Riadh Al-Mahaidi

List of Publications by Year
in descending order

178 papers	5,240 citations	70961 41 h-index	114278 63 g-index
184 all docs	184 docs citations	184 times ranked	1965 citing authors

#	Article	IF	Citations
1	Non-linear finite element analysis of prestressed T-beams strengthened with FRP laminates and patch anchors. Structure and Infrastructure Engineering, 2023, 19, 691-707.	2.0	2
2	Loss assessment of rigid-frame bridges under horizontal and vertical ground motions. Structures, 2022, 35, 243-259.	1.7	4
3	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
4	Hybrid Anchors in Reinforced Concrete Slabs Strengthened with FRP Sheets. Lecture Notes in Civil Engineering, 2022, , 1364-1372.	0.3	0
5	An Experimental Study on Concavely Curved Soffit Reinforced Concrete Beams Externally Bonded with FRP. Lecture Notes in Civil Engineering, 2022, , 78-86.	0.3	0
6	Stability performance of thin-walled pultruded beams with geometric web-flange junction imperfections. Journal of Building Engineering, 2021, 33, 101549.	1.6	5
7	Finite element simulation of unbonded retrofitting system for a steel bridge in Australia. Australian Journal of Structural Engineering, 2021, 22, 29-41.	0.4	3
8	Experimental Investigation of Curved-Soffit RC Bridge Girders Strengthened in Flexure Using CFRP Composites. Journal of Bridge Engineering, 2021, 26, .	1.4	6
9	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
10	Prediction of Concrete Cover Separation in Reinforced Concrete Beams Strengthened with FRP. Journal of Composites for Construction, 2021, 25, .	1.7	8
11	Shear strengthening of RC beams using NSM CFRP bonded using cement-based adhesive. Construction and Building Materials, 2021, 301, 124365.	3.2	34
12	Maintenance, monitoring, risk and life-cycle performance of bridges. Structure and Infrastructure Engineering, 2020, 16, 1-2.	2.0	8
13	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
14	Post-Tensioned Concrete Beams Strengthened in Shear Using Fiber-Reinforced Polymer Laminates and Patch Anchors. Journal of Composites for Construction, 2020, 24, .	1.7	10
15	Mitigation of IC debonding in FRP-plated concrete slabs using patch anchors. Engineering Structures, 2020, 214, 110626.	2.6	12
16	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
17	Punching shear strengthening of RC slabs using L-CFRP laminates. Engineering Structures, 2019, 194, 274-289.	2.6	13
18	Performance of NSM FRP embedded in concrete under monotonic and fatigue loads: state-of-the-art review. Australian Journal of Structural Engineering, 2019, 20, 89-114.	0.4	9

#	Article	IF	Citations
19	3D Collapse Simulation of Concrete-Filled Steel Tube Columns through Multi-Axis Cyclic and Hybrid Simulation. , 2019, , .		0
20	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
21	Strengthening of a 19th-century roadway metallic bridge using nonprestressed bonded and prestressed unbonded CFRP plates. Construction and Building Materials, 2019, 209, 240-259.	3.2	68
22	Linking seismic resilience into sustainability assessment of limited-ductility RC buildings. Engineering Structures, 2019, 188, 121-136.	2.6	51
23	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
24	Development of prestressed unbonded and bonded CFRP strengthening solutions for tensile metallic members. Engineering Structures, 2019, 181, 550-561.	2.6	31
25	Performance of CFRP-steel joints enhanced with bi-directional CFRP fabric. Construction and Building Materials, 2019, 197, 72-82.	3.2	19
26	CFRP Strengthening and Long-Term Monitoring of an Old Metallic Roadway Bridge in Melbourne. , 2019, , .		1
27	Strengthening of slabâ€“column connections against punching shear using FRP materials: state-of-the-art review. Australian Journal of Structural Engineering, 2018, 19, 188-206.	0.4	11
28	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
29	Torsional strengthening of RC beams using NSM CFRP rope and innovative adhesives. Composite Structures, 2018, 187, 190-202.	3.1	35
30	Analysis of laterally loaded exterior wide beamâ€“column connections. Magazine of Concrete Research, 2018, 70, 500-511.	0.9	5
31	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
32	Performance of heat-damaged partially-insulated RC beams strengthened with NSM CFRP strips and epoxy adhesive. Construction and Building Materials, 2018, 159, 617-634.	3.2	15
33	Durability of carbon-fibre-reinforced polymer strands in ground anchors. Environmental Geotechnics, 2018, 5, 356-370.	1.3	4
34	Methods of Structural Rehabilitation and Strengthening. , 2018, , 7-13.		5
35	Fiber-Reinforced Polymers and Their Use in Structural Rehabilitation. , 2018, , 15-20.		5
36	Design Basis for FRP Systems. , 2018, , 21-24.		0

