Dimitrios Konstantinidis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/442614/publications.pdf

Version: 2024-02-01

50	1,389	304743	345221
papers	citations	22 h-index	36 g-index

51	51	51	645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nondestructive Assessment of Elastomeric Bridge Bearings Using 3D Digital Image Correlation. Journal of Structural Engineering, 2022, 148, .	3.4	3
2	A framework for the rapid assessment of seismic upgrade viability using performance-based earthquake engineering. Earthquake Spectra, 2022, 38, 1761-1787.	3.1	4
3	Effect of multi-component excitation on the sliding response of unanchored components in nuclear facilities. Nuclear Engineering and Design, 2022, 390, 111707.	1.7	1
4	Effect of Manufacturing Imperfections on the Service-Level Performance of Elastomeric Bridge Bearings. Journal of Structural Engineering, 2022, 148, .	3.4	1
5	Demands on nonstructural components in buildings with controlled rocking braced frames. Earthquake Engineering and Structural Dynamics, 2021, 50, 1063-1082.	4.4	6
6	Experimental and Analytical Studies on the Horizontal Behavior of Elastomeric Bearings under Support Rotation. Journal of Structural Engineering, 2021, 147, .	3.4	13
7	Quantifying damage in the steel shims of seismic isolation rubber bearings due to support rotation. , 2021, , .		1
8	Evaluating adaptive vertical seismic isolation for equipment in nuclear power plants. Nuclear Engineering and Design, 2020, 358, 110399.	1.7	14
9	Influence of Steel Reinforcement on the Performance of Elastomeric Bearings. Journal of Structural Engineering, 2020, 146, .	3.4	36
10	Integrated Structuralâ€“Nonstructural Performance-Based Seismic Design and Retrofit Optimization of Buildings. Journal of Structural Engineering, 2020, 146, .	3.4	7
11	Rocking Response of Unanchored Building Contents Considering Horizontal and Vertical Excitation. Journal of Structural Engineering, 2020, 146, .	3.4	25
12	Dynamics of a slidingâ€•rocking block considering impact with an adjacent wall. Earthquake Engineering and Structural Dynamics, 2020, 49, 498-523.	4.4	28
13	Vision-Based Quality Control Testing of Elastomeric Bridge Bearings. , 2020, , .		3
14	Investigation of partially bonded fiber-reinforced elastomeric isolators (PB-FREIs) with nominal vertical tensile loads. Canadian Journal of Civil Engineering, 2019, 46, 669-676.	1.3	2
15	Experimental Study on the Seismic Response of Equipment on Wheels and Casters in Base-Isolated Hospitals. Journal of Structural Engineering, 2019, 145, .	3.4	17
16	Seismic response of rocking frames with top support eccentricity. Earthquake Engineering and Structural Dynamics, 2018, 47, 2496-2518.	4.4	28
17	Shear Strain Demands in Elastomeric Bearings Subjected to Rotation. Journal of Engineering Mechanics - ASCE, 2017, 143, 04017005.	2.9	11
18	Non-iterative computational model for fiber-reinforced elastomeric isolators. Engineering Structures, 2017, 137, 245-255.	5.3	18

