

JosÃ© I Restrepo

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

1,747
citations

361413

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all docs

43
docs citations

43
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic analysis of a modern 14-story reinforced concrete core wall building system using the BTM-shell methodology. Earthquake Engineering and Structural Dynamics, 2022, 51, 1540-1562.	4.4	7
2	NHERI@UC San Diego 6-DOF Large High-Performance Outdoor Shake Table Facility. Frontiers in Built Environment, 2021, 6, .	2.3	8
3	Service-Life Performance Case Studies of Underground Reinforced Concrete Utility Vaults. Journal of Performance of Constructed Facilities, 2021, 35, 04021006.	2.0	0
4	Updated probabilistic seismic performance assessment framework for ordinary standard bridges in California. Earthquake Engineering and Structural Dynamics, 2021, 50, 2551-2570.	4.4	9
5	Implications of Buckingham's Pi Theorem to the Study of Similitude in Discrete Structures: Introduction of the RFN, $\frac{1}{4}N$, and SN Dimensionless Numbers and the Concept of Structural Speed. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	2.2	6
6	Response of a High Damping Rubber Bearing to Multiaxial Excitation. Journal of Testing and Evaluation, 2021, 49, 1153-1172.	0.7	7
7	Discussion of "Estimating Plastic Strain and Residual Strain Capacity of Earthquake-Damaged Steel Reinforcing Bars" by G. Loporcaro, S. Pampanin, and M. V. Kral. Journal of Structural Engineering, 2020, 146, 07019009.	3.4	0
8	RC Wall Plastic Hinge Out-of-Plane Buckling: Analysis Using the Nonlinear Beam-Truss Model. Journal of Structural Engineering, 2020, 146, .	3.4	5
9	Analysis of reinforced concrete coupled structural walls via the Beam-Truss Model. Engineering Structures, 2020, 220, 111005.	5.3	7
10	Nonlinear cyclic Truss Model for analysis of reinforced concrete coupled structural walls. Bulletin of Earthquake Engineering, 2019, 17, 6419-6436.	4.1	11
11	Seismic-Resistant Precast Concrete Structures: State of the Art. Journal of Structural Engineering, 2018, 144, .	3.4	267
12	Experimental study of deformable connection consisting of friction device and rubber bearings to connect floor system to lateral force resisting system. Earthquake Engineering and Structural Dynamics, 2018, 47, 1032-1053.	4.4	29
13	Shake-table test performance of an inertial force-limiting floor anchorage system. Earthquake Engineering and Structural Dynamics, 2018, 47, 1987-2011.	4.4	22
14	Seismic performance of precast concrete column-to-column lap-splice connections. Engineering Structures, 2018, 172, 687-699.	5.3	46
15	Nonlinear finite element modeling and response analysis of the collapsed Alto Rio building in the 2010 Chile Maule earthquake. Structural Design of Tall and Special Buildings, 2017, 26, e1364.	1.9	21
16	Predominant period and equivalent viscous damping ratio identification for a full-scale building shake table test. Earthquake Engineering and Structural Dynamics, 2017, 46, 2459-2477.	4.4	13
17	Experimental study of deformable connection consisting of buckling-restrained brace and rubber bearings to connect floor system to lateral force resisting system. Earthquake Engineering and Structural Dynamics, 2017, 46, 1287-1305.	4.4	15
18	Shake table testing of an elevator system in a full-scale five-story building. Earthquake Engineering and Structural Dynamics, 2017, 46, 391-407.	4.4	13

