

Zeyang Sun

List of Publications by Year in descending order

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328
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#	ARTICLE	IF	CITATIONS
1	Mechanical Properties of Steel-FRP Composite Bar under Uniaxial and Cyclic Tensile Loads. Journal of Materials in Civil Engineering, 2010, 22, 1056-1066.	1.3	111
2	Experimental study on flexural behavior of concrete beams reinforced by steel-fiber reinforced polymer composite bars. Journal of Reinforced Plastics and Composites, 2012, 31, 1737-1745.	1.6	83
3	Experimental study on concrete columns reinforced by hybrid steel-fiber reinforced polymer (FRP) bars under horizontal cyclic loading. Construction and Building Materials, 2017, 130, 202-211.	3.2	67
4	Experimental study on the flexural behavior of concrete beams reinforced with bundled hybrid steel/FRP bars. Engineering Structures, 2019, 197, 109443.	2.6	66
5	A flexure-shear Timoshenko fiber beam element based on softened damage-plasticity model. Engineering Structures, 2017, 140, 483-497.	2.6	53
6	Seismic Behavior of Concrete Columns Reinforced by Steel-FRP Composite Bars. Journal of Composites for Construction, 2011, 15, 696-706.	1.7	51
7	Mechanical Properties of Steel-FRP Composite Bars (SFCBs) and Performance of SFCB Reinforced Concrete Structures. Advances in Structural Engineering, 2012, 15, 625-635.	1.2	51
8	Post-yield stiffnesses and residual deformations of RC bridge columns reinforced with ordinary rebars and steel fiber composite bars. Engineering Structures, 2010, 32, 2969-2983.	2.6	49
9	Nonlinear Behavior and Simulation of Concrete Columns Reinforced by Steel-FRP Composite Bars. Journal of Bridge Engineering, 2014, 19, 220-234.	1.4	33
10	Flexural strengthening of concrete beams with near-surface mounted steel-fiber-reinforced polymer composite bars. Journal of Reinforced Plastics and Composites, 2011, 30, 1529-1537.	1.6	26
11	Experimental study of concrete beams reinforced with hybrid bars (SFCBs and BFRP bars). Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	24
12	Cyclic behavior of concrete columns reinforced with partially unbonded hybrid. Engineering Structures, 2017, 131, 311-323.	2.6	22
13	Bond-slip behavior of bundled steel/FRP bars and its implementation in high-fidelity FE modeling of reinforced concrete beams. Construction and Building Materials, 2021, 286, 122887.	3.2	15
14	Compressive Behavior of Sustainable Steel-FRP Composite Bars with Different Slenderness Ratios. Sustainability, 2019, 11, 1118.	1.6	14
15	Mechanical Properties of Steel-FRP Composite Bars under Tensile and Compressive Loading. International Journal of Polymer Science, 2017, 2017, 1-11.	1.2	13
16	Moment-Curvature Behaviors of Concrete Beams Singly Reinforced by Steel-FRP Composite Bars. Advances in Civil Engineering, 2017, 2017, 1-14.	0.4	10
17	Seismic Performance of Underwater Bridge Columns Strengthened with Prestressed-Concrete Panels and FRP Reinforcement. Journal of Composites for Construction, 2019, 23, .	1.7	10
18	Experimental Study on Cyclic Behavior of SFCBs with Different Slenderness Ratios. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	9

#	ARTICLE	IF	CITATIONS
19	Bond performance between SFCBs and grouted sleeves for precast concrete structures. <i>Advances in Structural Engineering</i> , 2021, 24, 2857-2869.	1.2	5
20	Shaking table test of concrete columns hybrid reinforced by steel/FRP bars. <i>Journal of Building Engineering</i> , 2022, 48, 103938.	1.6	5
21	Numerical Study on Seismic Behavior of Underwater Bridge Columns Strengthened with Prestressed Precast Concrete Panels and Fiber-Reinforced Polymer Reinforcements. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-15.	1.2	4
22	A Probabilistic Framework for Robustness Quantification of Precast Concrete Frames under Seismic Loading. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3814.	1.3	1