Oren

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6274416/publications.pdf

Version: 2024-02-01

47	1,425	257357	330025
papers	citations	24 h-index	37 g-index

48	48	48	567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retrofitting of Irregular Structures for Seismic Loads Using Rocking Walls. Geotechnical, Geological and Earthquake Engineering, 2022, , 151-161.	0.1	2
2	Topology optimization of multiple-rocking concentrically braced frames subjected to earthquakes. Structural and Multidisciplinary Optimization, 2022, 65, 1.	1.7	6
3	Biâ€tuned semiâ€active TMDs: Multiâ€hazard design for tall buildings using gradientâ€based optimization. Structural Control and Health Monitoring, 2022, 29, .	1.9	4
4	Optimization Based Seismic Design of Self-centering Concentrically Braced Frames. Lecture Notes in Civil Engineering, 2022, , 737-745.	0.3	1
5	Optimizationâ€based seismic design of steel momentâ€resisting frames with nonlinear viscous dampers. Structural Control and Health Monitoring, 2021, 28, .	1.9	29
6	Mixed Lagrangian formalism for dynamic analysis of selfâ€centering systems. Earthquake Engineering and Structural Dynamics, 2021, 50, 998-1019.	2.5	8
7	Life-cycle cost-based optimization of MTMDs for tall buildings under multiple hazards. Structure and Infrastructure Engineering, 2021, 17, 921-940.	2.0	20
8	Performanceâ€based seismic retrofitting of frame structures using negative stiffness devices and fluid viscous dampers via optimization. Earthquake Engineering and Structural Dynamics, 2021, 50, 3116-3137.	2.5	15
9	Gradient-based multi-hazard optimization of MTMDs for tall buildings. Computers and Structures, 2021, 249, 106503.	2.4	12
10	Seismic design of multipleâ€rocking systems: A gradientâ€based optimization approach. Earthquake Engineering and Structural Dynamics, 2021, 50, 3460-3482.	2.5	10
11	Multi-objective loss-based optimization of viscous dampers for seismic retrofitting of irregular structures. Soil Dynamics and Earthquake Engineering, 2020, 129, 105765.	1.9	13
12	Adjoint sensitivity analysis and optimization of transient problems using the mixed Lagrangian formalism as a time integration scheme. Structural and Multidisciplinary Optimization, 2020, 61, 619-634.	1.7	9
13	Optimized Seismic Design of Passively Damped Outriggers Considering Perimeter Column Flexibility. Journal of Structural Engineering, 2020, 146, .	1.7	11
14	Performance based formal optimized seismic design of steel moment resisting frames. Computers and Structures, 2020, 235, 106269.	2.4	18
15	LIFE-CYCLE COST OPTIMIZATION OF TUNED MASS DAMPERS FOR TALL BUILDINGS SUBJECTED TO WINDS AND EARTHQUAKES. , 2019, , .		1
16	Optimizing Skyscrapers' Spatial Integrated DSF-MTMD System Under Wind Loads. , 2019, , .		0
17	Adjoint sensitivity analysis and optimization of hysteretic dynamic systems with nonlinear viscous dampers. Structural and Multidisciplinary Optimization, 2018, 57, 2273-2289.	1.7	30
18	Optimizationâ€based minimumâ€cost seismic retrofitting of hysteretic frames with nonlinear fluid viscous dampers. Earthquake Engineering and Structural Dynamics, 2018, 47, 2985-3005.	2.5	38