#	Article	IF	Citations
19	Peak Sliding Demands on Unanchored Equipment and Contents in Base-Isolated Buildings under Pulse Excitation. Journal of Structural Engineering, 2017, 143, .	3.4	14
20	Simplified Approximations for Critical Design Parameters of Rectangular Fiber-Reinforced Elastomeric Isolators. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	6
21	Finite element study of the effect of support rotation on the horizontal behavior of elastomeric bearings. Composite Structures, 2017, 163, 474-490.	5.8	27
22	Simple mechanical models for the horizontal behavior of elastomeric bearings including the effect of support rotation. Engineering Structures, 2017, 150, 996-1012.	5.3	13
23	Effect of the Stick-Slip Phenomenon on the Sliding Response of Objects Subjected to Pulse Excitation. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	22
24	Shake table investigation on the seismic performance of hospital equipment supported on wheels/casters. Earthquake Engineering and Structural Dynamics, 2017, 46, 243-266.	4.4	23
25	Evaluation of Vision-Based Measurements for Shake-Table Testing of Nonstructural Components. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	9
26	Structural and nonstructural performance of a seismically isolated building using stable unbonded fiberâ€reinforced elastomeric isolators. Earthquake Engineering and Structural Dynamics, 2016, 45, 421-439.	4.4	48
27	Compression of unbonded rubber layers taking into account bulk compressibility and contact slip at the supports. International Journal of Solids and Structures, 2016, 87, 206-221.	2.7	18
28	Development of Design Code Oriented Formulas for Elastomeric Bearings Including Bulk Compressibility and Reinforcement Extensibility. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	18
29	Evaluation of ASCE 43-05 Seismic Design Criteria for Rocking Objects in Nuclear Facilities. Journal of Structural Engineering, 2016, 142, .	3.4	36
30	Collapse Fragility Evaluation of Ductile Reinforced Concrete Block Wall Systems for Seismic Risk Assessment. Journal of Performance of Constructed Facilities, 2016, 30, 04016047.	2.0	10
31	Variation of the vertical stiffness of strip-shaped fiber-reinforced elastomeric isolators under lateral loading. Composite Structures, 2016, 144, 177-184.	5.8	12
32	Seismic Isolation of a Shear Wall Structure Using Rectangular Fiber-Reinforced Elastomeric Isolators. Journal of Structural Engineering, 2016, 142, .	3.4	8
33	Experimental and finite element study on the lateral response of modified rectangular fiber-reinforced elastomeric isolators (MR-FREIs). Engineering Structures, 2015, 85, 293-303.	5.3	35
34	Partially bonded fiber-reinforced elastomeric isolators (PB-FREIs). Structural Control and Health Monitoring, 2015, 22, 417-432.	4.0	32
35	System-Level Seismic Performance Assessment of an Asymmetrical Reinforced Concrete Block Shear Wall Building. Journal of Structural Engineering, 2015, 141, 04015047.	3.4	14
36	Model of the Shear Behavior of Unbonded Fiber-Reinforced Elastomeric Isolators. Journal of Structural Engineering, 2015, 141, .	3.4	36

#	Article	IF	Citations
37	Seismic response of sliding equipment and contents in baseâ€isolated buildings subjected to broadband ground motions. Earthquake Engineering and Structural Dynamics, 2015, 44, 865-887.	4.4	56
38	In-situ condition assessment of seismic fluid dampers: experimental studies and challenges. Meccanica, 2015, 50, 323-340.	2.0	13
39	Finite element analysis of unbonded square fiber-reinforced elastomeric isolators (FREIs) under lateral loading in different directions. Composite Structures, 2014, 113, 164-173.	5.8	52
40	Three-dimensional finite element analysis of circular fiber-reinforced elastomeric bearings under compression. Composite Structures, 2014, 108, 191-204.	5.8	31
41	Experimental and finite element study on the compression properties of Modified Rectangular Fiber-Reinforced Elastomeric Isolators (MR-FREIs). Engineering Structures, 2014, 74, 52-64.	5.3	38
42	Health monitoring of fluid dampers for vibration control of structures: experimental investigation. Proceedings of SPIE, 2014, , .	0.8	0
43	Health monitoring of fluid dampers for vibration control of structures: experimental investigation. Earthquake Engineering and Structural Dynamics, 2012, 41, 1813-1829.	4.4	9
44	The Influence of Isolator Hysteresis on Equipment Performance in Seismic Isolated Buildings. Earthquake Spectra, 2010, 26, 275-293.	3.1	42
45	Experimental and analytical studies on the response of 1/4-scale models of freestanding laboratory equipment subjected to strong earthquake shaking. Bulletin of Earthquake Engineering, 2010, 8, 1457-1477.	4.1	61
46	Steel shim stresses in multilayer bearings under compression and bending. Journal of Mechanics of Materials and Structures, 2009, 4, 1109-1125.	0.6	13
47	Effect of Friction on Unbonded Elastomeric Bearings. Journal of Engineering Mechanics - ASCE, 2009, 135, 953-960.	2.9	27
48	Experimental and analytical studies on the response of freestanding laboratory equipment to earthquake shaking. Earthquake Engineering and Structural Dynamics, 2009, 38, 827-848.	4.4	113
49	Seismic response analysis of multidrum classical columns. Earthquake Engineering and Structural Dynamics, 2005, 34, 1243-1270.	4.4	131
50	The rocking spectrum and the limitations of practical design methodologies. Earthquake Engineering and Structural Dynamics, 2003, 32, 265-289.	4.4	204