Li-Yan Xu

List of Publications by Year
in descending order

17 papers	398 citations	933447 10 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	224 citing authors

#	Article	IF	Citations
1	Novel design method for reinforced concrete decks in composite girders considering compressive membrane action. Engineering Structures, 2021, 229, 111558.	5.3	8
2	Cyclic softening behavior of structural steel with strain range dependence. Journal of Constructional Steel Research, 2021, 181, 106658.	3.9	11
3	Analysis of Equivalent Flexural Stiffness of Steelâ€"Concrete Composite Beams in Frame Structures. Applied Sciences (Switzerland), 2021, 11, 10305.	2.5	3
4	An improved elasto-plastic constitutive model for the exquisite description of stress-strain hysteresis loops with cyclic hardening and softening effects. Mechanics of Materials, 2020, 150, 103590.	3.2	22
5	A general deep learning framework for history-dependent response prediction based on UA-Seq2Seq model. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113357.	6.6	39
6	Ratcheting assessment of low yield point steel BLY160: Experimental analysis and constitutive modelling. Mechanics of Materials, 2020, 148, 103460.	3.2	8
7	Cyclic hardening and softening behavior of the low yield point steel: Implementation and validation. Engineering Structures, 2020, 210, 110220.	5.3	28
8	Seismic behavior of highly irregular structures with multiple passive energy dissipation system: Case study of a singleâ€column elevated station. Structural Design of Tall and Special Buildings, 2020, 29, e1713.	1.9	10
9	Influence of slab spatial composite effect on dynamic behaviour of composite frame structures under earthquake excitation. Bulletin of Earthquake Engineering, 2019, 17, 3071-3094.	4.1	7
10	Rational modeling for cracking behavior of RC slabs in composite beams subjected to a hogging moment. Construction and Building Materials, 2018, 192, 357-365.	7.2	19
11	Analytical model and design formulae of circular CFSTs under axial tension. Journal of Constructional Steel Research, 2017, 133, 214-230.	3.9	13
12	Whole-process crack width prediction of reinforced concrete structures considering bonding deterioration. Engineering Structures, 2017, 142, 240-254.	5.3	13
13	Experimental study on confining-strengthening, confining-stiffening, and fractal cracking of circular concrete filled steel tubes under axial tension. Engineering Structures, 2017, 133, 186-199.	5.3	10
14	Modeling Techniques for Strain-Range-Dependent Hardening Behavior of Low-Yield-Point Steel Shear Panel Dampers. Journal of Structural Engineering, 2017, 143, 04017172.	3.4	12
15	Cyclic behaviour of low-yield-point steel shear panel dampers. Engineering Structures, 2016, 126, 391-404.	5.3	94
16	Cyclic hardening and softening behavior of the low yield point steel BLY160: Experimental response and constitutive modeling. International Journal of Plasticity, 2016, 78, 44-63.	8.8	98
17	Experiment Investigation and Numerical Analysis on the Low-Yield-Point Steel Shear Panel Dampers. , 2014, , .		3