

Peng Feng

List of Publications by Year in descending order

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119
papers

3,484
citations

126907

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125
all docs

125
docs citations

125
times ranked

1730
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study on Mechanical Properties of Bamboo Culms and Joints Reinforced with GFRP Sheets. Lecture Notes in Civil Engineering, 2022, , 1601-1613.	0.4	0
2	Study on Buckling Behavior of Prestressed CFRP-Reinforced Steel Columns by FEM and ANN. Lecture Notes in Civil Engineering, 2022, , 2322-2332.	0.4	0
3	Non-uniform fiber-resin distributions of pultruded GFRP profiles. Composites Part B: Engineering, 2022, 231, 109543.	12.0	17
4	FRP Confined Concrete: What, Why, and How?. Lecture Notes in Civil Engineering, 2022, , 37-45.	0.4	2
5	Experimental and theoretical analyses of the progressive collapse resistance of NSM strengthening RC frames after the failure of a corner column. Journal of Building Engineering, 2022, 47, 103805.	3.4	1
6	Steel slag aggregate concrete filled-in FRP tubes: Volume expansion effect and axial compressive behaviour. Construction and Building Materials, 2022, 318, 125961.	7.2	19
7	Long-term performance prediction framework based on XGBoost decision tree for pultruded FRP composites exposed to water, humidity and alkaline solution. Composite Structures, 2022, 284, 115184.	5.8	27
8	Effect of Vacuum Environment on Micro Morphology and Porosity of Lunar Soil Concrete. Journal of Physics: Conference Series, 2022, 2160, 012023.	0.4	1
9	Novel joint for pultruded FRP beams and concrete-filled FRP columns: Conceptual and experimental investigations. Composite Structures, 2022, 287, 115339.	5.8	11
10	Long-term behavior of CFRP plates under sustained loads. Advances in Structural Engineering, 2022, 25, 939-953.	2.4	7
11	Flexural behavior of light steel purlins reinforced by prestressed CFRP laminates. Thin-Walled Structures, 2022, 174, 109125.	5.3	11
12	A comprehensive study on CFRP rapid portable bridge: Design, experimental investigation and finite element analysis. Composite Structures, 2022, 289, 115439.	5.8	5
13	Theoretical Analysis and Design of Prestressed CFRP-Reinforced Steel Columns. Journal of Composites for Construction, 2022, 26, .	3.2	6
14	Experimental study on loading-induced power generation decline of component-level flexible solar cells. Thin-Walled Structures, 2022, 175, 109231.	5.3	1
15	Axial compression behavior of pultruded GFRP channel sections. Composite Structures, 2022, 289, 115438.	5.8	10
16	Seismic performance of composite shear walls with embedded FCCCs in boundary elements. Composite Structures, 2021, 257, 113126.	5.8	15
17	A comprehensive overview of fibre-reinforced gypsum-based composites (FRGCs) in the construction field. Composites Part B: Engineering, 2021, 205, 108540.	12.0	65
18	A review on FRP-concrete hybrid sections for bridge applications. Composite Structures, 2021, 262, 113336.	5.8	64

