197, 72-82.	3.2	19
86	Bond behaviour between NSM CFRP strips and concrete substrate using single-lap shear testing with cement-based adhesives. Australian Journal of Structural Engineering, 2016, 17, 28-38.	0.4	18
87	Investigation of <sc>CNT</sc> modification of epoxy resin in <sc>CFRP</sc> strengthening systems. Polymer Composites, 2016, 37, 1021-1033.	2.3	18
88	Hybrid simulation of bridges constructed with concrete-filled steel tube columns subjected to horizontal and vertical ground motions. Bulletin of Earthquake Engineering, 2020, 18, 4453-4480.	2.3	18
89	Bond strength of concrete plugs embedded in tubular steel piles under cyclic loading. Canadian Journal of Civil Engineering, 2006, 33, 111-125.	0.7	17
90	Plastic mechanism analysis of fabricated square and triangular sections under axial compression. Thin-Walled Structures, 2007, 45, 135-148.	2.7	17

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91	Fe modelling of CFRP-concrete interface subjected to cyclic temperature, humidity and mechanical stress. <i>Composite Structures</i> , 2010, 92, 826-834.	3.1	17
92	A study of the use of high functionality-based resin for bonding between CFRP and concrete under harsh environmental conditions. <i>Composite Structures</i> , 2013, 95, 295-306.	3.1	17
93	Experimental study on the effect of flange geometry on the shear strength of reinforced concrete T-beams subjected to concentrated loads. <i>Canadian Journal of Civil Engineering</i> , 2002, 29, 911-918.	0.7	16
94	Investigation of shear lag failure in gusset-plate welded structural steel hollow section connections. <i>Journal of Constructional Steel Research</i> , 2007, 63, 293-304.	1.7	15
95	Defect size measurement and far distance infrared detection in CFRP-concrete and CFRP-steel systems. <i>Australian Journal of Structural Engineering</i> , 2016, 17, 2-13.	0.4	15
96	CFRP confinement of circular concrete columns affected by alkali-aggregate reaction. <i>Construction and Building Materials</i> , 2016, 116, 98-109.	3.2	15
97	Performance of heat-damaged partially-insulated RC beams strengthened with NSM CFRP strips and epoxy adhesive. <i>Construction and Building Materials</i> , 2018, 159, 617-634.	3.2	15
98	Effect of Impact Tensile Load on Strength of CFRP Bonded Steel Plate Joints. <i>Procedia Engineering</i> , 2011, 14, 1312-1317.	1.2	14
99	Fatigue performance of near-surface mounted CFRP strips embedded in concrete girders using cementitious adhesive made with graphene oxide. <i>Construction and Building Materials</i> , 2017, 148, 632-647.	3.2	14
100	Assessment of residual strength of concrete girders rehabilitated using NSM CFRP with cementitious adhesive made with graphene oxide after exposure to fatigue loading. <i>Construction and Building Materials</i> , 2017, 153, 402-422.	3.2	14
101	Bond characteristics of CFRP-strengthened concrete members subjected to cyclic temperature and mechanical stress at low humidity. <i>Composite Structures</i> , 2017, 160, 1051-1059.	3.1	14
102	Evaluation of bond properties of degraded CFRP-strengthened double strap joints. <i>Composite Structures</i> , 2017, 173, 144-155.	3.1	13
103	Performance of NSM CFRP strengthened concrete using modified cement-based adhesive at elevated temperature. <i>Construction and Building Materials</i> , 2017, 132, 296-302.	3.2	13
104	Punching shear strengthening of RC slabs using L-CFRP laminates. <i>Engineering Structures</i> , 2019, 194, 274-289.	2.6	13
105	Finite Element Analysis (FEA) of Fabricated Square and Triangular Section Stub Columns Utilizing Very High Strength Steel Tubes. <i>Advances in Structural Engineering</i> , 2004, 7, 447-460.	1.2	12
106	Rational design analysis of stub columns fabricated using very high strength circular steel tubes. <i>Thin-Walled Structures</i> , 2005, 43, 445-460.	2.7	12
107	Effects of CFRP bond locations on the Mode I stress intensity factor of centre-cracked tensile steel plates. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 154-167.	1.7	12
108	MODE I STRESS INTENSITY FACTOR OF CENTER-CRACKED TENSILE STEEL PLATES WITH CFRP REINFORCEMENT. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1350005.	1.5	12

