

Jun-Jie Zeng

List of Publications by Year in descending order

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2,594
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136885

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times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavior of FRP-confined FRP spiral reinforced concrete square columns (FCFRCs) under axial compression. <i>Journal of Building Engineering</i> , 2022, 45, 103452.	1.6	20
2	ECCs/UHPFRCCs with and without FRP reinforcement for structural strengthening/repairing: A state-of-the-art review. <i>Construction and Building Materials</i> , 2022, 316, 125824.	3.2	36
3	Behavior of concrete-filled FRP tube columns internally reinforced with FRP-steel composite bars under axial compression. <i>Construction and Building Materials</i> , 2022, 315, 125714.	3.2	15
4	Compressive and transverse shear behaviour of novel FRP-UHPC hybrid bars. <i>Composite Structures</i> , 2022, 281, 115001.	3.1	36
5	Bond strength of GFRP bars to high strength and ultra-high strength fiber reinforced seawater sea-sand concrete (SSC). <i>Composite Structures</i> , 2022, 281, 115013.	3.1	63
6	Design-oriented stress-strain model for FRP-confined ultra-high performance concrete (UHPC). <i>Construction and Building Materials</i> , 2022, 318, 126200.	3.2	66
7	Flexural behavior of hybrid FRP-concrete-steel double-skin tubular beams with PBL shear connectors. <i>Engineering Structures</i> , 2022, 254, 113840.	2.6	12
8	Behavior of GFRP-RC columns under axial compression: Assessment of existing models and a new axial load-strain model. <i>Journal of Building Engineering</i> , 2022, 47, 103782.	1.6	5
9	Fiber-Reinforced Polymer-Confined Non-Circular Columns with Shape Modification: A Comprehensive Review. <i>Polymers</i> , 2022, 14, 564.	2.0	7
10	Bond behavior between GFRP bars and seawater sea-sand fiber-reinforced ultra-high strength concrete. <i>Engineering Structures</i> , 2022, 254, 113787.	2.6	54
11	Novel FRP micro-bar reinforced UHPC permanent formwork for circular columns: Concept and compressive behavior. <i>Composite Structures</i> , 2022, 285, 115268.	3.1	13
12	A State-of-the-Art Review of FRP-Confined Steel-Reinforced Concrete (FCSRC) Structural Members. <i>Polymers</i> , 2022, 14, 677.	2.0	12
13	Behavior of hollow concrete-filled rectangular GFRP tube beams under bending. <i>Composite Structures</i> , 2022, 286, 115348.	3.1	7
14	Recent progress in buckling restrained braces: A review on material development and selection. <i>Advances in Structural Engineering</i> , 2022, 25, 1549-1564.	1.2	6
15	Cyclic Axial Compression Behavior of FRP-Confined Seawater Sea-Sand Concrete-Filled Stainless Steel Tube Stub Columns. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	4
16	Durability assessment of PEN/PET FRP composites based on accelerated aging in alkaline solution/seawater with different temperatures. <i>Construction and Building Materials</i> , 2022, 327, 126992.	3.2	22
17	Large-rupture-strain (LRS) FRP-confined concrete in square stub columns: Effects of specimen size and assessments of existing models. <i>Construction and Building Materials</i> , 2022, 326, 126869.	3.2	32
18	Behavior of hybrid PET FRP confined concrete-filled high-strength steel tube columns under eccentric compression. <i>Case Studies in Construction Materials</i> , 2022, 16, e00967.	0.8	3