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19	Advances in coral aggregate concrete and its combination with FRP: A state-of-the-art review. <i>Advances in Structural Engineering</i> , 2021, 24, 1161-1181.	2.4	39
20	Developing an innovative curved-pultruded large-scale GFRP arch beam. <i>Composite Structures</i> , 2021, 256, 113111.	5.8	26
21	An ultra-lightweight CFRP beam-string structure. <i>Composite Structures</i> , 2021, 257, 113149.	5.8	14
22	Column base joint made with ultrahigh-strength steel bars and steel tubular: An experimental study. <i>Engineering Structures</i> , 2021, 228, 111483.	5.3	14
23	Group effect of GFRP-timber bolted connections in tension. <i>Composite Structures</i> , 2021, 262, 113637.	5.8	4
24	Recyclable LRS FRP composites for engineering structures: Current status and future opportunities. <i>Composites Part B: Engineering</i> , 2021, 212, 108689.	12.0	54
25	Novel self-anchored CFRP cable system: Concept and anchorage behavior. <i>Composite Structures</i> , 2021, 263, 113736.	5.8	33
26	Pressure-dependent bond stress-slip model for sand-coated FRP-concrete interface. <i>Composite Structures</i> , 2021, 263, 113719.	5.8	11
27	Prestressed CFRP-reinforced steel columns under axial and eccentric compression. <i>Composite Structures</i> , 2021, 268, 113940.	5.8	24
28	Quasi-plastic flexural behavior of adhesive-bolt hybrid connection for large scale pultruded GFRP frame. <i>Engineering Structures</i> , 2021, 238, 112200.	5.3	5
29	Debonding development in cracked steel plates strengthened by CFRP laminates under fatigue loading: Experimental and boundary element method analysis. <i>Thin-Walled Structures</i> , 2021, 166, 108038.	5.3	30
30	Buckling behavior analysis of prestressed CFRP-reinforced steel columns via FEM and ANN. <i>Engineering Structures</i> , 2021, 245, 112853.	5.3	27
31	Fire behavior and design of steel columns reinforced by prestressed CFRP strips. <i>Composite Structures</i> , 2021, 275, 114516.	5.8	12
32	Durability evaluation of pultruded GFRP bay window structures. <i>Composite Structures</i> , 2021, 277, 114612.	5.8	0
33	Analysis-oriented model for FRP confined high-strength concrete: 3D interpretation of path dependency. <i>Composite Structures</i> , 2021, 278, 114695.	5.8	29
34	Compressive behavior of concrete-filled steel tubular columns with internal high-strength steel spiral confinement. <i>Advances in Structural Engineering</i> , 2021, 24, 1687-1708.	2.4	17
35	Compression behavior of large-scaled cylindrical GFRP chimney liner segments. <i>Composite Structures</i> , 2020, 232, 111543.	5.8	2
36	Determining rotational stiffness of flange-web junction of pultruded GFRP I-sections. <i>Composite Structures</i> , 2020, 236, 111843.	5.8	20

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37	Strengthening single-bolt timber joints with externally bonded CFRP composites. Structures, 2020, 28, 2671-2685.	3.6	8
38	Fatigue life of CFRP laminate strengthened high-strength steel plates under fatigue loadings. IOP Conference Series: Materials Science and Engineering, 2020, 768, 032040.	0.6	0
39	Axial Compressive Behavior of Square-Section Concrete Columns Transversely Reinforced with FRP Grids. Journal of Composites for Construction, 2020, 24, .	3.2	11
40	A comprehensive review on mechanical properties of pultruded FRP composites subjected to long-term environmental effects. Composites Part B: Engineering, 2020, 191, 107958.	12.0	197
41	Axial compressive behavior of engineered cementitious composite confined by fiber-reinforced polymer. Composite Structures, 2020, 243, 112191.	5.8	40
42	Kinked rebar configurations for improving the progressive collapse behaviours of RC frames under middle column removal scenarios. Engineering Structures, 2020, 211, 110425.	5.3	26
43	Flexural behavior of novel hybrid multicell GFRP-concrete beam. Composite Structures, 2020, 250, 112606.	5.8	22
44	Closure to "Bolted Shear Connection of FRP-Concrete Hybrid Beams" by Xingxing Zou, Peng Feng, and Jingquan Wang. Journal of Composites for Construction, 2020, 24, 07020004.	3.2	0
45	Enhancing flange local buckling strength of pultruded GFRP open-section beams. Composite Structures, 2020, 244, 112313.	5.8	11
46	Constitutive relations of coral aggregate concrete under uniaxial and triaxial compression. Construction and Building Materials, 2020, 251, 118957.	7.2	81
47	Crack propagation and debonding development of CFRP laminate strengthened high-strength steel plates under fatigue loadings. IOP Conference Series: Materials Science and Engineering, 2020, 768, 032047.	0.6	1
48	Modelling of hysteresis behaviour of moment-resisting timber joints strengthened with FRP composites. International Journal of Mechanical Sciences, 2020, 179, 105593.	6.7	6
49	Experimental and analytical studies on shear behaviors of FRP-concrete composite sections. Engineering Structures, 2020, 215, 110649.	5.3	27
50	Analysis-oriented models for FRP-confined concrete: 3D interpretation and general methodology. Engineering Structures, 2020, 216, 110749.	5.3	46
51	Exploiting spatial heterogeneity and response characterization in non-uniform architected materials inspired by slime mould growth. Bioinspiration and Biomimetics, 2019, 14, 064001.	2.9	1
52	Effects of the corrosion of main bar and stirrups on the bond behavior of reinforcing steel bar. Construction and Building Materials, 2019, 225, 13-28.	7.2	68
53	Cyclic loading behaviors of novel RC beams with kinked rebar configuration. Engineering Structures, 2019, 200, 109689.	5.3	7
54	Use of 3D laser scanning on evaluating reduction of initial geometric imperfection of steel column with pre-stressed CFRP. Engineering Structures, 2019, 198, 109527.	5.3	32

