Raffaele De Risi

List of Publications by Year
in descending order

55	1,522	279487	329751
papers	citations	23 h-index	37 g-index

59	59	59	1431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bayesian Cloud Analysis: efficient structural fragility assessment using linear regression. Bulletin of Earthquake Engineering, 2015, 13, 1183-1203.	2.3	189
2	Seismic performance assessment of monopile-supported offshore wind turbines using unscaled natural earthquake records. Soil Dynamics and Earthquake Engineering, 2018, 109, 154-172.	1.9	106
3	Flood risk assessment for informal settlements. Natural Hazards, 2013, 69, 1003-1032.	1.6	101
4	Local Site Effects and Incremental Damage of Buildings during the 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1639-1669.	1.6	78
5	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. Frontiers in Earth Science, 2021, 9, .	0.8	65
6	Probabilistic GIS-based method for delineation of urban flooding risk hotspots. Natural Hazards, 2014, 73, 975.	1.6	64
7	Life Cycle Cost and Return on Investment as complementary decision variables for urban flood risk management in developing countries. International Journal of Disaster Risk Reduction, 2018, 28, 88-106.	1.8	53
8	Is flow velocity important in tsunami empirical fragility modeling?. Earth-Science Reviews, 2017, 166, 64-82.	4.0	51
9	Multi-hazard loss estimation for shaking and tsunami using stochastic rupture sources. International Journal of Disaster Risk Reduction, 2018, 28, 539-554.	1.8	42
10	Seismic vulnerability of offshore wind turbines to pulse and nonâ€pulse records. Earthquake Engineering and Structural Dynamics, 2020, 49, 24-50.	2.5	42
11	Probabilistic Earthquakeâ€“Tsunami Multi-Hazard Analysis: Application to the Tohoku Region, Japan. Frontiers in Built Environment, 2016, 2, .	1.2	41
12	Delineation of flooding risk hotspots based on digital elevation model, calculated and historical flooding extents: the case of Ouagadougou. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1545-1559.	1.9	37
13	Reconnaissance of 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1547-1555.	1.6	36
14	From flood risk mapping toward reducing vulnerability: the case of Addis Ababa. Natural Hazards, 2020, 100, 387-415.	1.6	35
15	Model updating and seismic loss assessment for a portfolio of bridges. Bulletin of Earthquake Engineering, 2016, 14, 699-719.	2.3	32
16	Mainshockâ€aftershock stateâ€dependent fragility curves: A case of woodâ€frame houses in British Columbia, Canada. Earthquake Engineering and Structural Dynamics, 2020, 49, 884-903.	2.5	32
17	Meso-scale hazard zoning of potentially flood prone areas. Journal of Hydrology, 2015, 527, 316-325.	2.3	29
18	Performance-based flood safety-checking for non-engineered masonry structures. Engineering Structures, 2016, 106, 109-123.	2.6	28

#	Article	IF	Citations
19	Probabilistic seismic performance assessment of an existing RC bridge with portal-frame piers designed for gravity loads only. Engineering Structures, 2017, 145, 348-367.	2.6	26
20	Stochastic coupled simulation of strong motion and tsunami for the 2011 Tohoku, Japan earthquake. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2337-2355.	1.9	26
21	Simulation-Based Probabilistic Tsunami Hazard Analysis: Empirical and Robust Hazard Predictions. Pure and Applied Geophysics, 2017, 174, 3083-3106.	0.8	26
22	Bayesian tsunami fragility modeling considering input data uncertainty. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1253-1269.	1.9	25
23	Scenario-Based Seismic Risk Assessment for Buried Transmission Gas Pipelines at Regional Scale. Journal of Pipeline Systems Engineering and Practice, 2018, 9, .	0.9	25
24	Multi-dimensional damage measure for seismic reliability analysis. Structural Safety, 2019, 78, 1-11.	2.8	25
25	Seismic risk at urban scale: the role of site response analysis. Soil Dynamics and Earthquake Engineering, 2019, 123, 320-336.	1.9	22
26	Empirical Assessment of Non-Linear Seismic Demand of MainshockÃ¢â‚¬â€œAftershock Ground-Motion Sequences for Japanese Earthquakes. Frontiers in Built Environment, 2015, 1, .	1.2	20
27	Probabilistic Tsunami Loss Estimation Methodology: Stochastic Earthquake Scenario Approach. Earthquake Spectra, 2017, 33, 1301-1323.	1.6	20
28	Multi-hazard earthquake-tsunami loss estimation of Kuroshio Town, Kochi Prefecture, Japan considering the Nankai-Tonankai megathrust rupture scenarios. International Journal of Disaster Risk Reduction, 2021, 54, 102050.	1.8	17
29	Seismic hazard and risk in Bhutan. Natural Hazards, 2020, 104, 2339-2367.	1.6	15
30	Seismic assessment of wind turbines: How crucial is rotor-nacelle-assembly numerical modeling?. Soil Dynamics and Earthquake Engineering, 2021, 141, 106483.	1.9	15
31	Fragility curves for non-engineered masonry buildings in developing countries derived from real data based on structural surveys and laboratory tests. Soft Computing, 2021, 25, 6113-6138.	2.1	15
32	Defining structural robustness under seismic and simultaneous actions: an application to precast RC buildings. Bulletin of Earthquake Engineering, 2016, 14, 485-499.	2.3	14
33	Influence of Flow Velocity on Tsunami Loss Estimation. Geosciences (Switzerland), 2017, 7, 114.	1.0	14
34	The SAFER geodatabase for the Kathmandu valley: Bayesian kriging for data-scarce regions. Earthquake Spectra, 2021, 37, 1108-1126.	1.6	14
35	Approximate Method for Transverse Response Analysis of Partially Isolated Bridges. Journal of Bridge Engineering, 2013, 18, 1121-1130.	1.4	12
36	The SAFER geodatabase for the Kathmandu Valley: Geotechnical and geological variability. Earthquake Spectra, 2020, 36, 1549-1569.	1.6	12