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109	Surfactant-Assisted Dispersion of MWCNTs in Epoxy Resin Used in CFRP Strengthening Systems. <i>Journal of Adhesion</i> , 2015, 91, 461-480.	1.8	12
110	Fatigue performance of NSM CFRP strips embedded in concrete using epoxy adhesive. <i>Composite Structures</i> , 2016, 154, 419-432.	3.1	12
111	Mitigation of IC debonding in FRP-plated concrete slabs using patch anchors. <i>Engineering Structures</i> , 2020, 214, 110626.	2.6	12
112	Load Distribution and Shear Strength Evaluation of an Old Concrete T-Beam Bridge. <i>Transportation Research Record</i> , 2000, 1696, 52-62.	1.0	11
113	Strengthening of slab-column connections against punching shear using FRP materials: state-of-the-art review. <i>Australian Journal of Structural Engineering</i> , 2018, 19, 188-206.	0.4	11
114	Behaviour of heat-damaged partially-insulated RC beams using NSM systems. <i>Construction and Building Materials</i> , 2018, 180, 211-228.	3.2	11
115	Investigation of thermo-mechanical properties of adhesive used for bonding CF fabrics to concrete members using post-curing techniques. <i>Composites Part B: Engineering</i> , 2012, 43, 2950-2959.	5.9	10
116	Effects of surface roughness and bond enhancing techniques on flexural performance of CFRP/concrete composites. <i>Composite Structures</i> , 2017, 178, 476-482.	3.1	10
117	An innovative I-beam to hybrid fabricated column connection: Experimental investigation. <i>Engineering Structures</i> , 2017, 148, 907-923.	2.6	10
118	A component-based model for innovative prefabricated beam-to-hybrid tubular column connections. <i>Thin-Walled Structures</i> , 2018, 132, 265-275.	2.7	10
119	Post-Tensioned Concrete Beams Strengthened in Shear Using Fiber-Reinforced Polymer Laminates and Patch Anchors. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	10
120	Behavior and Analysis of RC T-Beams Partially Damaged in Shear and Repaired with CFRP Laminates. , 2001, , 1.		9
121	Strength model for heat-damaged reinforced concrete circular columns confined with carbon fibre reinforced polymer fabrics. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 1833-1855.	1.6	9
122	Assessment of bond strength of NSM CFRP strips embedded in concrete using cementitious adhesive made with graphene oxide. <i>Construction and Building Materials</i> , 2017, 154, 504-513.	3.2	9
123	Performance of NSM FRP embedded in concrete under monotonic and fatigue loads: state-of-the-art review. <i>Australian Journal of Structural Engineering</i> , 2019, 20, 89-114.	0.4	9
124	Maintenance, monitoring, risk and life-cycle performance of bridges. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1-2.	2.0	8
125	Prediction of Concrete Cover Separation in Reinforced Concrete Beams Strengthened with FRP. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	8
126	A study of the practicality and performance of CFRP applications using post-curing at moderately elevated temperatures. <i>Composites Part B: Engineering</i> , 2013, 48, 140-157.	5.9	7

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127	Effect of Fabrication Method on Thermo-mechanical Properties of an Epoxy Composite. Journal of Adhesion, 2014, 90, 368-383.	1.8	7
128	Exterior post-tensioned band beam to column connections under earthquake loading. Australian Journal of Structural Engineering, 2016, 17, 14-27.	0.4	7
129	Modelling of NSM CFRP strips embedded in concrete after exposure to elevated temperature using epoxy adhesives. Construction and Building Materials, 2017, 148, 155-166.	3.2	7
130	An experimental investigation of the behaviour of heat-damaged RC columns confined with CFRP fabrics using photogrammetry. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	7
131	Assessing the Contribution of the CFRP Strip of Bearing the Applied Load Using Near-Surface Mounted Strengthening Technique with Innovative High-Strength Self-Compacting Cementitious Adhesive (IHSSC-CA). Polymers, 2018, 10, 66.	2.0	7
132	Multi-axis testing of concrete-filled steel tube columns forming ductile soft-story in multi-story buildings. Journal of Constructional Steel Research, 2021, 183, 106736.	1.7	7
133	Numerical analysis of multilayered CFRP retrofitted RC beams with partial interaction. Composite Structures, 2006, 75, 479-488.	3.1	6
134	Utilization of magnetic water in cementitious adhesive for near-surface mounted CFRP strengthening system. Construction and Building Materials, 2019, 197, 474-488.	3.2	6
135	Experimental and numerical study on wrapping concrete cylinders post heating and cooling under preload using CFRP fabrics. Structures, 2020, 23, 425-436.	1.7	6
136	Experimental Investigation of Curved-Soffit RC Bridge Girders Strengthened in Flexure Using CFRP Composites. Journal of Bridge Engineering, 2021, 26, .	1.4	6
137	Externally Bonded CFRP for Flexural Strengthening of RC Beams with Different Levels of Soffit Curvature. Journal of Composites for Construction, 2022, 26, .	1.7	6
138	Strain development in CFRP-wrapped circular concrete columns affected by alkali-aggregate reaction. Construction and Building Materials, 2016, 113, 603-612.	3.2	5
139	Bending moment and axial compression interaction of high capacity hybrid fabricated members. Thin-Walled Structures, 2017, 121, 89-99.	2.7	5
140	A comparative numerical study on the innovative I-beam to thin-walled hybrid fabricated column connection. Thin-Walled Structures, 2018, 127, 235-258.	2.7	5
141	Analysis of laterally loaded exterior wide beam-column connections. Magazine of Concrete Research, 2018, 70, 500-511.	0.9	5
142	Methods of Structural Rehabilitation and Strengthening. , 2018, , 7-13.		5
143	Fiber-Reinforced Polymers and Their Use in Structural Rehabilitation. , 2018, , 15-20.		5
144	Experimental study on crack propagation of CFRP-strengthened RC beams subjected to torsion. Australian Journal of Structural Engineering, 2018, 19, 279-297.	0.4	5