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55	Mechanical behavior of cylindrical GFRP chimney liners subjected to axial tension. Composites Part B: Engineering, 2019, 177, 107411.	12.0	6
56	Friction measurement and correction method in quasi-static tests of columns under combined axial and cyclic lateral loading. Advances in Structural Engineering, 2019, 22, 2672-2686.	2.4	2
57	Experimental Study on Uniaxial Compression of Bamboo Nodes Using 3D Scanning Technique. MATEC Web of Conferences, 2019, 275, 01022.	0.2	1
58	Vibration Serviceability Assessment of Pedestrian Bridges Based on Comfort Level. Journal of Performance of Constructed Facilities, 2019, 33, .	2.0	11
59	Bond behavior of basalt textile meshes in ultra-high ductility cementitious composites. Composites Part B: Engineering, 2019, 174, 107022.	12.0	54
60	FRP-confined concrete core-encased rebar for RC columns: Concept and axial compressive behavior. Composite Structures, 2019, 222, 110915.	5.8	22
61	Steel columns strengthened/reinforced by prestressed CFRP strips: Concepts and behaviors under axial compressive loads. Composite Structures, 2019, 217, 150-164.	5.8	25
62	Experimental Study on Uniaxial Compression of Bamboo Poles with Different Reinforcements. MATEC Web of Conferences, 2019, 275, 01023.	0.2	1
63	State-of-the-art review on the bond properties of corroded reinforcing steel bar. Construction and Building Materials, 2019, 213, 216-233.	7.2	121
64	Mechanical Properties of Structures 3D-Printed With Cementitious Powders. , 2019, , 181-209.		2
65	Seismic responses of postyield hardening single-degree-of-freedom systems incorporating high-strength elastic material. Earthquake Engineering and Structural Dynamics, 2019, 48, 611-633.	4.4	11
66	Behavior analysis of FRP tube/filling strengthened steel members under axial compression. Thin-Walled Structures, 2019, 134, 475-490.	5.3	12
67	Analytical model for the bond stress-slip relationship of deformed bars in normal strength concrete. Construction and Building Materials, 2019, 198, 570-586.	7.2	91
68	Progressive Collapse Resistance of GFRP-Strengthened RC Beam-Slab Subassemblages in a Corner Column-Removal Scenario. Journal of Composites for Construction, 2019, 23, .	3.2	31
69	Bolted Shear Connection of FRP-Concrete Hybrid Beams. Journal of Composites for Construction, 2018, 22, .	3.2	31
70	Erratum for "Fatigue Behavior of Cracked High-Strength Steel Plates Strengthened by CFRP Sheets" by Li Li Hu, Xiao Ling Zhao, and Peng Feng. Journal of Composites for Construction, 2018, 22, .	3.2	1
71	Seismic Performance of Hybrid Columns of Concrete-Filled Square Steel Tube with FRP-Confined Concrete Core. Journal of Composites for Construction, 2018, 22, .	3.2	34
72	FRP stay-in-place form and shear key connection for FRP-concrete hybrid beams/decks. Composite Structures, 2018, 192, 489-499.	5.8	40

