Mohamed Elchalakani

List of Publications by Citations

187 papers	3,183 citations	31 h-index	47 g-index
197 ext. papers	4,283 ext. citations	4.2 avg, IF	6.25 L-index

#	Paper	IF	Citations
187	Concrete-filled circular steel tubes subjected to pure bending. *Journal of Constructional Steel Research*, **2001**, 57, 1141-1168	3.8	140
186	Tests on concrete filled double-skin (CHS outer and SHS inner) composite short columns under axial compression. *Thin-Walled Structures*, **2002**, 40, 415-441	4.7	128
185	Axial capacity and design of thin-walled steel SHS strengthened with CFRP. *Thin-Walled Structures*, **2009**, 47, 1112-1121	4.7	115
184	High strength rubberized concrete containing silica fume for the construction of sustainable road side barriers. *Structures*, **2015**, 1, 20-38	3.4	96
183	Composite steel□CFRP SHS tubes under axial impact. *Composite Structures*, **2009**, 87, 282-292	5.3	80
182	Tests of concrete-filled double skin CHS composite stub columns. *Steel and Composite Structures*, **2002**, 2, 129-146		80
181	Plastic mechanism analysis of circular tubes under pure bending. *International Journal of Mechanical Sciences*, **2002**, 44, 1117-1143	5.5	79
180	Plastic mechanism analysis of steel SHS strengthened with CFRP under large axial deformation. *Thin-Walled Structures*, **2007**, 45, 159-170	4.7	77
179	Tests of glass fibre reinforced polymer rectangular concrete columns subjected to concentric and eccentric axial loading. *Engineering Structures*, **2017**, 151, 93-104	4.7	67
178	Bending tests to determine slenderness limits for cold-formed circular hollow sections. *Journal of Constructional Steel Research*, **2002**, 58, 1407-1430	3.8	59
177	Tests of Cold-Formed Circular Tubular Braces under Cyclic Axial Loading. *Journal of Structural Engineering*, **2003**, 129, 507-514	3	59
176	Experiments and Finite Element Analysis of GFRP Reinforced Geopolymer Concrete Rectangular Columns Subjected to Concentric and Eccentric Axial Loading. *Structures*, **2018**, 14, 273-289	3.4	54
175	Concrete-filled cold-formed circular steel tubes subjected to variable amplitude cyclic pure bending. *Engineering Structures*, **2008**, 30, 287-299	4.7	54
174	Concrete-filled steel circular tubes subjected to constant amplitude cyclic pure bending. *Engineering Structures*, **2004**, 26, 2125-2135	4.7	50
173	Sustainable concrete with high volume GGBFS to build Masdar City in the UAE. *Case Studies in Construction Materials*, **2014**, 1, 10-24	2.7	49
172	Shear analysis and design of high-strength steel corrugated web girders for bridge design. *Engineering Structures*, **2017**, 146, 18-33	4.7	40
171	Experimental investigation of rubberised concrete-filled double skin square tubular columns under axial compression. *Engineering Structures*, **2018**, 171, 730-746	4.7	40

170	Incremental collapse threshold for pushout resistance of circular concrete filled steel tubular columns. *Journal of Constructional Steel Research*, **2010**, 66, 11-18	3.8	40
169	Experimental Investigation of Rectangular Air-Cured Geopolymer Concrete Columns Reinforced with GFRP Bars and Stirrups. *Journal of Composites for Construction*, **2019**, 23, 04019011	3.3	39
168	Development of a High Strength Geopolymer by Novel Solar Curing. *Ceramics International*, **2017**, 43, 11233-11243	5.1	38
167	Static and dynamic axial crushing of spot-welded thin-walled composite steel□CFRP square tubes. *International Journal of Impact Engineering*, **2009**, 36, 1083-1094	4	38
166	Design of GFRP-reinforced rectangular concrete columns under eccentric axial loading. *Magazine of Concrete Research*, **2017**, 69, 865-877	2	37
165	Performance and dynamic behaviour of FRP strengthened CFST members subjected to lateral impact. *Engineering Structures*, **2017**, 147, 160-176	4.7	37
