

# Canxing Qiu

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,316  
citations

430442

18  
h-index

344852

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual displacement responses of structures subjected to near-fault pulse-like ground motions. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 313-329.	2.0	13
2	Magnetorheological damper modeling based on a refined constitutive model for MR fluids. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 1271-1291.	1.4	8
3	Cyclic behavior of SMA slip friction damper. <i>Engineering Structures</i> , 2022, 250, 113407.	2.6	44
4	Approximate seismic performance of full and partial self-centering systems based on spectral analysis of SDOF systems. <i>Structures</i> , 2022, 37, 1080-1097.	1.7	19
5	Seismic resilient steel structures: A review of research, practice, challenges and opportunities. <i>Journal of Constructional Steel Research</i> , 2022, 191, 107172.	1.7	123
6	Seismic performance analysis of multi-story steel frames equipped with FeSMA BRBs. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 161, 107392.	1.9	14
7	Strength reduction factor of self-centering structures under near-fault pulse-like ground motions. <i>Advances in Structural Engineering</i> , 2021, 24, 119-133.	1.2	4
8	Uncertainty analysis of a shape memory alloy model for dynamic analysis. <i>Smart Materials and Structures</i> , 2021, 30, 025017.	1.8	2
9	Performance-based seismic design of multi-story CBFs equipped with SMA-friction damping braces. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 2711-2737.	2.3	9
10	Analytical and numerical study on the cyclic behavior of buckling-restrained SMA-based self-centering damper. <i>Smart Materials and Structures</i> , 2021, 30, 095021.	1.8	8
11	Seismic design method for multi-story SMA braced frames based on inelastic displacement ratio. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 147, 106794.	1.9	22
12	Seismic performance evaluation of multi-story CBFs equipped with SMA-friction damping braces. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 1725-1743.	1.4	15
13	Energy-Based Seismic Design Methodology of SMABFs Using Hysteretic Energy Spectrum. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	32
14	Seismic performance of multistory CBFs with novel recentering energy dissipative braces. <i>Journal of Constructional Steel Research</i> , 2020, 168, 105864.	1.7	26
15	Seismic upgrading of multistory steel moment-resisting frames by installing shape memory alloy braces: Design method and performance evaluation. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2596.	1.9	14
16	Seismic Response Analysis of Multi-Story Steel Frames Using BRB and SCB Hybrid Bracing System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 284.	1.3	10
17	Experimental tests and finite element simulations of a new SMA-steel damper. <i>Smart Materials and Structures</i> , 2020, 29, 035016.	1.8	42
18	Behavior and application of self-centering dampers equipped with buckling-restrained SMA bars. <i>Smart Materials and Structures</i> , 2020, 29, 035009.	1.8	82

#	ARTICLE	IF	CITATIONS
19	Enhance seismic performance of self-centering concentrically braced frames by using hybrid systems. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 3995-4015.	2.3	9
20	Wind-induced collapse analysis of long-span transmission towerâ€“line system considering the member buckling effect. <i>Advances in Structural Engineering</i> , 2019, 22, 30-41.	1.2	13
21	Effect of hysteresis properties of shape memory alloy-tuned mass damper on seismic control of power transmission tower. <i>Advances in Structural Engineering</i> , 2019, 22, 1007-1017.	1.2	14
22	Seismic Behavior of Superelastic Shape Memory Alloy Spring in Base Isolation System of Multi-Story Steel Frame. <i>Materials</i> , 2019, 12, 997.	1.3	27
23	Effect of axial compression ratio on concrete-filled steel tube composite shear wall. <i>Advances in Structural Engineering</i> , 2019, 22, 656-669.	1.2	13
24	High-performance self-centering steel columns with shape memory alloy bolts: Design procedure and experimental evaluation. <i>Engineering Structures</i> , 2019, 182, 446-458.	2.6	71
25	Testing of seismic dampers with replaceable U-shaped steel plates. <i>Engineering Structures</i> , 2019, 179, 625-639.	2.6	41
26	Cyclic testing of seismic dampers consisting of multiple energy absorbing steel plate clusters. <i>Engineering Structures</i> , 2019, 183, 255-264.	2.6	19
27	Flexural behavior of precast insulated sandwich wall panels: Full-scale tests and design implications. <i>Engineering Structures</i> , 2019, 180, 750-761.	2.6	34
28	Robustness of Performance-Based Plastic Design Method for SMABFs. <i>International Journal of Steel Structures</i> , 2019, 19, 787-805.	0.6	7
29	Testing of Buckling-Restrained Braces with Replaceable Steel Angle Fuses. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	51
30	Effect of hysteretic properties of SMAs on seismic behavior of self-centering concentrically braced frames. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2110.	1.9	23
31	Feasibility Analysis of SMA-Based Damping Devices for Use in Seismic Isolation of Low-Rise Frame Buildings. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850087.	1.5	16
32	Seismic performance of Concentrically Braced Frames with non-buckling braces: A comparative study. <i>Engineering Structures</i> , 2018, 154, 93-102.	2.6	53
33	Peak and residual responses of steel moment-resisting and braced frames under pulse-like near-fault earthquakes. <i>Engineering Structures</i> , 2018, 177, 579-597.	2.6	112
34	Controlling Residual Drift in BRBFs by Combining SCCBFs in Parallel. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .	1.0	11
35	Horizontal seismic force demands on nonstructural components in low-rise steel building frames with tension-only braces. <i>Engineering Structures</i> , 2018, 168, 852-864.	2.6	15
36	Performance-based plastic design approach for multi-story self-centering concentrically braced frames using SMA braces. <i>Engineering Structures</i> , 2017, 153, 628-638.	2.6	68

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37	Shake table test and numerical study of self-centering steel frame with SMA braces. Earthquake Engineering and Structural Dynamics, 2017, 46, 117-137.	2.5	230
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