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145	Stability performance of thin-walled pultruded beams with geometric web-flange junction imperfections. <i>Journal of Building Engineering</i> , 2021, 33, 101549.	1.6	5
146	Heat transfer model for a cementitious-based insulation with moisture. <i>Fire and Materials</i> , 2014, 38, 550-558.	0.9	4
147	Modelling of near-surface mounted carbon fibre reinforced polymer strips embedded in concrete with cement-based adhesive. <i>Construction and Building Materials</i> , 2016, 127, 383-393.	3.2	4
148	Durability of carbon-fibre-reinforced polymer strands in ground anchors. <i>Environmental Geotechnics</i> , 2018, 5, 356-370.	1.3	4
149	Anchorage Systems Used in FRP Strengthening of Concrete Members. , 2018, , 877-886.		4
150	Experimental Study on Bond Behaviour between UHM CFRP Laminate and Steel. , 2011, , 890-893.		4
151	Multi-axis Substructure Testing System for Hybrid Simulation. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , .	0.2	4
152	Loss assessment of rigid-frame bridges under horizontal and vertical ground motions. <i>Structures</i> , 2022, 35, 243-259.	1.7	4
153	Modelling of NSM CFRP strips embedded in concrete using lap shear tests with epoxy adhesive. <i>Composite Structures</i> , 2016, 153, 662-672.	3.1	3
154	Finite element simulation of unbonded retrofitting system for a steel bridge in Australia. <i>Australian Journal of Structural Engineering</i> , 2021, 22, 29-41.	0.4	3
155	Flange Strain Measurement in Shear Critical RC T-Beams. <i>Advances in Structural Engineering</i> , 2006, 9, 491-505.	1.2	2
156	08.35: Compressive behavior of concrete filled double skin sections consisting of corrugated plates and ultra-high strength steel corner tubes. <i>Ce/Papers</i> , 2017, 1, 2120-2127.	0.1	2
157	Non-linear finite element analysis of prestressed T-beams strengthened with FRP laminates and patch anchors. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 691-707.	2.0	2
158	Temperature Effect on Adhesively Bonded CFRP and Steel Double Strap Joints. , 2011, , 877-880.		2
159	Tests and design of longitudinal fillet welds in very high strength (VHS) steel circular tubes. , 2002, , 245-252.		1
160	A Numerical Investigation of CFRP-Steel Interfacial Failure with Material Point Method. , 2010, , .		1
161	A Model-Based Simulation of CFRP-Steel Bond Failure Using the Material Point Method. <i>Advances in Structural Engineering</i> , 2011, 14, 777-787.	1.2	1
162	12.22: Seismic performance of high capacity hybrid beam-columns: Comprising of high strength steel tubes subjected to lateral cyclic loading. <i>Ce/Papers</i> , 2017, 1, 3661-3670.	0.1	1

#	ARTICLE	IF	CITATIONS
163	CFRP Strengthening and Long-Term Monitoring of an Old Metallic Roadway Bridge in Melbourne. , 2019, , .		1
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