164	Development of high strength one-part geopolymer mortar using sodium metasilicate. *Construction and Building Materials*, **2020**, 236, 117611	6.7	37
163	Ultra-high strength circular short CFST columns: Axisymmetric analysis, behaviour and design. *Engineering Structures*, **2019**, 179, 268-283	4.7	37
162	Finite element modelling of concrete-filled double-skin short compression members with CHS outer and SHS inner tubes. *Marine Structures*, **2018**, 61, 85-99	3.8	36
161	Plastic and yield slenderness limits for circular concrete filled tubes subjected to static pure bending. *Thin-Walled Structures*, **2016**, 109, 50-64	4.7	35
160	Green Concrete with High-Volume Fly Ash and Slag with Recycled Aggregate and Recycled Water to Build Future Sustainable Cities. *Journal of Materials in Civil Engineering*, **2017**, 29, 04016219	3	34
159	A review on methods for liberating lithium from pegmatities. *Minerals Engineering*, **2020**, 145, 106085	4.9	34
158	Behaviour of Concrete-filled Double-skin Short Columns Under Compression Through Finite Element Modelling: SHS Outer and SHS Inner Tubes. *Structures*, **2018**, 14, 358-375	3.4	33
157	Finite element analysis of large diameter high strength octagonal CFST short columns. *Thin-Walled Structures*, **2018**, 123, 467-482	4.7	32
156	Experimental tests and design of rubberised concrete-filled double skin circular tubular short columns. *Structures*, **2018**, 15, 196-210	3.4	31
155	Dynamic compressive properties of lightweight rubberized concrete. *Construction and Building Materials*, **2020**, 238, 117705	6.7	31
154	Overall buckling behaviour of circular concrete-filled dual steel tubular columns with stainless steel external tubes. *Thin-Walled Structures*, **2017**, 115, 336-348	4.7	30
153	Dynamic response of rubberized concrete columns with and without FRP confinement subjected to lateral impact. *Construction and Building Materials*, **2018**, 186, 207-218	6.7	30

152	CFRP strengthening and rehabilitation of degraded steel welded RHS beams under combined bending and bearing. *Thin-Walled Structures*, **2014**, 77, 86-108	4.7	30
151	Variable amplitude cyclic pure bending tests to determine fully ductile section slenderness limits for cold-formed CHS. *Engineering Structures*, **2006**, 28, 1223-1235	4.7	29
150	Rehabilitation of corroded steel CHS under combined bending and bearing using CFRP. *Journal of Constructional Steel Research*, **2016**, 125, 26-42	3.8	28
149	Lateral-torsional buckling strength and behaviour of high-strength steel corrugated web girders for bridge construction. *Thin-Walled Structures*, **2018**, 122, 112-123	4.7	28
148	CFRP strengthening and rehabilitation of corroded steel pipelines under direct indentation. *Thin-Walled Structures*, **2017**, 119, 510-521	4.7	27
147	Energy Dissipation and Storage in Underground Mining Operations. *Rock Mechanics and Rock Engineering*, **2019**, 52, 229-245	5.7	26
146	Durability characteristics of lightweight rubberized concrete. *Construction and Building Materials*, **2019**, 224, 584-599	6.7	26
145	Behaviour and design of rubberised concrete filled steel tubes under combined loading conditions. *Thin-Walled Structures*, **2019**, 139, 24-38	4.7	25
144	Development of Fly Ash- and Slag-Based Geopolymer Concrete with Calcium Carbonate or Microsilica. *Journal of Materials in Civil Engineering*, **2018**, 30, 04018325	3	25
143	Analytical solution of energy redistribution in rectangular openings upon in-situ rock mass alteration. *International Journal of Rock Mechanics and Minings Sciences*, **2018**, 106, 74-83	6	24
142	Neural networks for modelling ultimate pure bending of steel circular tubes. *Journal of Constructional Steel Research*, **2008**, 64, 624-633	3.8	24
