

Michalis F Vassiliou

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Shaking table tests of a resilient bridge system with precast reinforced concrete columns equipped with springs. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 213-239.	4.4	21
2	Experimental investigation of a spherical rubber isolator for use in low income countries. <i>Engineering Structures</i> , 2022, 250, 113522.	5.3	10
3	Physical modelling of reinforced concrete at a 1:40 scale using additively manufactured reinforcement cages. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 537-551.	4.4	5
4	Dimensionality reduction of the 3D inverted pendulum cylindrical oscillator and applications on sustainable seismic design of bridges. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 473-491.	4.4	5
5	The influence of the vertical component of ground motion on the probabilistic treatment of the rocking response of free-standing blocks. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 1874-1894.	4.4	9
6	Full-scale shaking table test and numerical modeling of a 3000-liter legged storage tank isolated with a vertical rocking isolation system. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 1563-1585.	4.4	13
7	Uniform risk spectra for rocking structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 2610-2626.	4.4	4
8	Shake table testing of a rocking podium: Results of a blind prediction contest. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1043-1062.	4.4	38
9	Simplified analysis of bilinear elastic systems exhibiting negative stiffness behavior. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 580-600.	4.4	17
10	Dataset from the shake table tests of a rocking podium structure. <i>Earthquake Spectra</i> , 2021, 37, 2107-2125.	3.1	8
11	UNIFORM RISK SPECTRA FOR NEGATIVE STIFFNESS SYSTEMS. , 2021, , .		1
12	Data set from shake table tests of free-standing rocking bodies. <i>Earthquake Spectra</i> , 2021, 37, 2971-2987.	3.1	9
13	Feasibility Study on Re-Using Tennis Balls as Seismic Isolation Bearings. <i>Frontiers in Built Environment</i> , 2021, 7, .	2.3	7
14	Cyclic tests of a precast restrained rocking system for sustainable and resilient seismic design of bridges. <i>Engineering Structures</i> , 2021, 252, 113620.	5.3	8
15	Mechanical properties of 3D printed material with binder jet technology and potential applications of additive manufacturing in seismic testing of structures. <i>Additive Manufacturing</i> , 2020, 36, 101714.	3.0	14
16	A simple strategy to tune the lateral response of unbonded Fiber Reinforced Elastomeric Isolators (FREIs). <i>Engineering Structures</i> , 2020, 222, 111128.	5.3	11
17	Robustness of simplified analysis methods for rocking structures on compliant soil. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 1388-1405.	4.4	15
18	Rolling and rocking of rigid uplifting structures. <i>Earthquake Engineering and Structural Dynamics</i> , 2019, 48, 1556-1574.	4.4	27

#	ARTICLE	IF	CITATIONS
19	Displacement-based analysis and design of rocking structures. Earthquake Engineering and Structural Dynamics, 2019, 48, 1613-1629.	4.4	26
20	Seismic response of a wobbling 3D frame. Earthquake Engineering and Structural Dynamics, 2018, 47, 1212-1228.	4.4	31
21	Is rocking motion predictable?. Earthquake Engineering and Structural Dynamics, 2018, 47, 535-552.	4.4	80
22	Dynamics of rocking podium structures. Earthquake Engineering and Structural Dynamics, 2017, 46, 2499-2517.	4.4	63
23	The three-dimensional behavior of inverted pendulum cylindrical structures during earthquakes. Earthquake Engineering and Structural Dynamics, 2017, 46, 2261-2280.	4.4	49
24	Dynamics of inelastic base-isolated structures subjected to recorded ground motions. Bulletin of Earthquake Engineering, 2017, 15, 1807-1830.	4.1	23
25	A finite element model for seismic response analysis of deformable rocking frames. Earthquake Engineering and Structural Dynamics, 2017, 46, 447-466.	4.4	64
26	Comparative Assessment of Two Rocking Isolation Techniques for a Motorway Overpass Bridge. Frontiers in Built Environment, 2017, 3, .	2.3	46
27	DYNAMIC RESPONSE OF A RIGID SLAB SUPPORTED BY FOUR RIGID CYLINDRICAL ROCKING AND WOBBLING COLUMNS. , 2017, , .		1
28	AN ANALYTICAL MODEL FOR DYNAMIC RESPONSE OF AN ELASTIC SDOF SYSTEM FIXED ON TOP OF A ROCKING SINGLE-STORY FRAME STRUCTURE: EXPERIMENTAL VALIDATION. , 2016, , .		9
29	EXPERIMENTAL INVESTIGATION OF THE SEISMIC RESPONSE OF A COLUMN ROCKING AND ROLLING ON A CONCAVE BASE. , 2016, , .		9
30	An analytical model of a deformable cantilever structure rocking on a rigid surface: development and verification. Earthquake Engineering and Structural Dynamics, 2015, 44, 2775-2794.	4.4	65
31	An analytical model of a deformable cantilever structure rocking on a rigid surface: experimental validation. Earthquake Engineering and Structural Dynamics, 2015, 44, 2795-2815.	4.4	46
32	The Dynamics of the Rocking Frame. Computational Methods in Applied Sciences (Springer), 2015, , 37-59.	0.3	12
33	Dynamics of the Rocking Frame with Vertical Restrainers. Journal of Structural Engineering, 2015, 141, .	3.4	59
34	Dynamics of the Vertically Restrained Rocking Column. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	52
35	Seismic Response and Stability of the Rocking Frame. Geotechnical, Geological and Earthquake Engineering, 2015, , 249-273.	0.2	4
36	Are Some Top-Heavy Structures More Stable?. Journal of Structural Engineering, 2014, 140, .	3.4	58

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37	Dynamic response analysis of solitary flexible rocking bodies: modeling and behavior under pulse-like ground excitation. Earthquake Engineering and Structural Dynamics, 2014, 43, 1463-1481.	4.4	75
38	Planar rocking response and stability analysis of an array of free-standing columns capped with a freely supported rigid beam. Earthquake Engineering and Structural Dynamics, 2013, 42, 431-449.	4.4	155
39	Dynamics of inelastic base-isolated structures subjected to analytical pulse ground motions. Earthquake Engineering and Structural Dynamics, 2013, 42, 2043-2060.	4.4	26
40	Sizing the slenderness of free-standing rocking columns to withstand earthquake shaking. Archive of Applied Mechanics, 2012, 82, 1497-1511.	2.2	46
41	Analysis of the rocking response of rigid blocks standing free on a seismically isolated base. Earthquake Engineering and Structural Dynamics, 2012, 41, 177-196.	4.4	116
42	Estimating Time Scales and Length Scales in Pulselike Earthquake Acceleration Records with Wavelet Analysis. Bulletin of the Seismological Society of America, 2011, 101, 596-618.	2.3	101
43	The existence of "complete similarities" in the response of seismic isolated structures subjected to pulse-like ground motions and their implications in analysis. Earthquake Engineering and Structural Dynamics, 2011, 40, 1103-1121.	4.4	34
44	Finite element modeling of free-standing cylindrical columns under seismic excitation. Earthquake Engineering and Structural Dynamics, 0, , .	4.4	4