

# Alberto Pavese

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

885  
citations

471061

17  
h-index

476904

29  
g-index

54  
all docs

54  
docs citations

54  
times ranked

638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance-Based Seismic Retrofit Strategy for Existing Reinforced Concrete Frame Systems Using Fiber-Reinforced Polymer Composites. <i>Journal of Composites for Construction</i> , 2007, 11, 211-226.	1.7	95
2	Experimental assessment of the seismic performance of a prefabricated concrete structural wall system. <i>Engineering Structures</i> , 2011, 33, 2049-2062.	2.6	92
3	Experimental and Numerical Studies on the Seismic Response of R.C. Hollow Bridge Piers. <i>Bulletin of Earthquake Engineering</i> , 2005, 3, 267-297.	2.3	61
4	Tensile capacity of FRP anchors in connecting FRP and TRM sheets to concrete. <i>Engineering Structures</i> , 2015, 82, 72-81.	2.6	58
5	Experimental investigation of the cyclic response of double curved surface sliders subjected to radial and bidirectional sliding motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 117, 190-202.	1.9	55
6	Experimental dynamic response of spherical friction-based isolation devices. <i>Journal of Earthquake Engineering</i> , 2019, 23, 1465-1484.	1.4	37
7	Experimental evaluation of extra-stroke displacement capacity for Curved Surface Slider devices. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 146, 106752.	1.9	35
8	FRP SEISMIC RETROFIT OF RC SQUARE HOLLOW SECTION BRIDGE PIERS. <i>Journal of Earthquake Engineering</i> , 2004, 8, 225-250.	1.4	30
9	Modelling curved surface sliding bearings with bilinear constitutive law: effects on the response of seismically isolated buildings. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2179-2196.	1.3	29
10	System Identification and Seismic Assessment Modeling Implications for Italian School Buildings. <i>Journal of Performance of Constructed Facilities</i> , 2019, 33, .	1.0	29
11	Advanced Modelling and Risk Analysis of RC Buildings with Sliding Isolation Systems Designed by the Italian Seismic Code. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1938.	1.3	25
12	Experimental assessment of the cyclic response of friction-based isolators under bidirectional motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 114, 1-11.	1.9	23
13	A computational framework for fast-time hybrid simulation based on partitioned time integration and state-space modeling. <i>Structural Control and Health Monitoring</i> , 2019, 26, e2419.	1.9	23
14	Experimental Assessment of the Seismic Response of a Base-Isolated Building Through a Hybrid Simulation Technique. <i>Frontiers in Built Environment</i> , 2020, 6, .	1.2	21
15	Mechanical model for seismic response assessment of lightly reinforced concrete walls. <i>Earthquake and Structures</i> , 2016, 11, 461-481.	1.0	21
16	Investigation of the Consequences of Mounting Laying Defects for Curved Surface Slider Devices under General Seismic Input. <i>Journal of Earthquake Engineering</i> , 2019, 23, 377-403.	1.4	20
17	Seismic Vulnerability Assessment of an Infilled Reinforced Concrete Frame Structure Designed for Gravity Loads. <i>Journal of Earthquake Engineering</i> , 2017, 21, 267-289.	1.4	19
18	Equivalent uniaxial accelerogram for CSS-based isolation systems assessment under two-components seismic events. <i>Mechanics Based Design of Structures and Machines</i> , 2017, 45, 282-295.	3.4	19