141	Axial impact behavior and energy absorption of rubberized concrete with/without fiber-reinforced polymer confinement. *International Journal of Protective Structures*, **2019**, 10, 154-173	1.5	23
140	Plastic Slenderness Limits for Cold-Formed Circular Hollow Sections. *Australian Journal of Structural Engineering*, **2002**, 3, 127-141	1.4	22
139	Plastic Collapse Analysis of Slender Circular Tubes Subjected to Large Deformation Pure Bending. *Advances in Structural Engineering*, **2002**, 5, 241-257	1.9	22
138	Plastic mechanism analysis of unstiffened steel I-section beams strengthened with CFRP under 3-point bending. *Thin-Walled Structures*, **2012**, 53, 58-71	4.7	21
137	Circular steel tubes filled with rubberised concrete under combined loading. *Journal of Constructional Steel Research*, **2019**, 162, 105613	3.8	20
136	Plastic mechanism analyses of circular tubular members under cyclic loading. *Thin-Walled Structures* , **2007**, 45, 1044-1057	4.7	20
135	Cyclic Bending Tests to Determine Fully Ductile Section Slenderness Limits for Cold-Formed Circular Hollow Sections. *Journal of Structural Engineering*, **2004**, 130, 1001-1010	3	20

134	Structural behaviour and design of elliptical high-strength concrete-filled steel tubular short compression members. *Engineering Structures*, **2018**, 173, 495-511	4.7	19
133	Sustainable Concrete made of Construction and Demolition Wastes using Recycled Wastewater in the UAE. *Journal of Advanced Concrete Technology*, **2012**, 10, 110-125	2.3	19
132	The prediction of ultimate pure bending moment of concrete-filled steel tubes by adaptive neuro-fuzzy inference system (ANFIS). *Neural Computing and Applications*, **2019**, 31, 1239-1252	4.8	19
131	Glass fibre-reinforced polymer circular alkali-activated fly ash/slag concrete members under combined loading. *Engineering Structures*, **2019**, 199, 109598	4.7	18
130	Analytical solution for stress distribution around deep lined pressure tunnels under the water table. *International Journal of Rock Mechanics and Minings Sciences*, **2019**, 123, 104124	6	18
129	Mechanical properties of rubberised concrete for road side barriers. *Australian Journal of Civil Engineering*, **2016**, 14, 1-12	1.8	18
128	Finite element simulation of circular short CFDST columns under axial compression. *Structures*, **2019**, 20, 607-619	3.4	17
127	Plastic collapse analysis of CFRP strengthened and rehabilitated degraded steel welded RHS beams subjected to combined bending and bearing. *Thin-Walled Structures*, **2014**, 82, 278-295	4.7	17
126	Experimental investigation on lightweight rubberized concrete beams strengthened with BFRP sheets subjected to impact loads. *Engineering Structures*, **2020**, 205, 110095	4.7	17
125	Sustainable geopolymer using lithium concentrate residues. *Construction and Building Materials*, **2019**, 228, 116740	6.7	16
124	Experimental behavior of concrete-filled corrugated steel tubular short columns under eccentric compression and non-uniform confinement. *Engineering Structures*, **2020**, 220, 111009	4.7	15
123	Circular Concrete Columns and Beams Reinforced with GFRP Bars and Spirals under Axial, Eccentric, and Flexural Loading. *Journal of Composites for Construction*, **2020**, 24, 04020008	3.3	14
122	Impact response of fibre reinforced geopolymer concrete beams with BFRP bars and stirrups. *Engineering Structures*, **2021**, 231, 111785	4.7	14
121	Effects of microwave, thermomechanical and chemical treatments of sewage sludge ash on its early-age behavior as supplementary cementitious material. *Journal of Cleaner Production*, **2020**, 258, 120647	10.3	13
120	Experimental and numerical study on concrete beams reinforced with Basalt FRP bars under static and impact loads. *Composite Structures*, **2021**, 263, 113648	5.3	13