#	Article	IF	Citations
19	Multi-hazard loss analysis of tall buildings under wind and seismic loads. Structure and Infrastructure Engineering, 2018, 14, 1295-1311.	2.0	47
20	Extension of the effective modal seismic design method to generally irregular RC wall structures. Bulletin of Earthquake Engineering, 2018, 16, 5341-5370.	2.3	2
21	Local deformationâ€based design of minimalâ€disturbance arm damper for retrofitting steel momentâ€resisting frames. Earthquake Engineering and Structural Dynamics, 2017, 46, 1493-1509.	2.5	4
22	Minimumâ€cost optimization of nonlinear fluid viscous dampers and their supporting members for seismic retrofitting. Earthquake Engineering and Structural Dynamics, 2017, 46, 1941-1961.	2.5	61
23	Multi-objective optimal design of tuned mass dampers. Structural Control and Health Monitoring, 2017, 24, e2008.	1.9	34
24	Effective modal seismic design of two-way asymmetric-plan RC wall structures. Bulletin of Earthquake Engineering, 2017, 15, 3819-3853.	2.3	3
25	Minimalâ€disturbance seismic rehabilitation of steel momentâ€resisting frames using lightâ€weight steel elements. Earthquake Engineering and Structural Dynamics, 2016, 45, 383-400.	2.5	8
26	Towards realistic minimum-cost optimization of viscous fluid dampers for seismic retrofitting. Bulletin of Earthquake Engineering, 2016, 14, 971-998.	2.3	34
27	Practical Modal Pushover Design of one-way asymmetric-plan reinforced concrete wall buildings for unidirectional ground motion. Bulletin of Earthquake Engineering, 2015, 13, 2915-2944.	2.3	11
28	A methodology for the integrated seismic design of nonlinear buildings with supplemental damping. Structural Control and Health Monitoring, 2015, 22, 484-499.	1.9	32
29	Optimality criteria based seismic design of multiple tuned-mass-dampers for the control of 3D irregular buildings. Earthquake and Structures, 2015, 8, 77-100.	1.0	25
30	Earthquake engineering research needs in light of lessons learned from the 2011 Tohoku earthquake. Earthquake Engineering and Engineering Vibration, 2014, 13, 141-149.	1.1	41
31	Simultaneous topology and sizing optimization of viscous dampers in seismic retrofitting of 3D irregular frame structures. Earthquake Engineering and Structural Dynamics, 2014, 43, 1325-1342.	2.5	48
32	Full resources utilization seismic design of irregular structures using multiple tuned mass dampers. Structural and Multidisciplinary Optimization, 2013, 48, 517-532.	1.7	34
33	Seismic behavior of viscously damped yielding frames under structural and damping uncertainties. Bulletin of Earthquake Engineering, 2013, 11, 2309-2332.	2.3	39
34	Time-Integrated Mixed Lagrangian Formulation for Time-Discontinuous or Impulsive Loadings and Responses of Structures. Journal of Engineering Mechanics - ASCE, 2013, 139, 1239-1248.	1.6	2
35	On the efficiency of viscous dampers in reducing various seismic responses of wall structures. Earthquake Engineering and Structural Dynamics, 2012, 41, 1673-1692.	2.5	25
36	Earthquake Simulator Testing and Seismic Evaluation of Suspended Ceilings. Journal of Architectural Engineering, 2010, 16, 63-73.	0.8	30

#	Article	IF	Citations
37	Dynamic Analysis of Gap Closing and Contact in the Mixed Lagrangian Framework: Toward Progressive Collapse Prediction. Journal of Engineering Mechanics - ASCE, 2010, 136, 979-986.	1.6	23
38	Multi-Objective Evolutionary Seismic Design with Passive Energy Dissipation Systems. Journal of Earthquake Engineering, 2009, 13, 758-790.	1.4	120
39	Simple Iterative Use of Lyapunov's Solution for the Linear Optimal Seismic Design of Passive Devices in Framed Buildings. Journal of Earthquake Engineering, 2009, 13, 650-666.	1.4	39
40	Quantitative Comparison of Optimization Approaches for the Design of Supplemental Damping in Earthquake Engineering Practice. Journal of Structural Engineering, 2009, 135, 321-325.	1.7	21
41	Design of passive systems for control of inelastic structures. Earthquake Engineering and Structural Dynamics, 2009, 38, 783-804.	2.5	49
42	Numerical collapse simulation of largeâ€scale structural systems using an optimizationâ€based algorithm. Earthquake Engineering and Structural Dynamics, 2009, 38, 655-677.	2.5	62
43	Progressive collapse analysis through strength degradation and fracture in the Mixed Lagrangian Formulation. Earthquake Engineering and Structural Dynamics, 2009, 38, 1483-1504.	2.5	33
44	Fully stressed design of passive controllers in framed structures for seismic loadings. Structural and Multidisciplinary Optimization, 2006, 32, 485-498.	1.7	123
45	Optimal design of supplemental viscous dampers for linear framed structures. Earthquake Engineering and Structural Dynamics, 2006, 35, 337-356.	2.5	87
46	OPTIMAL PERIPHERAL DRIFT CONTROL OF 3D IRREGULAR FRAMED STRUCTURES USING SUPPLEMENTAL VISCOUS DAMPERS. Journal of Earthquake Engineering, 2006, 10, 903-923.	1.4	61
47	Optimal design of supplemental viscous dampers for irregular shear-frames in the presence of yielding. Earthquake Engineering and Structural Dynamics, 2005, 34, 889-907.	2.5	100