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37	Strengthening Members in Flexure Using FRP. , 2018, , 25-119.		0
38	Strengthening Members in Shear Using FRP. , 2018, , 121-186.		0
39	Axial Strengthening of RC Members Using FRP. , 2018, , 187-330.		0
40	FRP Anchorage Systems. , 2018, , 331-376.		0
41	Installation and Testing of FRP Systems. , 2018, , 377-383.		0
42	Field Applications. , 2018, , 385-400.		0
43	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
44	Prestressed CFRP-strengthening and long-term wireless monitoring of an old roadway metallic bridge. Engineering Structures, 2018, 176, 585-605.	2.6	71
45	An efficiency framework for anchorage devices used to enhance the performance of FRP strengthened RC members. Construction and Building Materials, 2018, 191, 354-375.	3.2	33
46	A component-based model for innovative prefabricated beam-to-hybrid tubular column connections. Thin-Walled Structures, 2018, 132, 265-275.	2.7	10
47	Experimental investigation on the CFRP strengthening efficiency of steel plates with inclined cracks under fatigue loading. Engineering Structures, 2018, 172, 877-890.	2.6	25
48	Fatigue life improvement of steel structures using self-prestressing CFRP/SMA hybrid composite patches. Engineering Structures, 2018, 174, 358-372.	2.6	28
49	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
50	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
51	Flat prestressed unbonded retrofit system for strengthening of existing metallic I-Girders. Composites Part B: Engineering, 2018, 155, 156-172.	5.9	38
52	Experimental and numerical study into the punching shear strengthening of RC flat slabs using post-installed steel bolts. Construction and Building Materials, 2018, 188, 28-39.	3.2	24
53	Behaviour of heat-damaged partially-insulated RC beams using NSM systems. Construction and Building Materials, 2018, 180, 211-228.	3.2	11
54	Anchorage Systems Used in FRP Strengthening of Concrete Members. , 2018, , 877-886.		4

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55	Multi-axis Substructure Testing System for Hybrid Simulation. SpringerBriefs in Applied Sciences and Technology, 2018, , .	0.2	4
56	Response of Earthquake-Damaged RC Columns Repaired with CFRP Composites Using Hybrid Simulation. , 2018, , 887-894.		0
57	State-of-the-Art System for Hybrid Simulation at Swinburne. SpringerBriefs in Applied Sciences and Technology, 2018, , 19-42.	0.2	0
58	Application of the MAST System for Collapse Experiments. SpringerBriefs in Applied Sciences and Technology, 2018, , 43-71.	0.2	0
59	Evaluation of bond properties of degraded CFRP-strengthened double strap joints. Composite Structures, 2017, 173, 144-155.	3.1	13
60	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
61	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
62	Fatigue performance of near-surface mounted CFRP strips embedded in concrete girders using cementitious adhesive made with graphene oxide. Construction and Building Materials, 2017, 148, 632-647.	3.2	14
63	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
64	Performance of NSM CFRP strengthened concrete using modified cement-based adhesive at elevated temperature. Construction and Building Materials, 2017, 132, 296-302.	3.2	13
65	Bending moment and axial compression interaction of high capacity hybrid fabricated members. Thin-Walled Structures, 2017, 121, 89-99.	2.7	5
66	08.35: Compressive behavior of concrete filled double skin sections consisting of corrugated plates and ultraâ€high strength steel corner tubes. Ce/Papers, 2017, 1, 2120-2127.	0.1	2
67	Effects of surface roughness and bond enhancing techniques on flexural performance of CFRP/concrete composites. Composite Structures, 2017, 178, 476-482.	3.1	10
68	An innovative I-beam to hybrid fabricated column connection: Experimental investigation. Engineering Structures, 2017, 148, 907-923.	2.6	10
69	Assessment of residual strength of concrete girders rehabilitated using NSM CFRP with cementitious adhesive made with graphene oxide after exposure to fatigue loading. Construction and Building Materials, 2017, 153, 402-422.	3.2	14
70	Experimental and numerical study of strengthening of heat-damaged RC beams using NSM CFRP strips. Construction and Building Materials, 2017, 154, 899-913.	3.2	35
71	Assessment of bond strength of NSM CFRP strips embedded in concrete using cementitious adhesive made with graphene oxide. Construction and Building Materials, 2017, 154, 504-513.	3.2	9
72	Engineering properties of CFRP laminate under high strain rates. Composite Structures, 2017, 180, 9-15.	3.1	25