119	Material and glass-fibre-reinforced polymer bond properties of geopolymer concrete. *Magazine of Concrete Research*, **2020**, 72, 509-525	2	13
118	Experimental and model investigation on residual stresses in Q460GJ thick-walled I-shaped sections. *Journal of Constructional Steel Research*, **2018**, 145, 489-503	3.8	13
117	Behavior of circular concrete columns reinforced with hollow composite sections and GFRP bars. *Marine Structures*, **2020**, 72, 102785	3.8	12

116	Behaviour and design of air-cured GFRP-reinforced geopolymer concrete square columns. *Magazine of Concrete Research*, **2019**, 71, 1006-1024	2	12
115	Low field NMR relaxation as a probe to study the effect of activators and retarders on the alkali-activated GGBFS setting process. *Cement and Concrete Composites*, **2019**, 104, 103399	8.6	12
114	A parametric study: High performance double skin tubular column using rubberised concrete. *Composite Structures*, **2020**, 235, 111741	5.3	12
113	Multi-objective mixture design of cemented paste backfill using particle swarm optimisation algorithm. *Minerals Engineering*, **2020**, 153, 106385	4.9	12
112	Computational monitoring in real time: review of methods and applications. *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, **2018**, 4, 235-271	3.8	12
111	Curing Conditions of Alkali-Activated Fly Ash and Slag Mortar. *Journal of Materials in Civil Engineering*, **2020**, 32, 04020122	3	11
110	Dynamic Tensile Behavior of Steel HRB500E Reinforcing Bar at Low, Medium, and High Strain Rates. *Materials*, **2020**, 13,	3.5	11
109	Impact behaviour of carbon fibre reinforced polymer (CFRP) strengthened square hollow steel tubes: A numerical simulation. *Thin-Walled Structures*, **2018**, 131, 245-257	4.7	11
108	Development of ECO-UHPC with very-low-C3A cement and ground granulated blast-furnace slag. *Construction and Building Materials*, **2021**, 284, 122787	6.7	11
107	Buckling and post-buckling analysis of geometrically non-linear composite plates exhibiting large initial imperfections. *Composite Structures*, **2017**, 174, 134-141	5.3	10
106	Strengthening of mild steel struts using CFRP sheets subjected to uniform axial compression. *Thin-Walled Structures*, **2017**, 116, 96-112	4.7	10
105	Global buckling of laterally-unrestrained Q460GJ beams with singly symmetric I-sections. *Journal of Constructional Steel Research*, **2018**, 145, 341-351	3.8	10
104	Finite element analysis of CFT columns subjected to pure bending moment. *Steel and Composite Structures*, **2010**, 10, 415-428		10
103	An adaptive neuro fuzzy inference system to model the uniaxial compressive strength of cemented hydraulic backfill. *Mining of Mineral Deposits*, **2018**, 12, 1-12	1.7	10
102	Flexural behaviour of ambient cured geopolymer concrete beams reinforced with BFRP bars under static and impact loads. *Composite Structures*, **2021**, 261, 113282	5.3	10
101	Load bearing capacity of welded Q460GJ steel H-columns under eccentric compression. *Journal of Constructional Steel Research*, **2018**, 143, 320-330	3.8	9
100	Multi-scale Modeling Approach to Predict the Nonlinear Behavior of CNT-reinforced Concrete Columns Subjected to Service Loading. *Structures*, **2018**, 14, 301-312	3.4	9
99	Modelling glass fibre-reinforced polymer reinforced geopolymer concrete columns. *Structures*, **2019**, 20, 813-821	3.4	9

98	Novel prediction models for composite elastic modulus of circular recycled aggregate concrete-filled steel tubes. *Thin-Walled Structures*, **2019**, 144, 106317	4.7	9
97	A closed-form solution for elastic buckling of thin-walled unstiffened circular cylinders in pure flexure. *Thin-Walled Structures*, **2014**, 80, 120-129	4.7	9
96	ECO-UHPC with High-Volume Class-F Fly Ash: New Insight into Mechanical and Durability Properties. *Journal of Materials in Civil Engineering*, **2021**, 33,	3	9