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73	Progressive Collapse Resistance of GFRP Strengthened RC Substructures under a Column-Removal Scenario. , 2018, , .		0
74	Experimental Study of FRP-Reinforced Slotted RC Shear Walls under Cyclic Loading. Journal of Composites for Construction, 2018, 22, .	3.2	15
75	Fatigue damage propagation models for ductile fracture of ultrahigh toughness cementitious composites. International Journal of Damage Mechanics, 2017, 26, 919-932.	4.2	9
76	Bilinear softening model and double K fracture criterion for quasi-brittle fracture of pultruded FRP composites. Composite Structures, 2017, 160, 1119-1125.	5.8	24
77	Composite actions within steel-FRP composite beam systems with novel blind bolt shear connections. Engineering Structures, 2017, 138, 63-73.	5.3	32
78	Axial compressive behavior of seawater coral aggregate concrete-filled FRP tubes. Construction and Building Materials, 2017, 147, 272-285.	7.2	135
79	Buckling behavior of CFRP-aluminum alloy hybrid tubes in axial compression. Engineering Structures, 2017, 132, 624-636.	5.3	32
80	A novel kinked rebar configuration for simultaneously improving the seismic performance and progressive collapse resistance of RC frame structures. Engineering Structures, 2017, 147, 752-767.	5.3	40
81	Joint capacity of bonded sleeve connections for tubular fibre reinforced polymer members. Composite Structures, 2017, 163, 267-279.	5.8	35
82	Fatigue design of CFRP strengthened steel members. Thin-Walled Structures, 2017, 119, 482-498.	5.3	46
83	Buckling of piecewise member composed of steel and high-strength materials in axial compression. Thin-Walled Structures, 2017, 110, 62-74.	5.3	16
84	Mechanical Behavior and Design of FRP Structural Members at High and Low Service Temperatures. Journal of Composites for Construction, 2016, 20, .	3.2	32
85	Perforated FRP ribs for shear connecting of FRP-concrete hybrid beams/decks. Composite Structures, 2016, 152, 267-276.	5.8	50
86	Fatigue Behavior of Cracked High-Strength Steel Plates Strengthened by CFRP Sheets. Journal of Composites for Construction, 2016, 20, .	3.2	45
87	Compressive bearing capacity of CFRP-aluminum alloy hybrid tubes. Composite Structures, 2016, 140, 749-757.	5.8	40
88	Load-Strain Model for Steel-Concrete-FRP-Concrete Columns in Axial Compression. Journal of Composites for Construction, 2016, 20, .	3.2	38
89	Comparative Study on Static and Fatigue Performances of Pultruded GFRP Joints Using Ordinary and Blind Bolts. Journal of Composites for Construction, 2015, 19, .	3.2	47
90	Mechanical behavior of concrete-filled square steel tube with FRP-confined concrete core subjected to axial compression. Composite Structures, 2015, 123, 312-324.	5.8	275