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73	12.22: Seismic performance of high capacity hybrid beamâ€columns: Comprising of high strength steel tubes subjected to lateral cyclic loading. Ce/Papers, 2017, 1, 3661-3670.	0.1	1
74	Effect of ultra-high strength steel on mitigation of non-ductile yielding of concrete-filled double-skin columns. Construction and Building Materials, 2017, 147, 736-749.	3.2	42
75	An experimental investigation of the behaviour ofÂheat-damaged RC columns confined with CFRP fabrics using photogrammetry. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	7
76	Fatigue tests on UHM-CFRP strengthened steel plates with central inclined cracks under different damage levels. Composite Structures, 2017, 160, 995-1006.	3.1	40
77	Performance of RC beams rehabilitated with NSM CFRP strips using innovative high-strength self-compacting cementitious adhesive (IHSSC-CA) made with graphene oxide. Composite Structures, 2017, 160, 392-407.	3.1	26
78	Durability of CFRP strengthened steel plate double-strap joints in accelerated corrosion environments. Composite Structures, 2017, 160, 1287-1298.	3.1	49
79	Bond characteristics of CFRP-strengthened concrete members subjected to cyclic temperature and mechanical stress at low humidity. Composite Structures, 2017, 160, 1051-1059.	3.1	14
80	Size-dependency of concrete-filled steel tubes subject to impact loading. International Journal of Impact Engineering, 2017, 100, 90-101.	2.4	32
81	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. Journal of Structural Engineering, 2017, 143, .	1.7	24
82	Strength of Cfrp-steel double strap joints under impact loads using genetic programming. Composite Structures, 2017, 160, 1205-1211.	3.1	23
83	Collapse Assessment of Reinforced Concrete Building Columns through Multi-Axis Hybrid Simulation. ACI Structural Journal, 2017, 114, .	0.3	24
84	Defect size measurement and far distance infrared detection in CFRP-concrete and CFRP-steel systems. Australian Journal of Structural Engineering, 2016, 17, 2-13.	0.4	15
85	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
86	Strain development in CFRP-wrapped circular concrete columns affected by alkali-aggregate reaction. Construction and Building Materials, 2016, 113, 603-612.	3.2	5
87	Effect of crack orientation on fatigue behavior of CFRP-strengthened steel plates. Composite Structures, 2016, 152, 295-305.	3.1	64
88	Bond behaviour between CFRP laminates and steel members under different loading rates. Composite Structures, 2016, 148, 236-251.	3.1	55
89	CFRP confinement of circular concrete columns affected by alkali-aggregate reaction. Construction and Building Materials, 2016, 116, 98-109.	3.2	15
90	Experimental and Numerical Study on Strengthening of Steel Members Subjected to Impact Loading Using Ultrahigh Modulus CFRP. Journal of Composites for Construction, 2016, 20, 04016044.	1.7	26