95	Dynamic performance of composite beam-column connections subjected to impact loadings. *Journal of Constructional Steel Research*, **2021**, 178, 106498	3.8	9
94	Performance of monolithic and dry joints with GFRP bolts reinforced with different fibres and GFRP bars under impact loading. *Engineering Structures*, **2021**, 240, 112341	4.7	9
93	Progressive collapse resistance of 3D composite floor system subjected to internal column removal: Experiment and numerical simulation. *Journal of Constructional Steel Research*, **2020**, 172, 106208	3.8	8
92	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: Durability with and without water repellent. *Construction and Building Materials*, **2020**, 265, 120629	6.7	8
91	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: A study of mechanical properties, flexure and bond strength. *Construction and Building Materials*, **2021**, 277, 122303	6.7	8
90	Shear behaviour of ambient cured geopolymer concrete beams reinforced with BFRP bars under static and impact loads. *Engineering Structures*, **2021**, 231, 111730	4.7	8
89	Testing and modelling of geopolymer concrete members with fibreglass reinforcement. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2021**, 174, 12-27	0.9	8
88	Strength and durability of geopolymer concrete with high volume rubber replacement. *Construction and Building Materials*, **2021**, 274, 121783	6.7	8
87	Flexural buckling of circular concrete-filled stainless steel tubular columns. *Marine Structures*, **2020**, 71, 102722	3.8	7
86	A new model based on evolutionary computing for predicting ultimate pure bending of steel circular tubes. *Journal of Constructional Steel Research*, **2014**, 94, 84-90	3.8	7
85	Tests of concrete-filled double skin (SHS outer and CHS inner) composite stub columns **2002**, 567-574		7
84	Experimental study on the engineering properties of alkali-activated GGBFS/FA concrete and constitutive models for performance prediction. *Construction and Building Materials*, **2020**, 240, 117977	6.7	7
83	Parametric analysis and simplified approach for steel-framed subassemblies with reverse channel connection under falling-debris impact. *Engineering Structures*, **2020**, 225, 111263	4.7	7
82	Data analysis and estimation of thermodynamic properties of aqueous monovalent metal-glycinate complexes. *Fluid Phase Equilibria*, **2019**, 480, 25-40	2.5	7
81	Experimental and numerical investigation of underwater composite repair with fibre reinforced polymers in corroded tubular offshore structural members under concentric and eccentric axial loads. *Engineering Structures*, **2021**, 227, 111402	4.7	7

80	Improved thermal insulance of cement stabilised rammed earth embedding lightweight aggregates. *Construction and Building Materials*, **2021**, 268, 121075	6.7	7
79	Modelling fresh and hardened properties of self-compacting concrete containing supplementary cementitious materials using reactive moduli. *Construction and Building Materials*, **2021**, 272, 121954	6.7	7
78	Behavior of octagonal concrete-filled double-skin steel tube stub columns under axial compression. *Journal of Constructional Steel Research*, **2020**, 170, 106115	3.8	6
77	Modelling of multicomponent reactive transport in finite columns Application to gold recovery using iodide ligands. *Hydrometallurgy*, **2018**, 178, 43-53	4	6
76	CFRP-wrapped hollow steel tubes under axial impact loading **2017**, 401-407		6
75	Lateral-Torsional buckling behaviour of mono-symmetric S460 corrugated web bridge girders. *Thin-Walled Structures*, **2020**, 153, 106803	4.7	6
74	Global buckling investigation on laterally-unrestrained Q460GJ steel beams under three-point bending. *Engineering Structures*, **2019**, 181, 271-280	4.7	6