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91	Study of GFRP Steel Buckling Restraint Braces. Journal of Composites for Construction, 2015, 19, 04015009.	3.2	37
92	Self-Luminous Fiber-Reinforced Polymer Composites for Structural Applications. Journal of Materials in Civil Engineering, 2015, 27, 04014120.	2.9	4
93	Mechanical properties of structures 3D printed with cementitious powders. Construction and Building Materials, 2015, 93, 486-497.	7.2	260
94	Mechanical behavior of FRP sheets reinforced 3D elements printed with cementitious materials. Composite Structures, 2015, 134, 331-342.	5.8	43
95	Bio-inspired Bridge Design. , 2015, , 235-254.		3
96	Mechanical Analysis of Stress Distribution in a Carbon Fiber-Reinforced Polymer Rod Bonding Anchor. Polymers, 2014, 6, 1129-1143.	4.5	33
97	Epoxy Enhanced by Recycled Milled Carbon Fibres in Adhesively-Bonded CFRP for Structural Strengthening. Polymers, 2014, 6, 76-92.	4.5	10
98	Structural art: Past, present and future. Engineering Structures, 2014, 79, 407-416.	5.3	13
99	Effects of corrosive environments on properties of pultruded GFRP plates. Composites Part B: Engineering, 2014, 67, 427-433.	12.0	100
100	Study on thermal effects on fatigue behavior of cracked steel plates strengthened by CFRP sheets. Thin-Walled Structures, 2014, 82, 311-320.	5.3	58
101	Effect of FRP-to-steel bonded joint configuration on interfacial stresses: Finite element investigation. Thin-Walled Structures, 2013, 62, 215-228.	5.3	29
102	The Gift from Nature: Bio-Inspired Strategy for Developing Innovative Bridges. Journal of Bionic Engineering, 2013, 10, 405-414.	5.0	23
103	Strengthening of steel members in compression by mortar-filled FRP tubes. Thin-Walled Structures, 2013, 64, 1-12.	5.3	64
104	Combination of Bamboo Filling and FRP Wrapping to Strengthen Steel Members in Compression. Journal of Composites for Construction, 2013, 17, 347-356.	3.2	42
105	EXPERIMENTAL STUDY ON BUCKLING RESISTANCE TECHNIQUE OF STEEL MEMBERS STRENGTHENED USING FRP. International Journal of Structural Stability and Dynamics, 2012, 12, 153-178.	2.4	25
106	Test on Hybrid Connection for Steel Bars in Concrete. Applied Mechanics and Materials, 2012, 166-169, 215-218.	0.2	1
107	The Linear Optimization Based on Static Analysis of Lightweight FRP Mobile Bridge. , 2011, , .		0
108	Experimental Study of GFRP-Concrete Hybrid Beams. , 2011, , 202-206.		0

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109	Mechanical Model and Analysis of FRP Woven Web Structures. , 2011, , 160-163.		0
110	GFRP-Concrete Hybrid Beams Under Flexural Loading: Experimental Investigation. Advanced Science Letters, 2011, 4, 1598-1601.	0.2	0
111	Using CFRP to Repair the Steel Pipe with Fatigue Cracks. Advanced Materials Research, 2010, 146-147, 1086-1089.	0.3	5
112	Experimental study on GFRP pipes under axial compression. Frontiers of Architecture and Civil Engineering in China, 2008, 2, 73-78.	0.4	7
113	Large-Span Woven Web Structure Made of Fiber-Reinforced Polymer. Journal of Composites for Construction, 2007, 11, 110-119.	3.2	25
114	A Large-Span Woven Web Suspension Roof System Made of High-Strength FRP. , 2004, , 426.		1
115	Experimental study on seismic strengthening of RC columns with wrapped CFRP sheets. Construction and Building Materials, 2003, 17, 499-506.	7.2	72
116	Finite Element Analysis of Mechanical Behavior of Light-Weight Mobile FRP Bridge. Advanced Materials Research, 0, 163-167, 1995-1998.	0.3	0
117	Experimental Investigation on Shear Behavior Of GFRP-Concrete Hybrid Beams. Advanced Materials Research, 0, 163-167, 3433-3439.	0.3	0
118	Study on Improvement for Seismic Behavior of Reinforced Concrete Shear Walls. Advanced Materials Research, 0, 368-373, 1396-1401.	0.3	0
119	Experimental Research on Flexural Behavior of FRP-Reinforced Concrete Beams. Advanced Materials Research, 0, 250-253, 1478-1482.	0.3	1