

Stefano Sorace

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

625
citations

471509

17
h-index

610901

24
g-index

38
all docs

38
docs citations

38
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Protection of Frame Structures by Fluid Viscous Damped Braces. Journal of Structural Engineering, 2008, 134, 45-55.	3.4	73
2	Non-linear dynamic modelling and design procedure of FV spring-dampers for base isolation. Engineering Structures, 2001, 23, 1556-1567.	5.3	55
3	Seismic performance assessment and base-isolated floor protection of statues exhibited in museum halls. Bulletin of Earthquake Engineering, 2015, 13, 1873-1892.	4.1	40
4	Analysis and Demonstrative Application of a Base Isolation/Supplemental Damping Technology. Earthquake Spectra, 2008, 24, 775-793.	3.1	37
5	Passive energy dissipation-based retrofit strategies for R/C frame water towers. Engineering Structures, 2016, 106, 385-398.	5.3	33
6	Shaking Table and Numerical Seismic Performance Evaluation of a Fluid Viscous-Dissipative Bracing System. Earthquake Spectra, 2012, 28, 1619-1642.	3.1	31
7	Analysis and mitigation of seismic pounding of a slender R/C bell tower. Engineering Structures, 2014, 71, 23-34.	5.3	30
8	Existing prefab R/C industrial buildings: Seismic assessment and supplemental damping-based retrofit. Soil Dynamics and Earthquake Engineering, 2017, 94, 193-203.	3.8	28
9	The damped cable system for seismic protection of frame structures – Part I: General concepts, testing and modeling. Earthquake Engineering and Structural Dynamics, 2012, 41, 915-928.	4.4	26
10	Motion control-based seismic retrofit solutions for a R/C school building designed with earlier Technical Standards. Bulletin of Earthquake Engineering, 2014, 12, 2723-2744.	4.1	26
11	The damped cable system for seismic protection of frame structures – Part II: Design and application. Earthquake Engineering and Structural Dynamics, 2012, 41, 929-947.	4.4	25
12	Dissipative Bracing-Based Seismic Retrofit of R/C School Buildings. Open Construction and Building Technology Journal, 2012, 6, 334-345.	0.7	24
13	Experimental investigation on a base isolation system incorporating steel–Teflon sliders and pressurized fluid viscous spring dampers. Earthquake Engineering and Structural Dynamics, 2008, 37, 225-242.	4.4	22
14	Structural assessment of a modern heritage building. Engineering Structures, 2013, 49, 743-755.	5.3	22
15	Non-linear dynamic design procedure of FV spring-dampers for base isolation – frame building applications. Engineering Structures, 2001, 23, 1568-1576.	5.3	19
16	Analysis, Design, and Construction of a Base-Isolated Multiple Building Structure. Advances in Civil Engineering, 2014, 2014, 1-13.	0.7	19
17	Seismic assessment and retrofit of two heritage-listed R/C elevated water storage tanks. Soil Dynamics and Earthquake Engineering, 2015, 77, 123-136.	3.8	17
18	Mutual seismic assessment and isolation of different art objects. Soil Dynamics and Earthquake Engineering, 2016, 85, 91-102.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Nonlinear Modeling and Mitigation of Seismic Pounding between R/C Frame Buildings. Journal of Earthquake Engineering, 2015, 19, 431-460.	2.5	15
20	Activation control extension of a design method of fluid viscous dissipative bracing systems. Bulletin of Earthquake Engineering, 2020, 18, 4017-4038.	4.1	14
21	A viable base isolation strategy for the advanced seismic retrofit of an R/C building. Contemporary Engineering Sciences, 0, 7, 817-834.	0.2	11
22	Long-term tensile and bending strength of natural building stones. Materiaux Et Constructions, 1996, 29, 426-435.	0.3	10
23	Enhanced Seismic Retrofit of a Reinforced Concrete Building of Architectural Interest. Buildings, 2020, 10, 211.	3.1	7
24	Seismic Evaluation and Retrofit of Historical Churches. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2002, 12, 283-288.	0.8	6
25	Advanced Seismic Retrofit of a Mixed R/C-Steel Structure. Buildings, 2019, 9, 241.	3.1	6
26	Traditional and viscous dissipative steel braced top addition strategies for a R/C building. International Journal of Structural Engineering, 2015, 6, 332.	0.4	4
27	Time-delayed rupture of stones under low tensile and bending stress states. Materials and Structures/Materiaux Et Constructions, 1998, 31, 428-432.	3.1	2
28	Effects of initial creep conditions and temporary unloading on the long-term response of stones. Materials and Structures/Materiaux Et Constructions, 1998, 31, 555-562.	3.1	2
29	Roof Isolation and Girder-to-Column Dissipative Connections in Seismic Design of Precast R/C Structures. Infrastructures, 2020, 5, 104.	2.8	2
30	VISCOUS DISSIPATIVE, DUCTILITY-BASED AND ELASTIC BRACING DESIGN SOLUTIONS FOR AN INDOOR SPORTS STEEL BUILDING. , 2012, , 295-316.		1
31	Innovative Structural Solutions for Prefab Reinforced Concrete Hall-Type Buildings. Open Construction and Building Technology Journal, 2019, 13, 149-163.	0.7	1
32	Advanced Materials and Technologies for Structural Performance Improvement. Advances in Materials Science and Engineering, 2016, 2016, 1-3.	1.8	0
33	Verification of an energy-based design procedure for seismic retrofit of a school building. Procedia Structural Integrity, 2018, 11, 161-168.	0.8	0
34	Energy Dissipation Systems for Seismic Vibration-Induced Damage Mitigation in Building Structures: Development, Modeling, Analysis, and Design. Shock and Vibration, 2018, 2018, 1-2.	0.6	0
35	Seismic Assessment and Retrofit Design of a School Building in Florence. IOP Conference Series: Materials Science and Engineering, 2019, 603, 032003.	0.6	0
36	Redesign of a dissipative bracing-based retrofit intervention for an earthquake damaged school building. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	A Case Study of Modern Heritage Building: Base Isolation Seismic Retrofit for Preservation of its Architectural Distinguishing Features. IOP Conference Series: Materials Science and Engineering, 2020, 960, 032056.	0.6	0
38	Local Retrofit of Reinforced Concrete Structures by the ACM System. Buildings, 2021, 11, 575.	3.1	0