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91	Modelling of near-surface mounted carbon fibre reinforced polymer strips embedded in concrete with cement-based adhesive. Construction and Building Materials, 2016, 127, 383-393.	3.2	4
92	Modelling of NSM CFRP strips embedded in concrete using lap shear tests with epoxy adhesive. Composite Structures, 2016, 153, 662-672.	3.1	3
93	Fatigue performance of NSM CFRP strips embedded in concrete using epoxy adhesive. Composite Structures, 2016, 154, 419-432.	3.1	12
94	Modified cement-based adhesive for near-surface mounted CFRP strengthening system. Construction and Building Materials, 2016, 124, 794-800.	3.2	32
95	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
96	Bond behaviour between NSM CFRP laminate and concrete using modified cement-based adhesive. Construction and Building Materials, 2016, 127, 284-292.	3.2	19
97	Investigation of <scp>CNT</scp> modification of epoxy resin in <scp>CFRP</scp> strengthening systems. Polymer Composites, 2016, 37, 1021-1033.	2.3	18
98	Compressive behaviour of concrete-filled double-skin sections consisting of corrugated plates. Engineering Structures, 2016, 111, 467-477.	2.6	70
99	Exterior post-tensioned band beam to column connections under earthquake loading. Australian Journal of Structural Engineering, 2016, 17, 14-27.	0.4	7
100	Development and validation of multi-axis substructure testing system for full-scale experiments. Australian Journal of Structural Engineering, 2015, 16, 302-315.	0.4	24
101	Surfactant-Assisted Dispersion of MWCNTs in Epoxy Resin Used in CFRP Strengthening Systems. Journal of Adhesion, 2015, 91, 461-480.	1.8	12
102	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
103	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
104	Experimental and numerical study of the behaviour of heat-damaged RC circular columns confined with CFRP fabric. Composite Structures, 2015, 133, 679-690.	3.1	35
105	Durability of the Bond between CFRP Plates and Concrete Exposed to Harsh Environments. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	41
106	Strength model for heat-damaged reinforced concrete circular columns confined with carbon fibre reinforced polymer fabrics. Journal of Reinforced Plastics and Composites, 2015, 34, 1833-1855.	1.6	9
107	Effect of prestressed CFRP patches on crack growth of centre-notched steel plates. Composite Structures, 2015, 123, 109-122.	3.1	59
108	Heat transfer model for a cementitiousâ€based insulation with moisture. Fire and Materials, 2014, 38, 550-558.	0.9	4

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109	FRP Strengthening of Structures Subject to Fatigue, Impact and Environmental Loading. Advances in Structural Engineering, 2014, 17, i-i.	1.2	0
110	Effect of Dynamic Loading and Environmental Conditions on the Bond between CFRP and Steel: State-of-the-Art Review. Journal of Composites for Construction, 2014, 18, .	1.7	66
111	Tests on Cracked Steel Plates with Different Damage Levels Strengthened by CFRP Laminates. International Journal of Structural Stability and Dynamics, 2014, 14, 1450018.	1.5	58
112	Effect of Fabrication Method on Thermo-mechanical Properties of an Epoxy Composite. Journal of Adhesion, 2014, 90, 368-383.	1.8	7
113	Bond defect detection using PTT IRT in concrete structures strengthened with different CFRP systems. Composite Structures, 2014, 111, 13-19.	3.1	29
114	Effects of CFRP bond locations on the Mode I stress intensity factor of centreâ€cracked tensile steel plates. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 154-167.	1.7	12
115	Finite element modelling of CFRP/steel double strap joints subjected to dynamic tensile loadings. Composite Structures, 2013, 99, 48-61.	3.1	66
116	Curing effects on steel/CFRP double strap joints under combined mechanical load, temperature and humidity. Construction and Building Materials, 2013, 40, 899-907.	3.2	46
117	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
118	Experimental evaluation of the dynamic bond strength between CFRP sheets and steel under direct tensile loads. International Journal of Adhesion and Adhesives, 2013, 40, 89-102.	1.4	23
119	A study of the practicality and performance of CFRP applications using post-curing at moderately elevated temperatures. Composites Part B: Engineering, 2013, 48, 140-157.	5.9	7
120	A study of the use of high functionality-based resin for bonding between CFRP and concrete under harsh environmental conditions. Composite Structures, 2013, 95, 295-306.	3.1	17
121	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
122	Fatigue tests on steel plates with longitudinal weld attachment strengthened by ultra high modulus carbon fibre reinforced polymer plate. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 1027-1038.	1.7	31
123	Determination of Steel Emissivity for the Temperature Prediction of Structural Steel Members in Fire. Journal of Materials in Civil Engineering, 2013, 25, 167-173.	1.3	36
124	MODE I STRESS INTENSITY FACTOR OF CENTER-CRACKED TENSILE STEEL PLATES WITH CFRP REINFORCEMENT. International Journal of Structural Stability and Dynamics, 2013, 13, 1350005.	1.5	12
125	Fatigue Tests of Cracked Steel Plates Strengthened with UHM CFRP Plates. Advances in Structural Engineering, 2012, 15, 1801-1815.	1.2	68
126	Dynamic bond strength between CFRP sheet and steel. Composite Structures, 2012, 94, 3258-3270.	3.1	53

