Canxing Qiu

List of Publications by Year
in descending order

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		430442	344852
38	1,316	18	36
papers	citations	h-index	g-index

39	39	39	407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shake table test and numerical study of selfâ€centering steel frame with SMA braces. Earthquake Engineering and Structural Dynamics, 2017, 46, 117-137.	2.5	230
2	Seismic resilient steel structures: A review of research, practice, challenges and opportunities. Journal of Constructional Steel Research, 2022, 191, 107172.	1.7	123
3	Peak and residual responses of steel moment-resisting and braced frames under pulse-like near-fault earthquakes. Engineering Structures, 2018, 177, 579-597.	2.6	112
4	Behavior and application of self-centering dampers equipped with buckling-restrained SMA bars. Smart Materials and Structures, 2020, 29, 035009.	1.8	82
5	High-performance self-centering steel columns with shape memory alloy bolts: Design procedure and experimental evaluation. Engineering Structures, 2019, 182, 446-458.	2.6	71
6	Performance-based plastic design approach for multi-story self-centering concentrically braced frames using SMA braces. Engineering Structures, 2017, 153, 628-638.	2.6	68
7	Seismic performance of Concentrically Braced Frames with non-buckling braces: A comparative study. Engineering Structures, 2018, 154, 93-102.	2.6	53
8	Testing of Buckling-Restrained Braces with Replaceable Steel Angle Fuses. Journal of Structural Engineering, 2018, 144, .	1.7	51
9	Cyclic behavior of SMA slip friction damper. Engineering Structures, 2022, 250, 113407.	2.6	44
10	Experimental tests and finite element simulations of a new SMA-steel damper. Smart Materials and Structures, 2020, 29, 035016.	1.8	42
11	Testing of seismic dampers with replaceable U-shaped steel plates. Engineering Structures, 2019, 179, 625-639.	2.6	41
12	Flexural behavior of precast insulated sandwich wall panels: Full-scale tests and design implications. Engineering Structures, 2019, 180, 750-761.	2.6	34
13	Energy-Based Seismic Design Methodology of SMABFs Using Hysteretic Energy Spectrum. Journal of Structural Engineering, 2020, 146, .	1.7	32
14	Seismic Behavior of Superelastic Shape Memory Alloy Spring in Base Isolation System of Multi-Story Steel Frame. Materials, 2019, 12, 997.	1.3	27
15	Seismic performance of multistory CBFs with novel recentering energy dissipative braces. Journal of Constructional Steel Research, 2020, 168, 105864.	1.7	26
16	Effect of hysteretic properties of SMAs on seismic behavior of self-centering concentrically braced frames. Structural Control and Health Monitoring, 2018, 25, e2110.	1.9	23
17	Seismic design method for multi-story SMA braced frames based on inelastic displacement ratio. Soil Dynamics and Earthquake Engineering, 2021, 147, 106794.	1.9	22
18	Cyclic testing of seismic dampers consisting of multiple energy absorbing steel plate clusters. Engineering Structures, 2019, 183, 255-264.	2.6	19

#	Article	IF	Citations
19	Approximate seismic performance of full and partial self-centering systems based on spectral analysis of SDOF systems. Structures, 2022, 37, 1080-1097.	1.7	19
20	Feasibility Analysis of SMA-Based Damping Devices for Use in Seismic Isolation of Low-Rise Frame Buildings. International Journal of Structural Stability and Dynamics, 2018, 18, 1850087.	1.5	16
21	Horizontal seismic force demands on nonstructural components in low-rise steel building frames with tension-only braces. Engineering Structures, 2018, 168, 852-864.	2.6	15
22	Seismic performance evaluation of multi-story CBFs equipped with SMA-friction damping braces. Journal of Intelligent Material Systems and Structures, 2021, 32, 1725-1743.	1.4	15
23	Effect of hysteresis properties of shape memory alloy-tuned mass damper on seismic control of power transmission tower. Advances in Structural Engineering, 2019, 22, 1007-1017.	1.2	14
24	Seismic upgrading of multistory steel momentâ€resisting frames by installing shape memory alloy braces: Design method and performance evaluation. Structural Control and Health Monitoring, 2020, 27, e2596.	1.9	14
25	Seismic performance analysis of multi-story steel frames equipped with FeSMA BRBs. Soil Dynamics and Earthquake Engineering, 2022, 161, 107392.	1.9	14
26	Wind-induced collapse analysis of long-span transmission towerâ€“line system considering the member buckling effect. Advances in Structural Engineering, 2019, 22, 30-41.	1.2	13
27	Effect of axial compression ratio on concrete-filled steel tube composite shear wall. Advances in Structural Engineering, 2019, 22, 656-669.	1.2	13
28	Residual displacement responses of structures subjected to near-fault pulse-like ground motions. Structure and Infrastructure Engineering, 2022, 18, 313-329.	2.0	13
29	Controlling Residual Drift in BRBFs by Combining SCCBFs in Parallel. Journal of Performance of Constructed Facilities, 2018, 32, .	1.0	11
30	Seismic Response Analysis of Multi-Story Steel Frames Using BRB and SCB Hybrid Bracing System. Applied Sciences (Switzerland), 2020, 10, 284.	1.3	10
31	Enhance seismic performance of self-centering concentrically braced frames by using hybrid systems. Bulletin of Earthquake Engineering, 2020, 18, 3995-4015.	2.3	9
32	Performance-based seismic design of multi-story CBFs equipped with SMA-friction damping braces. Bulletin of Earthquake Engineering, 2021, 19, 2711-2737.	2.3	9
33	Analytical and numerical study on the cyclic behavior of buckling-restrained SMA-based self-centering damper. Smart Materials and Structures, 2021, 30, 095021.	1.8	8
34	Magnetorheological damper modeling based on a refined constitutive model for MR fluids. Journal of Intelligent Material Systems and Structures, 2022, 33, 1271-1291.	1.4	8
35	Robustness of Performance-Based Plastic Design Method for SMABFs. International Journal of Steel Structures, 2019, 19, 787-805.	0.6	7
36	Strength reduction factor of self-centering structures under near-fault pulse-like ground motions. Advances in Structural Engineering, 2021, 24, 119-133.	1.2	4

#	Article	IF	Citations
37	Uncertainty analysis of a shape memory alloy model for dynamic analysis. Smart Materials and Structures, 2021, 30, 025017.	1.8	2
38	Mainshock-aftershock effect on the seismic performance of multi-story CBFs equipped with SMA-friction damping braces. Journal of Intelligent Material Systems and Structures, 0, , 1045389X2211092.	1.4	2