

Shiang-Jung Wang

List of Publications by Year in descending order

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36
papers

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36
docs citations

36
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteretic behavior of viscoelastic dampers subjected to damage during seismic loading. Journal of Building Engineering, 2022, 53, 104538.	3.4	4
2	Seismic Retrofit of Existing Critical Structures Using Externally Connected Viscous Dampers. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	5
3	Prediction of Beyond Design and Residual Performances of Viscoelastic Dampers by a Simplified Fractional Derivative Model. International Journal of Structural Stability and Dynamics, 2021, 21, 2150081.	2.4	4
4	Analytical and experimental study on sloped sliding-type bearings. Structural Control and Health Monitoring, 2021, 28, e2828.	4.0	4
5	Effectiveness of damaged viscoelastic dampers in seismic protection of structures under main shocks and aftershocks. Engineering Structures, 2021, 242, 112424.	5.3	11
6	Numerical study on smart sloped rolling-type seismic isolators integrated with early prediction of peak velocity. Engineering Structures, 2021, 246, 113032.	5.3	2
7	Coupled Bilateral Hysteretic Behavior of High-damping Rubber Bearings under Non-proportional Plane Loading. Journal of Earthquake Engineering, 2020, , 1-28.	2.5	0
8	Control Performances of Friction Pendulum and Sloped Rolling-Type Bearings Designed with Single Parameters. Applied Sciences (Switzerland), 2020, 10, 7200.	2.5	5
9	Mechanical behavior of lead rubber bearings under and after nonproportional plane loading. Earthquake Engineering and Structural Dynamics, 2019, 48, 1508-1531.	4.4	7
10	Periodic Material-Based Three-Dimensional (3D) Seismic Base Isolators for Small Modular Reactors. , 2019, , 1-16.		1
11	Experimental beyond design and residual performances of full-scale viscoelastic dampers and their empirical modeling. Earthquake Engineering and Structural Dynamics, 2019, 48, 1093-1111.	4.4	11
12	Three-dimensional periodic materials as seismic base isolator for nuclear infrastructure. AIP Advances, 2019, 9, .	1.3	24
13	Effects of design and seismic parameters on horizontal displacement responses of sloped rolling-type seismic isolators. Structural Control and Health Monitoring, 2019, 26, e2342.	4.0	6
14	Building mass damper design based on optimum dynamic response control approach. Engineering Structures, 2019, 187, 85-100.	5.3	13
15	Seismic isolation of small modular reactors using metamaterials. AIP Advances, 2018, 8, .	1.3	29
16	Optimum dynamic characteristic control approach for building mass damper design. Earthquake Engineering and Structural Dynamics, 2018, 47, 872-888.	4.4	13
17	Experimental and analytical study on design performance of full-scale viscoelastic dampers. Earthquake Engineering and Engineering Vibration, 2018, 17, 693-706.	2.3	13
18	Improved control performance of sloped rolling-type isolation devices using embedded electromagnets. Structural Control and Health Monitoring, 2017, 24, e1853.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Experimental Study on Seismic Performance of Mechanical/Electrical Equipment with Vibration Isolation Systems. Journal of Earthquake Engineering, 2017, 21, 439-460.	2.5	10
20	A generalized analytical model for sloped rolling-type seismic isolators. Engineering Structures, 2017, 138, 434-446.	5.3	8
21	Seismic response prediction of base-isolated structures with high damping rubber bearings. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2016, 39, 12-25.	1.1	2
22	Analytical Study of 1D Periodic Foundations for Structural Vibration Isolation. , 2015, , .		0
23	Periodic Material Based Seismic Isolation for Small Modular Reactors. , 2015, , .		1
24	Sloped multi-roller isolation devices for seismic protection of equipment and facilities. Earthquake Engineering and Structural Dynamics, 2014, 43, 1443-1461.	4.4	40
25	Analytical and experimental studies on midstory isolated buildings with modal coupling effect. Earthquake Engineering and Structural Dynamics, 2013, 42, 201-219.	4.4	27
26	Periodic materials-based vibration attenuation in layered foundations: experimental validation. Smart Materials and Structures, 2012, 21, 112003.	3.5	109
27	Dynamic behavior of a building structure tested with base and mid-story isolation systems. Engineering Structures, 2012, 42, 420-433.	5.3	42
28	Simplified analysis of mid-story seismically isolated buildings. Earthquake Engineering and Structural Dynamics, 2011, 40, 119-133.	4.4	46
29	A seismic retrofit method by connecting viscous dampers for microelectronics factories. Earthquake Engineering and Structural Dynamics, 2007, 36, 1461-1480.	4.4	17
30	ISEE: Internet-based Simulation for Earthquake Engineering—Part II: The application protocol approach. Earthquake Engineering and Structural Dynamics, 2007, 36, 2307-2323.	4.4	23
31	ISEE: Internet-based Simulation for Earthquake Engineering—Part I: Database approach. Earthquake Engineering and Structural Dynamics, 2007, 36, 2291-2306.	4.4	22
32	The Transition Matrix Formalism for the Scattering of an Alluvium on an Elastic Half-Space. , 2007, , .		0
33	NUMERICAL ANALYSIS FRAMEWORK FOR DISTRIBUTED PSEUDO-DYNAMIC TESTS. , 2002, , .		3
34	NETWORKED COLLABORATIVE PSEUDO DYNAMIC TESTING EXAMPLES. , 2002, , .		0
35	A NETWORKED COLLABORATIVE PSEUDO DYNAMIC TESTING ARCHITECTURE. , 2002, , .		2
36	Consideration of Three Seismic Isolation Performances as Design Objectives for Equivalent Linear Analysis of Bilinear Hysteretic Isolation Systems. International Journal of Structural Stability and Dynamics, 0, , 2250001.	2.4	1