73	Optimizing the solar energy capture of residential roof design in the southern hemisphere through Evolutionary Algorithm. *Energy and Built Environment*, **2021**, 2, 406-424	6.3	6
72	Alternative stabilised rammed earth materials incorporating recycled waste and industrial by-products: Life cycle assessment. *Construction and Building Materials*, **2021**, 267, 120997	6.7	6
71	A closed-form analytical solution for the ratcheting response of steel tubes with wall-thinning under inelastic symmetric constant amplitude cyclic bending. *Thin-Walled Structures*, **2018**, 132, 558-573	4.7	6
70	Reliability analysis of strength models for short-concrete columns under concentric loading with FRP rebars through Artificial Neural Network. *Journal of Building Engineering*, **2021**, 42, 102497	5.2	6
69	Comparative Study of Uncoupled Ductile-Fracture Models on Fracture Prediction of Structural Steels under Monotonic Loading. *Journal of Engineering Mechanics - ASCE*, **2020**, 146, 04020080	2.4	5
68	3D bolted cohesive element for the modelling of bolt-reinforced rough rock-shotcrete interfaces. *Computers and Geotechnics*, **2020**, 125, 103659	4.4	5
67	Bond performance of reinforced alkali-activated composites using water-quenched slag as alternative fine aggregates. *Structures*, **2020**, 24, 137-150	3.4	5
66	An experimental study on the durability and strength of SCC incorporating FA, GGBS and MS. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2019**, 172, 327-339	0.9	5
65	Design of cold-formed CHS braces for steel roof structures. *Thin-Walled Structures*, **2017**, 120, 249-259	4.7	5
64	Durability assessment of self-compacting concrete with fly ash. *Computers and Concrete*, **2017**, 19, 489-499		5
63	Mechanical performance and durability of geopolymer lightweight rubber concrete. *Journal of Building Engineering*, **2021**, 103608	5.2	5

62	High strength flowable lightweight concrete incorporating low C3A cement, silica fume, stalite and macro-polyfelin polymer fibres. *Construction and Building Materials*, **2021**, 281, 122410	6.7	5
61	Experimental and Numerical Study of Basalt FRP Strip Strengthened RC Slabs under Impact Loads. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2040001	1.9	5
60	Numerical analysis of square concrete-filled double skin steel tubular columns with rubberized concrete. *Structures*, **2021**, 32, 1026-1047	3.4	5
59	Sensitivity of lateral impact response of RC columns reinforced with GFRP bars and stirrups to concrete strength and reinforcement ratio. *Engineering Structures*, **2021**, 242, 112512	4.7	5
58	Development of ECO-UHPC utilizing gold mine tailings as quartz sand alternative. *Cleaner Engineering and Technology*, **2021**, 4, 100176	2.7	5
57	Lap splices in confined self-compacting lightweight concrete. *Construction and Building Materials*, **2020**, 263, 120619	6.7	4
56	A dislocation-movement-and-void-growth-motivated ductile fracture criterion considering size effect. *International Journal of Solids and Structures*, **2020**, 206, 137-152	3.1	4
55	Micromechanics modelling of cement stabilised rammed earth. *Mechanics of Materials*, **2020**, 148, 103546	3.3	4
54	Confined rubberised concrete tubular column for high-performance structures Review. *Construction and Building Materials*, **2021**, 276, 122216	6.7	4
53	Multi-objective mixture design and optimisation of steel fiber reinforced UHPC using machine learning algorithms and metaheuristics. *Engineering With Computers*,1	4.5	4
52	Experimental study on the cumulative damage constitutive model of high-performance steel Q345GJ under cyclic loading. *Journal of Constructional Steel Research*, **2021**, 181, 106620	3.8	4