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127	Fabrication and characterization of nano-particles-enhanced epoxy. Composites Part B: Engineering, 2012, 43, 3076-3080.	5.9	19
128	Investigation of thermo-mechanical properties of adhesive used for bonding CF fabrics to concrete members using post-curing techniques. Composites Part B: Engineering, 2012, 43, 2950-2959.	5.9	10
129	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
130	Investigation of the parameters that influence the accuracy of bond defect detection in CFRP bonded specimens using IR thermography. Composite Structures, 2012, 94, 519-531.	3.1	36
131	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
132	Durability of steel/CFRP double strap joints exposed to sea water, cyclic temperature and humidity. Composite Structures, 2012, 94, 1834-1845.	3.1	142
133	Time-dependent behaviour of steel/CFRP double strap joints subjected to combined thermal and mechanical loading. Composite Structures, 2012, 94, 1826-1833.	3.1	53
134	Experimental investigation on the thermal and mechanical properties of nanoclay-modified adhesives used for bonding CFRP to concrete substrates. Construction and Building Materials, 2012, 28, 769-778.	3.2	32
135	Bond characteristics between ultra high modulus CFRP laminates and steel. Thin-Walled Structures, 2012, 51, 147-157.	2.7	154
136	A Model-Based Simulation of CFRP-Steel Bond Failure Using the Material Point Method. Advances in Structural Engineering, 2011, 14, 777-787.	1.2	1
137	Effect of Impact Tensile Load on Strength of CFRP Bonded Steel Plate Joints. Procedia Engineering, 2011, 14, 1312-1317.	1.2	14
138	Mechanical characterization of steel/CFRP double strap joints at elevated temperatures. Composite Structures, 2011, 93, 1604-1612.	3.1	152
139	Temperature Effect on Adhesively Bonded CFRP and Steel Double Strap Joints. , 2011, , 877-880.		2
140	Experimental Study on Bond Behaviour between UHM CFRP Laminate and Steel. , 2011, , 890-893.		4
141	Fe modelling of CFRP-concrete interface subjected to cyclic temperature, humidity and mechanical stress. Composite Structures, 2010, 92, 826-834.	3.1	17
142	Bondâ€“slip models for double strap joints strengthened by CFRP. Composite Structures, 2010, 92, 2137-2145.	3.1	156
143	EFFECT OF FATIGUE LOADING ON BOND STRENGTH BETWEEN CFRP SHEETS AND STEEL PLATES. International Journal of Structural Stability and Dynamics, 2010, 10, 1-20.	1.5	67
144	A Numerical Investigation of CFRP-Steel Interfacial Failure with Material Point Method. , 2010, , .		1