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19	Strategies of structural health monitoring for bridges based on cloud computing. Journal of Civil Structural Health Monitoring, 2019, 9, 607-616.	2.0	19
20	CONCEPTUAL DESIGN OF ISOLATION SYSTEMS FOR BRIDGE STRUCTURES. Journal of Earthquake Engineering, 1997, 1, 193-218.	1.4	18
21	Shaking table tests of a full-scale flat-bottom manufactured steel silo filled with wheat: Main results on the fixed-base configuration. Earthquake Engineering and Structural Dynamics, 2022, 51, 169-190.	2.5	18
22	Modelling and Seismic Response Analysis of Existing Italian Residential RC Buildings Retrofitted by Seismic Isolation. Journal of Earthquake Engineering, 2023, 27, 1069-1093.	1.4	18
23	Assessment of Scale Effects in the Experimental Evaluation of the Coefficient of Friction of Sliding Isolators. Journal of Earthquake Engineering, 2022, 26, 525-545.	1.4	17
24	Definition of a Simplified Design Procedure of Seismic Isolation Systems for Bridges. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2020, 30, 381-386.	0.5	17
25	Eucentre TREES Lab: Laboratory for Training and Research in Earthquake Engineering and Seismology. Geotechnical, Geological and Earthquake Engineering, 2012, , 65-81.	0.1	16
26	Experimental vs. Numerical Simulations: Seismic Response of a Half Scale Three-Storey Infilled RC Building Strengthened Using FRP Retrofit. Open Civil Engineering Journal, 2017, 11, 1158-1169.	0.4	11
27	Experimental performance of a multi-storey braced frame structure with non-structural industrial components subjected to synthetic ground motions. Earthquake Engineering and Structural Dynamics, 2022, 51, 2113-2136.	2.5	11
28	Computer Vision System for Monitoring in Dynamic Structural Testing. Geotechnical, Geological and Earthquake Engineering, 2012, , 159-176.	0.1	9
29	Evaluation of Response of an Isolated System Based on Double Curved Surface Sliders. Computational Methods in Applied Sciences (Springer), 2013, , 397-416.	0.1	6
30	Title is missing!. Journal of Earthquake Engineering, 2004, 8, 225.	1.4	5
31	Development of Software and Hardware Architecture for Real-Time Dynamic Hybrid Testing and Application to a Base Isolated Structure. Journal of Earthquake Engineering, 2012, 16, 65-82.	1.4	5
32	A framework for hybrid simulation with online model updating suitable for hard real-time computing. Structural Control and Health Monitoring, 2021, 28, .	1.9	4
33	Title is missing!. Journal of Earthquake Engineering, 1997, 1, 193.	1.4	3
34	System Identification and Structural Modelling of Italian School Buildings. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 301-303.	0.3	3
35	NUMERICAL ASSESSMENT ON THE SEISMIC RESPONSE OF A BASE-ISOLATED BUILDING UNDER BI-DIRECTIONAL MOTION. , 2015, , .		3
36	Assessment of the Seismic Response of Isolated Bridges under extra-stroke displacement demands. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	Experimental Studies of the Response of Hollow Bridge Piers. , 2000, , .		1
38	An overview of seismic testing needs in Europe: towards a new advanced experimental facility. Bulletin of Earthquake Engineering, 2011, 9, 623-640.	2.3	1
39	MODELING STRATEGIES FOR THE LATERAL RESPONSE OF CURVED SURFACE SLIDER DEVICES UNDER EXTREME DISPLACEMENT DEMANDS. , 2021, , .		1
40	EQUIVALENT UNIAXIAL ACCELEROGRAM FOR CSS-BASED ISOLATION SYSTEMS ASSESSMENT UNDER TWO-COMPONENTS SEISMIC EVENTS. , 2016, , .		1
41	EXPERIMENTAL INVESTIGATION OF THE BEHAVIOR OF VARIABLE FRICTION BASE ISOLATION SYSTEMS. , 2019, , .		1
42	Verification Through Shaking Table Testing of EC8-Based Assessment Approaches Applied to a Building Designed for Gravity-Loads. Geotechnical, Geological and Earthquake Engineering, 2010, , 471-482.	0.1	1
43	Optimized Design of Seismic Isolation Systems for Existing Bridges. IABSE Symposium Report, 2018, , .	0.0	1
44	STATIC CONDENSATION PROCEDURE OF FINITE ELEMENT MODELS FOR FAST NON-LINEAR TIME HISTORY ANALYSES OF BASE-ISOLATED STRUCTURES. , 2019, , .		1
45	Investigation of the Response Variability of Base-A Isolated Building Equipped With Lead Rubber Bearings. , 0, , .		0
46	EXPERIMENTAL COMPARISON BETWEEN FLAT AND CURVED SLIDING CONDITIONS FOR THE RESPONSE EVALUATION OF CURVED SURFACE SLIDER DEVICES. , 2021, , .		0
47	EUCENTRE and seismic emergency: technical preparedness activities and response after the central Italy earthquake. Gradeninar, 2021, 73, 389-398.	0.2	0
48	Towards a European High Capacity Facility for Advanced Seismic Testing. Geotechnical, Geological and Earthquake Engineering, 2012, , 99-118.	0.1	0
49	EFFECTS OF EQUIVALENT RADIAL ACCELEROGRAMS FOR BIDIRECTIONAL SEISMIC EVENTS ON BASE-ISOLATED STRUCTURES. , 2017, , .		0
50	CONSEQUENCES OF MECHANICAL PROPERTIES VARIABILITY OF SEISMIC ISOLATION SYSTEMS ON THE STRUCTURAL RESPONSE OF BUILDINGS. , 2019, , .		0
51	COMPARISON BETWEEN RADIAL AND BIDIRECTIONAL RESPONSES OF A BASE ISOLATED BUILDING EQUIPPED WITH CONCAVE SURFACE SLIDER DEVICES. , 2019, , .		0
52	Experimental Investigation on the Seismic Performance of a Multi-Component System for Major-Hazard Industrial Facilities. , 2021, , .		0
53	Shake Table Testing for a Multi-Component Prototype Industrial Plant: Input and System Modelling Issues. , 2021, , .		0