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19	Seismic behavior of FRP-concrete-steel double skin tubular columns with a rib-stiffened Q690 steel tube and high-strength concrete. <i>Thin-Walled Structures</i> , 2022, 175, 109127.	2.7	15
20	Compressive Behavior of FRP Grid-Reinforced UHPC Tubular Columns. <i>Polymers</i> , 2022, 14, 125.	2.0	9
21	Stress-strain behavior and design-oriented model for FRP spiral strip-confined concrete. <i>Composite Structures</i> , 2022, 293, 115747.	3.1	21
22	Shear behavior of flexible-sleeve perfobond strip connectors: Experimental and analytical studies. <i>Engineering Structures</i> , 2022, 264, 114380.	2.6	3
23	Behavior of unconfined and polyethylene terephthalate (PET) FRP-confined coal reject concrete under compression. <i>Journal of Building Engineering</i> , 2022, 57, 104846.	1.6	1
24	Development and behavior of novel FRP-UHPC tubular members. <i>Engineering Structures</i> , 2022, 266, 114540.	2.6	25
25	Ultimate strain prediction of partially FRP confined concrete considering strain localization. <i>Construction and Building Materials</i> , 2022, 346, 128486.	3.2	3
26	Bond performance of FRP bars in plain and fiber-reinforced geopolymer under pull-out loading. <i>Journal of Building Engineering</i> , 2022, 57, 104893.	1.6	6
27	Behavior of FRP Ring-Confined CFST columns under axial compression. <i>Composite Structures</i> , 2021, 257, 113166.	3.1	60
28	Recyclable LRS FRP composites for engineering structures: Current status and future opportunities. <i>Composites Part B: Engineering</i> , 2021, 212, 108689.	5.9	54
29	Three-dimensional finite element modeling and theoretical analysis of concrete confined with FRP rings. <i>Engineering Structures</i> , 2021, 234, 111966.	2.6	45
30	Compressive behavior of FRP-confined elliptical concrete-filled high-strength steel tube columns. <i>Composite Structures</i> , 2021, 266, 113808.	3.1	20
31	Large-Scale FRP-Confined Rectangular RC Columns with Section Curvilinearization under Axial Compression. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	25
32	Axial compressive behavior of FRP-concrete-steel double skin tubular columns with a rib-stiffened Q690 steel tube and ultra-high strength concrete. <i>Composite Structures</i> , 2021, 268, 113912.	3.1	34
33	Mechanical behavior of large-rupture-strain (LRS) polyethylene naphthalene fiber bundles at different strain rates and temperatures. <i>Construction and Building Materials</i> , 2021, 297, 123786.	3.2	21
34	Novel ultra-high-performance concrete composite plates reinforced with FRP grid: Development and mechanical behaviour. <i>Composite Structures</i> , 2021, 269, 114033.	3.1	34
35	Axial compression tests on elliptical high strength steel tubes filled with self-compacting concrete of different mix proportions. <i>Journal of Building Engineering</i> , 2021, 40, 102678.	1.6	12
36	Behavior of FRP spiral strip-confined concrete under cyclic axial compression. <i>Construction and Building Materials</i> , 2021, 295, 123544.	3.2	31

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37	Dynamic responses of hybrid FRP-concrete-steel double-skin tubular column (DSTC) under lateral impact. <i>Structures</i> , 2021, 32, 1115-1144.	1.7	18
38	Compressive behavior of heat-damaged square concrete prisms confined with basalt fiber-reinforced polymer jackets. <i>Engineering Structures</i> , 2021, 242, 112504.	2.6	33
39	Rate-dependent compressive behavior of concrete confined with Large-Rupture-Strain (LRS) FRP. <i>Composite Structures</i> , 2021, 272, 114199.	3.1	31
40	Axial impact behavior of Large-Rupture-Strain (LRS) fiber reinforced polymer (FRP)-confined concrete cylinders. <i>Composite Structures</i> , 2021, 276, 114563.	3.1	16
41	Experimental study on flexural behavior of concrete beam reinforced with GFRP and steel-fiber composite bars. <i>Journal of Building Engineering</i> , 2021, 43, 103087.	1.6	23
42	Compressive behavior of FRP-confined ultra-high performance concrete (UHPC) in circular columns. <i>Engineering Structures</i> , 2021, 249, 113246.	2.6	96
43	Fatigue behavior of RC beams strengthened with CFRP laminate under hot-wet environments and vehicle random loads coupling. <i>International Journal of Fatigue</i> , 2020, 131, 105329.	2.8	14
44	Influence of concrete mix proportions on axial performance of concrete-filled steel tubes made with self-compacting concrete. <i>Advances in Structural Engineering</i> , 2020, 23, 835-846.	1.2	13
45	Axial compressive behavior of polyethylene terephthalate/carbon FRP-confined seawater sea-sand concrete in circular columns. <i>Construction and Building Materials</i> , 2020, 234, 117383.	3.2	158
46	Novel fiber-reinforced polymer cross wrapping strengthening technique: A comparative study. <i>Advances in Structural Engineering</i> , 2020, 23, 979-996.	1.2	32
47	Static and dynamic mechanical behavior of engineered cementitious composites with PP and PVA fibers. <i>Journal of Building Engineering</i> , 2020, 29, 101097.	1.6	48
48	Fiber reinforced polymer-confined concrete under high strain rate compression: Behavior and a unified dynamic strength model. <i>Construction and Building Materials</i> , 2020, 260, 120460.	3.2	18
49	Compressive behavior of FRP-wrapped seawater sea-sand concrete with a square cross-section. <i>Construction and Building Materials</i> , 2020, 262, 120881.	3.2	42
50	Polyethylene terephthalate fibre-reinforced polymer-confined concrete encased high-strength steel tube hybrid square columns: Axial compression tests. <i>Structures</i> , 2020, 28, 577-588.	1.7	19
51	Behavior of FRP-confined sea-sand concrete columns with a prefabricated concrete-filled FRP-steel core. <i>Composites Part C: Open Access</i> , 2020, 2, 100042.	1.5	2
52	Effective usage of high strength steel tubes: Axial compressive behavior of hybrid FRP-concrete-steel solid columns. <i>Thin-Walled Structures</i> , 2020, 154, 106796.	2.7	43
53	Axial compressive behavior of concrete-filled FRP-steel wire reinforced thermoplastics pipe hybrid columns. <i>Composite Structures</i> , 2020, 244, 112237.	3.1	31
54	Experimental Investigation of the Hybrid FRP-UHPC-Steel Double-Skin Tubular Columns under Lateral Impact Loading. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	38