51	Data-driven analysis on ultimate axial strain of FRP-confined concrete cylinders based on explicit and implicit algorithms. *Composite Structures*, **2021**, 268, 113904	5.3	4
50	Microfluidic study of sustainable gold leaching using glycine solution. *Hydrometallurgy*, **2019**, 185, 186-193	4	4
49	Investigation into the Nonlinear Time-History Analysis of CNT-Reinforced Concrete Column by a Multiscale Approach. *International Journal of Civil Engineering*, **2020**, 18, 49-64	1.9	4
48	Experimental and numerical study on impact behavior of beam-column substructures of steel frame. *Structures*, **2021**, 29, 14-29	3.4	4
47	Theoretical study on concrete-filled steel tubes under static and variable repeated loadings. *Journal of Constructional Steel Research*, **2010**, 66, 111-124	3.8	3
46	Experimental and Analytical Study of Ultrahigh-Performance Fiber-Reinforced Concrete Curved Beams. *Journal of Structural Engineering*, **2020**, 146, 04019192	3	3
45	Flexural Behavior and Rotation Capacity of Welded I-Beams Made from 690-MPa High-Strength Steel. *Journal of Structural Engineering*, **2021**, 147, 04020320	3	3

44	Tests of circular concrete-filled steel tubular stub columns with artificial notches representing local corrosions. *Engineering Structures*, **2021**, 242, 112598	4.7	3
43	Behaviour of corrugated web girders subjected to lateral-torsional buckling: Experimental tests and numerical modelling. *Structures*, **2021**, 33, 152-168	3.4	3
42	Experimental testing of novel hybrid rubberised concrete double skin tubular columns with filament wound CFRP tube under axial compressive loading. *Composite Structures*, **2021**, 276, 114568	5.3	3
41	Life cycle assessment of rammed earth made using alkaline activated industrial by-products. *IOP Conference Series: Earth and Environmental Science*, **2019**, 323, 012143	0.3	2
40	Long-Term Strength of Alkali-Activated Mortars with Steel Fibres Cured in Various Conditions. *Journal of Marine Science and Engineering*, **2020**, 8, 278	2.4	2
39	Structural Performance Assessment of Innovative Hollow Cellular Panels for Modular Flooring System. *Buildings*, **2022**, 12, 57	3.2	2
38	Photocatalytic concrete for degrading organic dyes in water.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	2
37	Cleaning up oil pollution in the ocean with photocatalytic concrete marine structures. *Journal of Cleaner Production*, **2021**, 329, 129636	10.3	2
36	Interaction Diagram of Rubberised Concrete Filled Circular Hollow Sections. *Journal of Civil Engineering and Construction*, **2019**, 8, 1-7	1.4	2
35	Effect of fibre reinforcements on shear capacity of geopolymer concrete beams subjected to impact load. *International Journal of Impact Engineering*, **2022**, 159, 104056	4	2
34	Delithiated β-spodumene as a geopolymer precursor. *Construction and Building Materials*, **2021**, 309, 124974	6.7	2
33	The critical behaviour of finite thickness lining systems in tunnels. *European Journal of Environmental and Civil Engineering*, **2020**, 1-18	1.5	2
32	Reinforcement corrosion in cement- and alternatively-stabilised rammed earth materials. *Construction and Building Materials*, **2021**, 274, 122045	6.7	2
31	Dynamic performance of retrofitted steel beam-column connections subjected to impact loadings. *Journal of Constructional Steel Research*, **2021**, 183, 106732	3.8	2
30	Effect of using slender flanges on EN 1993-1-5 design model of mono-symmetric S460 corrugated web bridge girders. *Structures*, **2021**, 33, 330-342	3.4	2
29	Residual mechanical properties of Q890 high-strength structural steel after exposure to fire. *Construction and Building Materials*, **2021**, 304, 124661	6.7	2
28	Experimental investigation on concrete-filled corrugated steel tubular column under constant axial load and cyclic load. *Engineering Structures*, **2021**, 248, 113245	4.7	2
