

JosÃ© I Restrepo

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,747
citations

361413

20
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic-Resistant Precast Concrete Structures: State of the Art. Journal of Structural Engineering, 2018, 144, .	3.4	267
2	Seismic Performance of Self-Centering Structural Walls Incorporating Energy Dissipators. Journal of Structural Engineering, 2007, 133, 1560-1570.	3.4	244
3	Damage identification study of a seven-story full-scale building slice tested on the UCSD-NEES shake table. Structural Safety, 2010, 32, 347-356.	5.3	131
4	System Identification Study of a 7-Story Full-Scale Building Slice Tested on the UCSD-NEES Shake Table. Journal of Structural Engineering, 2011, 137, 705-717.	3.4	110
5	Seismic Behavior of Posttensioned Self-Centering Precast Concrete Dual-Shell Steel Columns. Journal of Structural Engineering, 2015, 141, .	3.4	99
6	Shake-Table Test of a Full-Scale 7-Story Building Slice. PhaseÂ: Rectangular Wall. Journal of Structural Engineering, 2011, 137, 691-704.	3.4	98
7	Tests on Connections of Earthquake Resisting Precast Reinforced Concrete Perimeter Frames of Buildings. PCI Journal, 1995, 40, 44-61.	0.6	77
8	Full-Scale Structural and Nonstructural Building System Performance during Earthquakes: Part I â€“ Specimen Description, Test Protocol, and Structural Response. Earthquake Spectra, 2016, 32, 737-770.	3.1	72
9	Dualâ€plastic hinge design concept for reducing higherâ€mode effects on highâ€rise cantilever wall buildings. Earthquake Engineering and Structural Dynamics, 2009, 38, 1359-1380.	4.4	68
10	Full-Scale Structural and Nonstructural Building System Performance during Earthquakes: Part II â€“ NCS Damage States. Earthquake Spectra, 2016, 32, 771-794.	3.1	51
11	Seismic performance of precast concrete column-to-column lap-splice connections. Engineering Structures, 2018, 172, 687-699.	5.3	46
12	Displacement-Based Method of Analysis for Regular Reinforced-Concrete Wall Buildings: Application to a Full-Scale 7-Story Building Slice Tested at UCâ€San Diego. Journal of Structural Engineering, 2011, 137, 677-690.	3.4	43
13	Damage assessment through structural identification of a threeâ€story largeâ€scale precast concrete structure. Earthquake Engineering and Structural Dynamics, 2014, 43, 61-76.	4.4	40
14	System identification of a fullâ€scale fiveâ€story reinforced concrete building tested on the NEESâ€UCSD shake table. Structural Control and Health Monitoring, 2016, 23, 535-559.	4.0	36
15	Seismic Design of Lightly Reinforced Precast Concrete Rectangular Wall Panels. PCI Journal, 2002, 47, 104-121.	0.6	33
16	Development of deformable connection for earthquakeâ€resistant buildings to reduce floor accelerations and force responses. Earthquake Engineering and Structural Dynamics, 2016, 45, 1473-1494.	4.4	30
17	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
18	Performance of Suspended Pipes and Their Anchorages During Shake Table Testing of a Seven-Story Building. Earthquake Spectra, 2009, 25, 71-91.	3.1	27

#	ARTICLE	IF	CITATIONS
19	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
20	Shake table test performance of an inertial force-limiting floor anchorage system. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 1987-2011.	4.4	22
21	Nonlinear finite element modeling and response analysis of the collapsed Alto Rio building in the 2010 Chile Maule earthquake. <i>Structural Design of Tall and Special Buildings</i> , 2017, 26, e1364.	1.9	21
22	Experimental Evaluation of the Seismic Response of a Rooftop-Mounted Cooling Tower. <i>Earthquake Spectra</i> , 2015, 31, 1567-1589.	3.1	15
23	Experimental study of deformable connection consisting of buckling-restrained brace and rubber bearings to connect floor system to lateral force resisting system. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 1287-1305.	4.4	15
24	Modeling of Jointed Connections in Segmental Bridges. <i>Journal of Bridge Engineering</i> , 2011, 16, 139-147.	2.9	13
25	Predominant period and equivalent viscous damping ratio identification for a full-scale building shake table test. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 2459-2477.	4.4	13
26	Shake table testing of an elevator system in a full-scale five-story building. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 391-407.	4.4	13
27	Nonlinear cyclic Truss Model for analysis of reinforced concrete coupled structural walls. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 6419-6436.	4.1	11
28	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
29	Updated probabilistic seismic performance assessment framework for ordinary standard bridges in California. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 2551-2570.	4.4	9
30	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
31	NHERI@UC San Diego 6-DOF Large High-Performance Outdoor Shake Table Facility. <i>Frontiers in Built Environment</i> , 2021, 6, .	2.3	8
32	Analysis of reinforced concrete coupled structural walls via the Beam-Truss Model. <i>Engineering Structures</i> , 2020, 220, 111005.	5.3	7
33	Response of a High Damping Rubber Bearing to Multiaxial Excitation. <i>Journal of Testing and Evaluation</i> , 2021, 49, 1153-1172.	0.7	7
34	Seismic analysis of a modern 14-story reinforced concrete core wall building system using the BTM-shell methodology. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 1540-1562.	4.4	7
35	Proof testing in support of the new San Francisco-Oakland Bay Bridge. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 369-391.	4.4	6
36	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

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37	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
38	RC Wall Plastic Hinge Out-of-Plane Buckling: Analysis Using the Nonlinear Beam-Truss Model. Journal of Structural Engineering, 2020, 146, .	3.4	5
39	Seismic Response of a Four-Story Miniature Building with Replaceable Plastic Hinges. Journal of Earthquake Engineering, 2014, 18, 1217-1240.	2.5	1
40	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
41	Service-Life Performance Case Studies of Underground Reinforced Concrete Utility Vaults. Journal of Performance of Constructed Facilities, 2021, 35, 04021006.	2.0	0