

Yiyi Chen

List of Publications by Year in descending order

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41
papers

760
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41
all docs

41
docs citations

41
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Performance of Self-centering Steel Frames with SMA-viscoelastic Hybrid Braces. Journal of Earthquake Engineering, 2022, 26, 5004-5031.	2.5	57
2	A constitutive model for various structural steels considering shared hysteretic behaviors. Journal of Constructional Steel Research, 2021, 176, 106421.	3.9	11
3	Seismic robustness of self-centering braced frames suffering tendon failure. Earthquake Engineering and Structural Dynamics, 2021, 50, 1671-1691.	4.4	33
4	Experimental and modeling study of uniaxial cyclic behaviors of structural steel under ascending/descending strain amplitude-controlled loading. Construction and Building Materials, 2021, 278, 122276.	7.2	13
5	Experimental and modeling study of cyclic plasticity and ductile fracture of thin structural steel sheets. Thin-Walled Structures, 2021, 162, 107658.	5.3	9
6	Auto-Regressive Integrated Moving-Average Machine Learning for Damage Identification of Steel Frames. Applied Sciences (Switzerland), 2021, 11, 6084.	2.5	17
7	Probabilistic economic seismic loss estimation of steel braced frames incorporating emerging self-centering technologies. Engineering Structures, 2021, 241, 112486.	5.3	43
8	A ductile tearing assessment diagram to estimate load resistance versus crack extension for welded connections with surface cracks. Thin-Walled Structures, 2021, 169, 108435.	5.3	8
9	Loading protocols for experimental seismic qualification of members in conventional and emerging steel frames. Earthquake Engineering and Structural Dynamics, 2020, 49, 155-174.	4.4	55
10	A reversed $\hat{\Gamma}$ approach to estimate load-deformation curves for fracture specimens and surface-cracked pipes. Theoretical and Applied Fracture Mechanics, 2020, 106, 102485.	4.7	4
11	SMA-Based Low-Damage Solution for Self-Centering Steel and Composite Beam-to-Column Connections. Journal of Structural Engineering, 2020, 146, .	3.4	31
12	Behavior and Design of Self-Centering Energy Dissipative Devices Equipped with Superelastic SMA Ring Springs. Journal of Structural Engineering, 2019, 145, .	3.4	60
13	Experiment and constitutive modeling on cyclic plasticity behavior of LYP100 under large strain range. Construction and Building Materials, 2019, 202, 507-521.	7.2	19
14	A node release approach to estimate J - R curve for single edge notched tension specimen under reversed loading. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1595-1608.	3.4	9
15	Fracture resistance curve for single edge notched tension specimens under low cycle actions. Engineering Fracture Mechanics, 2019, 211, 47-60.	4.3	15
16	Experimental Evaluation of Replaceable Energy Dissipation Connection for Moment-Resisting Composite Steel Frames. Journal of Structural Engineering, 2018, 144, .	3.4	44
17	Seismic Behavior of Self-Centering Modular Panel with Slit Steel Plate Shear Walls: Experimental Testing. Journal of Structural Engineering, 2018, 144, .	3.4	40
18	Experimental study on the static performance of steel reinforced concrete columns with high encased steel ratios. Structural Design of Tall and Special Buildings, 2018, 27, e1536.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Application of an Innovative SMA Ring Spring System for Self-Centering Steel Frames Subject to Seismic Conditions. <i>Journal of Structural Engineering</i> , 2018, 144, .	3.4	60
20	Experimental Investigation of Beam-Through Steel Frames with Self-Centering Modular Panels. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	29
21	Dynamic material performance of cold-formed steel hollow sections: a state-of-the-art review. <i>Frontiers of Structural and Civil Engineering</i> , 2017, 11, 209-227.	2.9	11
22	Damage-control evaluation of high-strength steel frames with energy dissipation bays. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017, 170, 677-692.	0.8	8
23	11.14: Seismic performance of high-strength-steel frame with buckling hinge beams in energy dissipation bays. <i>Ce/Papers</i> , 2017, 1, 2946-2955.	0.3	1
24	High-strength steel for resilience of beam-through frames. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017, 170, 664-676.	0.8	2
25	Experimental investigation on fatigue strength of joints between SRC beams and concrete-filled RHS columns. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 1802-1811.	1.9	1
26	Experimental study on cyclic behavior of cast steel connectors for beam-to-column joints. <i>Advances in Structural Engineering</i> , 2016, 19, 1677-1695.	2.4	5
27	Details of H-Beam-to-RHS Column Joints with through Diaphragm for Progressive Collapse Prevention. <i>Advances in Structural Engineering</i> , 2015, 18, 1723-1736.	2.4	1
28	Three-Dimensional Cyclic Performance on New Ring-Beam Connection between Concrete-Filled Tubular Column and Reinforced-Concrete Beams. <i>Advances in Structural Engineering</i> , 2015, 18, 1287-1302.	2.4	10
29	Dependence of the cyclic response of structural steel on loading history under large inelastic strains. <i>Journal of Constructional Steel Research</i> , 2015, 104, 64-73.	3.9	32
30	Cyclic stress-strain behavior of structural steel with yield strength up to 460 N/mm ² . <i>Frontiers of Structural and Civil Engineering</i> , 2014, 8, 178-186.	2.9	19
31	Experimental and numerical investigations of high strength steel welded h-section columns. <i>International Journal of Steel Structures</i> , 2013, 13, 209-218.	1.3	26
32	Seismic performance of floor-by-floor assembled steel braced structures with stiffened connections. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2013, 6, 112-118.	0.4	4
33	Effect of Loading Protocols on the Hysteresis Behaviour of Hot-Rolled Structural Steel with Yield Strength up to 420 MPa. <i>Advances in Structural Engineering</i> , 2013, 16, 707-719.	2.4	16
34	Experimental investigation on fatigue behavior of steel reinforced concrete composite beam-to-girder joints. <i>International Journal of Steel Structures</i> , 2012, 12, 461-472.	1.3	7
35	Experimental behavior of transfer story connections for high-rise SRC structures under seismic loading. <i>Earthquake Engineering and Structural Dynamics</i> , 2011, 40, 961-975.	4.4	5
36	Bidirectional seismic performance of steel beam to circular tubular column connections with outer diaphragm. <i>Earthquake Engineering and Structural Dynamics</i> , 2011, 40, 1063-1081.	4.4	34

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37	Seismic performance of prestressed concrete stand structure supporting retractable steel roof. Frontiers of Architecture and Civil Engineering in China, 2009, 3, 117-124.	0.4	1
38	Initial stiffness and moment resistance of reinforced joint with end-plate connection. Frontiers of Architecture and Civil Engineering in China, 2009, 3, 345-351.	0.4	2
39	Strength of tubular welded joints of roof trusses in Shanghai Qizhong Tennis Center. Frontiers of Architecture and Civil Engineering in China, 2008, 2, 30-36.	0.4	1
40	Parametric analysis and design equation of ultimate capacity for unstiffened overlapped CHS K-joints. Frontiers of Architecture and Civil Engineering in China, 2008, 2, 107-115.	0.4	4
41	Tests on impact effect of partial fracture at steel frame connections. Frontiers of Architecture and Civil Engineering in China, 2008, 2, 295-301.	0.4	0