27	Flexural behavior of all lightweight reinforced concrete beams externally strengthened with CFRP sheets. *Construction and Building Materials*, **2022**, 327, 126966	6.7	2

26	CFRP Strengthening and Rehabilitation of Corroded Steel Pipelines Under Direct Indentation and Bending **2015**,		1
25	Sea sand seawater geopolymer concrete. *Journal of Building Engineering*, **2022**, 50, 104141	5.2	1
24	Behaviour and design of cold-formed CHS under static pure bending through finite element analysis. *Thin-Walled Structures*, **2020**, 147, 106547	4.7	1
23	Closed-Form Solution to the Poromechanics of Deep Arbitrary-Shaped Openings Subjected to Rock Mass Alteration. *International Journal of Geomechanics*, **2020**, 20, 04020223	3.1	1
22	Static and fatigue properties of 80 mm-thick Q460GJC butt weld joint. *Journal of Constructional Steel Research*, **2021**, 184, 106809	3.8	1
21	An investigation into the feasibility of normal and fibre-reinforced ultra-high performance concrete multi-cell and composite sandwich panels. *Journal of Building Engineering*, **2021**, 41, 102728	5.2	1
20	Management and valorisation of delithiated β-spodumene and its processing stream. *Case Studies in Construction Materials*, **2021**, 15, e00671	2.7	1
19	An engineered ML model for prediction of the compressive strength of Eco-SCC based on type and proportions of materials. *Cleaner Materials*, **2022**, 100072		1
18	Prediction of columns with GFRP bars through Artificial Neural Network and ABAQUS. *Structures*, **2022**, 40, 247-255	3.4	1
17	Future research **2022**, 793-811		0
16	Experimental tests **2022**, 29-166		0
15	Hybrid double skin FRP–steel column with rubberised concrete infill under axial loading. *Engineering Structures*, **2021**, 249, 113267	4.7	0
14	The mechanical behavior of RPC under combined shear and compressive loads. *Cement and Concrete Composites*, **2021**, 121, 104071	8.6	0
13	Underwater strengthening and repairing of tubular offshore structural members using Carbon Fibre Reinforced Polymers with different consolidation methods. *Thin-Walled Structures*, **2022**, 174, 109090	4.7	0
12	Pseudo-random artificial corrosion morphologies for ultimate strength analysis of corroded steel tubulars. *Structures*, **2022**, 40, 902-919	3.4	0
11	Lateral–torsional buckling strength of corrugated web bridge girders: EC3 and AISC modified design methods. *Thin-Walled Structures*, **2022**, 176, 109373	4.7	0
10	Mechanical properties and chloride penetration resistances of very-low-C3A cement based SC-UHP-SFRCs incorporating metakaolin and slag. *Construction and Building Materials*, **2022**, 341, 127854	6.7	0
9	Lattice Finite Strain Theory for Non-hydrostatically Compressed Materials. *Rock Mechanics and Rock Engineering*, **2018**, 51, 3313-3319	5.7	

8	05.25: Lateral torsional buckling investigation on welded Q460GJ structural steel unrestrained singly-symmetric beams under a point load. *Ce/Papers*, **2017**, 1, 1245-1254	0.3
7	Alkali-activated concrete versus ordinary Portland cement concrete and Roman concrete when using sea sand and seawater **2022**, 257-303	
6	Design rules and standards **2022**, 539-791	
5	Performance of variously shaped glass-fibre-reinforced polymer bars in concrete columns. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*,1-40	0.9
4	Behaviour of Filament Wound FRP-Rubberised Concrete-Steel Hybrid Double Skin Tubular Column (Hybrid RuDSTC) Under Axial Loading. *Lecture Notes in Civil Engineering*, **2022**, 1076-1084	0.3
3	Rubberised concrete-filled double-skin circular tubes under axial compression **2017**, 77-82	
2	Rubberised concrete-filled double-skin square tubes under axial compression **2017**, 83-88	
1	Theoretical analysis of foam-filled aluminum tubes subjected to bending and denting **2012**, 525-530	