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37	Seismic fragility models for typical non-engineered URM residential buildings in Malawi. Structures, 2021, 32, 2266-2278.	1.7	12
38	Uncertainty quantification of tsunami inundation in Kuroshio, Kochi Prefecture, Japan, using the Nankaiâ€“Tonankai megathrust rupture scenarios. Natural Hazards and Earth System Sciences, 2020, 20, 3039-3056.	1.5	12
39	Finite element modeling optimization of wind turbine blades from an earthquake engineering perspective. Engineering Structures, 2020, 222, 111105.	2.6	10
40	Scenario-based earthquake risk assessment for central-southern Malawi: The case of the Bilila-Mtakataka Fault. International Journal of Disaster Risk Reduction, 2022, 67, 102655.	1.8	10
41	A simplified model for seismic safety assessment of reinforced concrete buildings: framework and application to a 3-storey plan-irregular moment resisting frame. Engineering Structures, 2022, 250, 113348.	2.6	10
42	Liquefaction potential for the Kathmandu Valley, Nepal: a sensitivity study. Bulletin of Earthquake Engineering, 2022, 20, 25-51.	2.3	8
43	Probabilistic Earthquake-tsunami Hazard Assessment: The First Step Towards Resilient Coastal Communities. Procedia Engineering, 2017, 198, 1058-1069.	1.2	6
44	Seismic Mitigation Framework for Non-engineered Masonry Buildings in Developing Countries: Application to Malawi in the East African Rift. , 2019, , 195-223.		6
45	A computational framework for finite element modeling of traveling loads on bridges in dynamic regime. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 470-484.	6.3	6
46	Non-linear finite element optimization for inelastic buckling modelling of smooth rebars. Engineering Structures, 2021, 240, 112378.	2.6	5
47	Vulnerability of Built Environment to Flooding in African Cities. Future City, 2015, , 77-106.	0.2	5
48	Mapping the seismic safety of RC "template schools" in Nepal. International Journal of Disaster Risk Reduction, 2020, 51, 101844.	1.8	4
49	Are current tsunami evacuation approaches safe enough?. Stochastic Environmental Research and Risk Assessment, 2021, 35, 759.	1.9	4
50	A frictional sliding on a sprung slope (FSSS) device that axiomatically confers energy dissipation with re-centring to post-tensioned (PT) frames: A conceptual study. Engineering Structures, 2021, 244, 112794.	2.6	4
51	Challenges and perspectives for integral bridges in the UK: PLEXUS small-scale experiments. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2022, 175, 27-43.	1.1	4
52	A new energyâ€compatible nonstationary stochastic groundâ€motion simulation method. Earthquake Engineering and Structural Dynamics, 2021, 50, 1864-1883.	2.5	3
53	Linear Time-History Analysis for EC8 design of CBF structures. Procedia Engineering, 2017, 199, 3522-3527.	1.2	2
54	Resilient infrastructures for reducing urban flooding risks. , 2021, , 181-200.		2

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55	Seismic Reliability Assessment, Alternative Methods for. , 2014, , 1-29.		2