Sergio Ruggieri

List of Publications by Year
in descending order

20 papers	472 citations	687363 13 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	257 citing authors

#	Article	IF	Citations
1	Seismic Vulnerability Analysis of Masonry Churches in Piemonte after 2003 Valle Scrivia Earthquake: Post-event Screening and Situation 17 Years Later. International Journal of Architectural Heritage, 2022, 16, 717-745.	3.1	39
2	A New Approach to Predict the Fundamental Period of Vibration for Newly-designed Reinforced Concrete Buildings. Journal of Earthquake Engineering, 2022, 26, 6943-6968.	2.5	15
3	Assessment of Structural Behavior, Vulnerability, and Risk of Industrial Silos: State-of-the-Art and Recent Research Trends. Applied Sciences (Switzerland), 2022, 12, 3006.	2.5	9
4	View VULMA: Data Set for Training a Machine-Learning Tool for a Fast Vulnerability Analysis of Existing Buildings. Data, 2022, 7, 4.	2.3	16
5	Two frugal options to assess class fragility and seismic safety for low-rise reinforced concrete school buildings in Southern Italy. Bulletin of Earthquake Engineering, 2021, 19, 1415-1439.	4.1	54
6	Appraising seismic vulnerability of masonry aggregates through an automated mechanical-typological approach. Automation in Construction, 2021, 132, 103972.	9.8	32
7	Machine-learning based vulnerability analysis of existing buildings. Automation in Construction, 2021, 132, 103936.	9.8	69
8	Floor Acceleration Demands in a Twelve-Storey RC Shear Wall Building. Buildings, 2021, 11, 38.	3.1	18
9	A practical approach for estimating the floor deformability in existing RC buildings: evaluation of the effects in the structural response and seismic fragility. Bulletin of Earthquake Engineering, 2020, 18, 2083-2113.	4.1	44
10	A prioritization RVS methodology for the seismic risk assessment of RC school buildings. International Journal of Disaster Risk Reduction, 2020, 51, 101807.	3.9	50
11	Accounting for the Spatial Variability of Seismic Motion in the Pushover Analysis of Regular and Irregular RC Buildings in the New Italian Building Code. Buildings, 2020, 10, 177.	3.1	29
12	Nonlinear Modeling Approaches for Existing Reinforced Concrete Buildings: The Case Study of De Gasperi-Battaglia School Building in Norcia. Lecture Notes in Civil Engineering, 2020, , 82-95.	0.4	8
13	A novel rapid survey form for the vulnerability assessment of existing building stock based on the â€œIndex Buildingâ€•approach. , 2019, , .		0
14	Structural vulnerability assessment of masonry churches supported by user-reported data and modern Internet of Things (IoT). Measurement: Journal of the International Measurement Confederation, 2019, 131, 183-192.	5.0	37
15	A MECHANICAL APPROACH FOR ESTIMATING REGIONAL FRAGILITY CURVES OF EXISTING RC BUILDINGS STOCK IN PUGLIA. , 2019, , .		4
16	INFLUENCE OF INFILL PANELS AND FLOOR SYSTEM IN THE FRAGILITY ANALYSIS OF EXISTING RC BUILDINGS: A CASE STUDY. , 2019, , .		2
17	INFLUENCE OF NONLINEAR MODELING ON CAPACITY ASSESSMENT OF RC FRAMED STRUCTURES. , 2019, , .		1
18	Effects in Conventional Nonlinear Static Analysis: Evaluation of Control Node Position. Structures, 2018, 13, 178-192.	3.6	17

#	Article	IF	Citations
19	A numerical procedure for modeling the floor deformability in seismic analysis of existing RC buildings. Journal of Building Engineering, 2018, 19, 273-284.	3.4	25
20	INFLUENCE OF RIGID FLOOR ASSUMPTION IN SEISMIC ANALYSIS OF RC EXISTING BUILDINGS. , 2017, , .		3