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55	Stress-strain behavior of polyethylene terephthalate fiber-reinforced polymer-confined normal-, high- and ultra high-strength concrete. <i>Journal of Building Engineering</i> , 2020, 30, 101243.	1.6	44
56	FRP-confined recycled glass aggregate concrete: Concept and axial compressive behavior. <i>Journal of Building Engineering</i> , 2020, 30, 101288.	1.6	29
57	PET FRP-concrete-high strength steel hybrid solid columns with strain-hardening and ductile performance: Cyclic axial compressive behavior. <i>Composites Part B: Engineering</i> , 2020, 190, 107903.	5.9	56
58	FRP-Confined Square Concrete Columns with Section Curvilinearization under Axial Compression. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	38
59	Experimental study of seismic performance of full-scale basalt FRP-recycled aggregate concrete-steel tubular columns. <i>Thin-Walled Structures</i> , 2020, 151, 106185.	2.7	26
60	Rectangular double-tube concrete columns with an internal elliptical high-strength steel tube: Concept and behavior. <i>Engineering Structures</i> , 2020, 216, 110742.	2.6	38
61	Behavior of large-scale FRP-confined rectangular RC columns under eccentric compression. <i>Engineering Structures</i> , 2020, 216, 110759.	2.6	55
62	Behavior of Fiber-Reinforced Polymer-Confined High-Strength Concrete under Split-Hopkinson Pressure Bar (SHPB) Impact Compression. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2830.	1.3	14
63	Compressive behavior of FRP ring-confined concrete in circular columns: Effects of specimen size and a new design-oriented stress-strain model. <i>Construction and Building Materials</i> , 2019, 201, 350-368.	3.2	74
64	Stress-Strain Behavior of Circular Concrete Columns Partially Wrapped with FRP Strips. <i>Structural Integrity</i> , 2019, , 50-54.	0.8	0
65	Behavior of Partially and Fully FRP-Confined Circularized Square Columns (CSCs) Under Axial Compression. <i>Structural Integrity</i> , 2019, , 44-49.	0.8	1
66	Stress-strain behavior of concrete in circular concrete columns partially wrapped with FRP strips. <i>Composite Structures</i> , 2018, 200, 810-828.	3.1	86
67	Confined Concrete in Fiber-Reinforced Polymer Partially Wrapped Square Columns: Axial Compressive Behavior and Strain Distributions by a Particle Image Velocimetry Sensing Technique. <i>Sensors</i> , 2018, 18, 4118.	2.1	39
68	Behavior and Three-Dimensional Finite Element Modeling of Circular Concrete Columns Partially Wrapped with FRP Strips. <i>Polymers</i> , 2018, 10, 253.	2.0	49
69	Compressive behavior of double-tube concrete columns with an outer square FRP tube and an inner circular high-strength steel tube. <i>Construction and Building Materials</i> , 2018, 184, 668-680.	3.2	56
70	Behavior of large-scale FRP-confined rectangular RC columns under axial compression. <i>Engineering Structures</i> , 2018, 174, 629-645.	2.6	139
71	Interfacial behavior and debonding failures of full-scale CFRP-strengthened H-section steel beams. <i>Composite Structures</i> , 2018, 201, 540-552.	3.1	52
72	PVD-CrAlN and TiAlN coated Si ₃ N ₄ ceramic cutting inserts-2. High speed face milling performance and wear mechanism study. <i>Ceramics International</i> , 2017, 43, 9488-9492.	2.3	23

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73	PVD-CrAlN and TiAlN coated Si ₃ N ₄ ceramic cutting tools 1. Microstructure, turning performance and wear mechanism. <i>Ceramics International</i> , 2017, 43, 8999-9004.	2.3	44
74	Behavior of partially and fully FRP-confined circularized square columns under axial compression. <i>Construction and Building Materials</i> , 2017, 152, 319-332.	3.2	105
75	Experimental behaviour of FRP-confined large-scale curvilinearized rectangular RC columns under axial compression. , 2015, , .		1
76	Cutting performance and wear mechanism of TiAlN/Al ₂ O ₃ coated silicon nitride ceramic cutting inserts. <i>Ceramics International</i> , 2014, 40, 9615-9620.	2.3	36
77	Microstructure of TiAlN and CrAlN coatings and cutting performance of coated silicon nitride inserts in cast iron turning. <i>Ceramics International</i> , 2014, 40, 9889-9894.	2.3	60
78	Continuous and varied depth-of-cut turning of gray cast iron by using uncoated and TiN/Al ₂ O ₃ coated silicon nitride-based ceramic tools. <i>Ceramics International</i> , 2014, 40, 12245-12251.	2.3	22
79	Theoretical Model for Novel Frp-Uhpc Hybrid Bars. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
80	Durability Assessment of Pen/Pet Frp Composites Based on Accelerated Aging in Alkaline Solution/Seawater with Different Temperatures. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
81	Experimental Study on Dynamic Compressive Behavior of Flax Fiber Reinforced Recycled Concrete. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0