Weiqiang Wang

List of Publications by Year
in descending order

27 papers	778 citations	471061 17 h-index	580395 25 g-index
27 all docs	27 docs citations	27 times ranked	417 citing authors

#	Article	IF	Citations
1	Compressive behavior of ultra-high performance fiber-reinforced concrete (UHPFRC) confined with FRP. Composite Structures, 2018, 204, 419-437.	3.1	79
2	Compressive behaviour of partially FRP confined concrete: Experimental observations and assessment of the stress-strain models. Construction and Building Materials, 2018, 192, 785-797.	3.2	73
3	Behavior of ultra-high performance fiber-reinforced concrete (UHPFRC) filled steel tubular members under lateral impact loading. International Journal of Impact Engineering, 2019, 132, 103314.	2.4	53
4	Axial compressive behaviour of GFRP tube reinforced concrete columns. Construction and Building Materials, 2015, 81, 198-207.	3.2	49
5	Compressive behavior of hybrid double-skin tubular columns with ultra-high performance fiber-reinforced concrete (UHPFRC). Engineering Structures, 2019, 180, 419-441.	2.6	46
6	Behaviour of concrete-encased concrete-filled FRP tube (CCFT) columns under axial compression. Engineering Structures, 2017, 147, 256-268.	2.6	42
7	Experimental Investigation of the Hybrid FRP-UHPC-Steel Double-Skin Tubular Columns under Lateral Impact Loading. Journal of Composites for Construction, 2020, 24, .	1.7	38
8	Rectangular double-tube concrete columns with an internal elliptical high-strength steel tube: Concept and behavior. Engineering Structures, 2020, 216, 110742.	2.6	38
9	Behaviour of perforated GFRP tubes under axial compression. Thin-Walled Structures, 2015, 95, 88-100.	2.7	37
10	Axial compressive behaviour of concrete confined with polymer grid. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3893-3908.	1.3	33
11	Multi-Image-Feature-Based Hierarchical Concrete Crack Identification Framework Using Optimized SVM Multi-Classifiers and Dâ€"S Fusion Algorithm for Bridge Structures. Remote Sensing, 2021, 13, 240.	1.8	33
12	Comparative Investigation of Phenomenological Modeling for Hysteresis Responses of Magnetorheological Elastomer Devices. International Journal of Molecular Sciences, 2019, 20, 3216.	1.8	32
13	Axial compressive behavior of concrete-filled FRP-steel wire reinforced thermoplastics pipe hybrid columns. Composite Structures, 2020, 244, 112237.	3.1	31
14	Lateral impact behavior of double-skin steel tubular (DST) members with ultra-high performance fiber-reinforced concrete (UHPFRC). Thin-Walled Structures, 2019, 144, 106351.	2.7	30
15	Numerical Simulation of Hybrid FRP-Concrete-Steel Double-Skin Tubular Columns under Close-Range Blast Loading. Journal of Composites for Construction, 2018, 22, .	1.7	29
16	Eccentrically Loaded FRP Confined Concrete with Different Wrapping Schemes. Journal of Composites for Construction, 2018, 22, .	1.7	27
17	Experimental Study on FRP Tube Reinforced Concrete Columns under Different Loading Conditions. Journal of Composites for Construction, 2016, 20, .	1.7	24
18	Dynamic responses of hybrid FRP-concrete-steel double-skin tubular column (DSTC) under lateral impact. Structures, 2021, 32, 1115-1144.	1.7	18

#	Article	IF	Citations
19	Experimental study on residual axial bearing capacity of UHPFRC-filled steel tubes after lateral impact loading. Structures, 2020, 26, 549-561.	1.7	16
20	Seepage dissolution effect prediction on aging deformation of concrete dams by coupled chemo-mechanical model. Construction and Building Materials, 2020, 237, 117603.	3.2	11
21	Behavior of FRP confined UHPFRC-filled steel tube columns under axial compressive loading. Journal of Building Engineering, 2020, 32, 101511.	1.6	11
22	Behavior of CFRP-UHPFRC-steel double skin tubular columns against low-velocity impact. Composite Structures, 2021, 261, 113284.	3.1	8
23	Mechanism and optimum design of shared tuned mass damper for twin-tower structures connected at the top by an isolated corridor. Structural Design of Tall and Special Buildings, 2020, 29, e1728.	0.9	7
24	Flexural Tensile Behavior of Single and Novel Multiple Hooked-End Steel Fiber–Reinforced Notched Concrete Beams. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	7
25	A Damage Model of Ultra High Performance Concrete and its Application in Seismic Design of Gravity Dam. IOP Conference Series: Earth and Environmental Science, 0, 233, 032019.	0.2	3
26	Ultimate strain prediction of partially FRP confined concrete considering strain localization. Construction and Building Materials, 2022, 346, 128486.	3.2	3
27	Numerical Simulation of FRP-Concrete-Steel Double-Skin Tubular Column Under Lateral Impact Loading. Lecture Notes in Civil Engineering, 2020, , 467-476.	0.3	0