

Sergio Ruggieri

List of Publications by Year in descending order

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Version: 2024-02-01

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	Machine-learning based vulnerability analysis of existing buildings. Automation in Construction, 2021, 132, 103936.	9.8	69
2	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
3	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
4	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
5	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
6	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
7	Appraising seismic vulnerability of masonry aggregates through an automated mechanical-typological approach. Automation in Construction, 2021, 132, 103972.	9.8	32
8	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
9	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
10	Floor Acceleration Demands in a Twelve-Storey RC Shear Wall Building. Buildings, 2021, 11, 38.	3.1	18
11	Effects in Conventional Nonlinear Static Analysis: Evaluation of Control Node Position. Structures, 2018, 13, 178-192.	3.6	17
12	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
13	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
14	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
15	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
16	A MECHANICAL APPROACH FOR ESTIMATING REGIONAL FRAGILITY CURVES OF EXISTING RC BUILDINGS STOCK IN PUGLIA. , 2019, , .		4
17	INFLUENCE OF RIGID FLOOR ASSUMPTION IN SEISMIC ANALYSIS OF RC EXISTING BUILDINGS. , 2017, , .		3
18	INFLUENCE OF INFILL PANELS AND FLOOR SYSTEM IN THE FRAGILITY ANALYSIS OF EXISTING RC BUILDINGS: A CASE STUDY. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	INFLUENCE OF NONLINEAR MODELING ON CAPACITY ASSESSMENT OF RC FRAMED STRUCTURES., 2019, , .		1
20	A novel rapid survey form for the vulnerability assessment of existing building stock based on the "Index Building" approach., 2019, , .		0