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145	Web buckling of lightsteel beams strengthened with CFRP subjected to end-bearing forces. Thin-Walled Structures, 2009, 47, 1029-1036.	2.7	34
146	Prediction of fatigue life for CFRP-strengthened steel plates. Thin-Walled Structures, 2009, 47, 1069-1077.	2.7	104
147	Experimental study of fatigue crack growth behaviour in adhesively reinforced steel structures. Composite Structures, 2009, 90, 12-20.	3.1	162
148	Boundary element analysis of CFRP reinforced steel plates. Composite Structures, 2009, 91, 74-83.	3.1	46
149	Effect of Elevated Temperature on Bond Behaviour of High Modulus CFRP/Steel Double-Strap Joints. Australian Journal of Structural Engineering, 2009, 10, 63-74.	0.4	54
150	Reliablity analysis of bridge beams retrofitted with fibre reinforced polymers. Composite Structures, 2008, 82, 177-184.	3.1	32
151	Torsional Capacity of CFRP Strengthened Reinforced Concrete Beams. Journal of Composites for Construction, 2007, 11, 71-80.	1.7	33
152	Plastic mechanism analysis of fabricated square and triangular sections under axial compression. Thin-Walled Structures, 2007, 45, 135-148.	2.7	17
153	Modelling of CFRP-concrete shear-lap tests. Construction and Building Materials, 2007, 21, 727-735.	3.2	64
154	Strengthening of circular hollow steel tubular sections using high modulus CFRP sheets. Construction and Building Materials, 2007, 21, 839-845.	3.2	106
155	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
156	Investigation of shear lag failure in gusset-plate welded structural steel hollow section connections. Journal of Constructional Steel Research, 2007, 63, 293-304.	1.7	15
157	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
158	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
159	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
160	Flange Strain Measurement in Shear Critical RC T-Beams. Advances in Structural Engineering, 2006, 9, 491-505.	1.2	2
161	Numerical analysis of multilayered CFRP retrofitted RC beams with partial interaction. Composite Structures, 2006, 75, 479-488.	3.1	6
162	Coupled flexuralâ€“shear retrofitting of RC beams using CFRP straps. Composite Structures, 2006, 75, 457-464.	3.1	69

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163	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
164	An experimental and numerical investigation on torsional strengthening of solid and box-section RC beams using CFRP laminates. Composite Structures, 2006, 75, 213-221.	3.1	50
165	CFRP strengthened RHS subjected to transverse end bearing force. Engineering Structures, 2006, 28, 1555-1565.	2.6	86
166	Experimental Investigation on Torsional Behavior of Solid and Box-Section RC Beams Strengthened with CFRP Using Photogrammetry. Journal of Composites for Construction, 2006, 10, 321-329.	1.7	53
167	Rational design analysis of stub columns fabricated using very high strength circular steel tubes. Thin-Walled Structures, 2005, 43, 445-460.	2.7	12
168	Analysis of Test Specimens for Cohesive Near-Bond Failure of Fiber-Reinforced Polymer-Plated Concrete. Journal of Composites for Construction, 2004, 8, 528-538.	1.7	38
169	Experimental investigation into flexural retrofitting of reinforced concrete bridge beams using FRP composites. Composite Structures, 2004, 66, 617-625.	3.1	121
170	Stub column tests of fabricated square and triangular sections utilizing very high strength steel tubes. Journal of Constructional Steel Research, 2004, 60, 1637-1661.	1.7	36
171	Assessment of available prediction models for the strength of FRP retrofitted RC beams. Composite Structures, 2004, 66, 601-610.	3.1	51
172	Finite Element Analysis (FEA) of Fabricated Square and Triangular Section Stub Columns Utilizing Very High Strength Steel Tubes. Advances in Structural Engineering, 2004, 7, 447-460.	1.2	12
173	Experimental study on the effect of flange geometry on the shear strength of reinforced concrete T-beams subjected to concentrated loads. Canadian Journal of Civil Engineering, 2002, 29, 911-918.	0.7	16
174	Tests and design of longitudinal fillet welds in very high strength (VHS) steel circular tubes. , 2002, , 245-252.		1
175	Behavior and Analysis of RC T-Beams Partially Damaged in Shear and Repaired with CFRP Laminates. , 2001, , 1.		9
176	Load Distribution and Shear Strength Evaluation of an Old Concrete T-Beam Bridge. Transportation Research Record, 2000, 1696, 52-62.	1.0	11
177	Longitudinal Fillet Welds in Thin-Walled C450 RHS Members. Journal of Structural Engineering, 1999, 125, 821-828.	1.7	22
178	Finite element modelling of RC slabs strengthened against punching shear with L-CFRP laminates. Australian Journal of Structural Engineering, 0, , 1-18.	0.4	0