

Wei Zhang

List of Publications by Year in descending order

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38
papers

960
citations

430442

18
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39
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation on Rehabilitation of Corroded RC Columns with BSP and HPFL under Combined Loadings. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	80
2	Experimental study on circular steel tube-confined reinforced UHPC columns under axial loading. <i>Engineering Structures</i> , 2021, 230, 111599.	2.6	76
3	Experimental study of predamaged columns strengthened by HPFL and BSP under combined load cases. <i>Structure and Infrastructure Engineering</i> , 2021, 17, 1210-1227.	2.0	68
4	Property Assessment of High-Performance Concrete Containing Three Types of Fibers. <i>International Journal of Concrete Structures and Materials</i> , 2021, 15, .	1.4	61
5	Seismic behavior of a replaceable artificial controllable plastic hinge for precast concrete beam-column joint. <i>Engineering Structures</i> , 2021, 245, 112848.	2.6	57
6	Seismic Behavior of Strengthened RC Columns under Combined Loadings. <i>Journal of Bridge Engineering</i> , 2022, 27, .	1.4	50
7	Numerical analysis on steel-concrete-steel sandwich plates by damage plasticity model: From materials to structures. <i>Construction and Building Materials</i> , 2017, 149, 801-815.	3.2	46
8	Torsion design of CFRP-CFST columns using a data-driven optimization approach. <i>Engineering Structures</i> , 2022, 251, 113479.	2.6	39
9	Numerical Modeling of Response of CFRP-Concrete Interfaces Subjected to Fatigue Loading. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	38
10	Numerical investigation on the bearing capacity of RC columns strengthened by HPFL-BSP under combined loadings. <i>Journal of Building Engineering</i> , 2021, 39, 102266.	1.6	36
11	Mixed-Mode Debonding Behavior between CFRP Plates and Concrete under Fatigue Loading. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	35
12	Assessment of FRP-Concrete Interfacial Debonding with Coupled Mixed-Mode Cohesive Zone Model. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	34
13	Seismic behavior of precast concrete beam-column joints with steel strand inserts under cyclic loading. <i>Engineering Structures</i> , 2020, 216, 110766.	2.6	34
14	Bond behavior between lightweight aggregate concrete and normal weight concrete based on splitting-tensile test. <i>Construction and Building Materials</i> , 2019, 209, 306-314.	3.2	29
15	Experimental study on seismic performance of square RC columns subjected to combined loadings. <i>Engineering Structures</i> , 2019, 184, 194-204.	2.6	27
16	Bond properties between GFRP bars and hybrid fiber-reinforced concrete containing three types of artificial fibers. <i>Construction and Building Materials</i> , 2020, 250, 118857.	3.2	27
17	Progressive collapse of multistory 3D reinforced concrete frame structures after the loss of an edge column. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 249-265.	2.0	21
18	Assessment of RC Frame Capacity Subjected to a Loss of Corner Column. <i>Journal of Structural Engineering</i> , 2022, 148, .	1.7	21

#	ARTICLE	IF	CITATIONS
19	Reinforced ultra-lightweight cement composite flat slabs: Experiments and analysis. <i>Materials and Design</i> , 2016, 95, 148-158.	3.3	20
20	Numerical studies on shear resistance of headed stud connectors in different concretes under Arctic low temperature. <i>Materials and Design</i> , 2016, 112, 184-196.	3.3	19
21	Progressive collapse resistance of multistory RC frame strengthened with HPFL-BSP. <i>Journal of Building Engineering</i> , 2021, 43, 103123.	1.6	18
22	Microstructure investigation of the interface between lightweight concrete and normal-weight concrete. <i>Materials Today Communications</i> , 2019, 21, 100640.	0.9	15
23	Experimental study on the mechanical properties and the microstructure of hybrid fiber-reinforced concrete under an early stage. <i>Structural Concrete</i> , 2020, 21, 1106-1122.	1.5	15
24	Experimental study on shear-peeling bond strength between a CFRP plate and concrete. <i>Magazine of Concrete Research</i> , 2016, 68, 568-580.	0.9	13
25	Local Bond Stress-Slip Relationship between Carbon Fiber-Reinforced Polymer Plates and Concrete under Fatigue Loading. <i>ACI Structural Journal</i> , 2014, 111, .	0.3	12
26	Seismic performance of predamaged RC columns strengthened with HPFL and BSP under combined loadings. <i>Engineering Structures</i> , 2020, 203, 109871.	2.6	11
27	Prediction of the Bond-Slip Law Between Externally Bonded Concrete Substrates and CFRP Plates Under Fatigue Loading. <i>International Journal of Civil Engineering</i> , 2018, 16, 1085-1096.	0.9	10
28	Numerical analysis of self-centering energy dissipation brace with arc steel plate for seismic resistance. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105751.	1.9	9
29	Experimental study on fatigue behaviour of CFRP plates externally bonded to concrete substrate. <i>Structural Concrete</i> , 2016, 17, 235-244.	1.5	7
30	Seismic behavior of strengthened square reinforced concrete columns under combined loadings. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 1468-1484.	2.0	7
31	Flexural strengthening of RC beams with externally bonded CFRP plate: experimental study on shear-peeling debonding. <i>Magazine of Concrete Research</i> , 2016, 68, 724-738.	0.9	6
32	Fatigue properties of shear-peeling debonding between CFRP plates and concrete. <i>Magazine of Concrete Research</i> , 2016, 68, 1210-1224.	0.9	6
33	Prediction of the elastoplastic in-plane buckling of parabolic steel arch bridges. <i>Journal of Constructional Steel Research</i> , 2020, 168, 105988.	1.7	5
34	Analysis of Wind-Induced Vibration of a Spoke-Wise Cable-Membrane Structure. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 603.	1.2	3
35	Experimental and Numerical Study of Mechanical Behavior of Welded Steel Plate Joints. <i>Metals</i> , 2020, 10, 1293.	1.0	2
36	Post-earthquake strength assessment of a steel bridge considering material strength degradation. <i>Structure and Infrastructure Engineering</i> , 2021, 17, 331-346.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Experimental and Numerical Analysis of the Behavior of Beam-Column Connections with Reinforced Side Plates. <i>Metals</i> , 2022, 12, 810.	1.0	1
38	Bond Properties of Additional Anchorage Schemes for a CFRP Plate-Concrete Externally Bonded System. <i>ACI Structural Journal</i> , 2017, 114, .	0.3	0