#	ARTICLE	IF	CITATIONS
19	System identification of a full-scale five-story reinforced concrete building tested on the NEES-UCSD shake table. <i>Structural Control and Health Monitoring</i> , 2016, 23, 535-559.	4.0	36
20	Development of deformable connection for earthquake-resistant buildings to reduce floor accelerations and force responses. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 1473-1494.	4.4	30
21	Influence of the construction process and nonstructural components on the modal properties of a five-story building. <i>Earthquake Engineering and Structural Dynamics</i> , 2016, 45, 1063-1084.	4.4	25
22	Full-Scale Structural and Nonstructural Building System Performance during Earthquakes: Part I "Specimen Description, Test Protocol, and Structural Response. <i>Earthquake Spectra</i> , 2016, 32, 737-770.	3.1	72
23	Full-Scale Structural and Nonstructural Building System Performance during Earthquakes: Part II "NCS Damage States. <i>Earthquake Spectra</i> , 2016, 32, 771-794.	3.1	51
24	Dynamic characteristics and seismic behavior of prefabricated steel stairs in a full-scale five-story building shake table test program. <i>Earthquake Engineering and Structural Dynamics</i> , 2015, 44, 2507-2527.	4.4	10
25	Seismic Behavior of Posttensioned Self-Centering Precast Concrete Dual-Shell Steel Columns. <i>Journal of Structural Engineering</i> , 2015, 141, .	3.4	99
26	Experimental Evaluation of the Seismic Response of a Rooftop-Mounted Cooling Tower. <i>Earthquake Spectra</i> , 2015, 31, 1567-1589.	3.1	15
27	Lessons from the 2010 Chile Earthquake for Performance Based Design and Code Development. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014, , 143-157.	0.2	8
28	Seismic Response of a Four-Story Miniature Building with Replaceable Plastic Hinges. <i>Journal of Earthquake Engineering</i> , 2014, 18, 1217-1240.	2.5	1
29	Damage assessment through structural identification of a three-story large-scale precast concrete structure. <i>Earthquake Engineering and Structural Dynamics</i> , 2014, 43, 61-76.	4.4	40
30	Shake-Table Test of a Full-Scale 7-Story Building Slice. Phase A: Rectangular Wall. <i>Journal of Structural Engineering</i> , 2011, 137, 691-704.	3.4	98
31	Displacement-Based Method of Analysis for Regular Reinforced-Concrete Wall Buildings: Application to a Full-Scale 7-Story Building Slice Tested at UC "San Diego. <i>Journal of Structural Engineering</i> , 2011, 137, 677-690.	3.4	43
32	Assessment of Seismic Performance of Two Pile-Deck Wharf Connections. <i>Journal of Performance of Constructed Facilities</i> , 2011, 25, 98-104.	2.0	6
33	System Identification Study of a 7-Story Full-Scale Building Slice Tested on the UCSD-NEES Shake Table. <i>Journal of Structural Engineering</i> , 2011, 137, 705-717.	3.4	110
34	Modeling of Jointed Connections in Segmental Bridges. <i>Journal of Bridge Engineering</i> , 2011, 16, 139-147.	2.9	13
35	Damage identification study of a seven-story full-scale building slice tested on the UCSD-NEES shake table. <i>Structural Safety</i> , 2010, 32, 347-356.	5.3	131
36	Performance of Suspended Pipes and Their Anchorages During Shake Table Testing of a Seven-Story Building. <i>Earthquake Spectra</i> , 2009, 25, 71-91.	3.1	27

#	ARTICLE	IF	CITATIONS
37	Dual plastic hinge design concept for reducing higher mode effects on high rise cantilever wall buildings. Earthquake Engineering and Structural Dynamics, 2009, 38, 1359-1380.	4.4	68
38	Seismic Performance of Self-Centering Structural Walls Incorporating Energy Dissipators. Journal of Structural Engineering, 2007, 133, 1560-1570.	3.4	244
39	Proof testing in support of the new San Francisco-Oakland Bay Bridge. Earthquake Engineering and Structural Dynamics, 2005, 34, 369-391.	4.4	6
40	Seismic Design of Lightly Reinforced Precast Concrete Rectangular Wall Panels. PCI Journal, 2002, 47, 104-121.	0.6	33
41	Tests on Connections of Earthquake Resisting Precast Reinforced Concrete Perimeter Frames of Buildings. PCI Journal, 1995, 40, 44-61.	0.6	77