

Raffaele De Risi

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,522
citations

279487

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times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	A computational framework for finite element modeling of traveling loads on bridges in dynamic regime. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 470-484.	6.3	6
2	Liquefaction potential for the Kathmandu Valley, Nepal: a sensitivity study. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 25-51.	2.3	8
3	Scenario-based earthquake risk assessment for central-southern Malawi: The case of the Bilila-Mtakataka Fault. <i>International Journal of Disaster Risk Reduction</i> , 2022, 67, 102655.	1.8	10
4	A simplified model for seismic safety assessment of reinforced concrete buildings: framework and application to a 3-storey plan-irregular moment resisting frame. <i>Engineering Structures</i> , 2022, 250, 113348.	2.6	10
5	Challenges and perspectives for integral bridges in the UK: PLEXUS small-scale experiments. <i>Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction</i> , 2022, 175, 27-43.	1.1	4
6	The SAFER geodatabase for the Kathmandu valley: Bayesian kriging for data-scarce regions. <i>Earthquake Spectra</i> , 2021, 37, 1108-1126.	1.6	14
7	Resilient infrastructures for reducing urban flooding risks. , 2021, , 181-200.		2
8	Multi-hazard earthquake-tsunami loss estimation of Kuroshio Town, Kochi Prefecture, Japan considering the Nankai-Tonankai megathrust rupture scenarios. <i>International Journal of Disaster Risk Reduction</i> , 2021, 54, 102050.	1.8	17
9	Seismic assessment of wind turbines: How crucial is rotor-nacelle-assembly numerical modeling?. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 141, 106483.	1.9	15
10	Fragility curves for non-engineered masonry buildings in developing countries derived from real data based on structural surveys and laboratory tests. <i>Soft Computing</i> , 2021, 25, 6113-6138.	2.1	15
11	Are current tsunami evacuation approaches safe enough?. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 759.	1.9	4
12	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	65
13	Seismic fragility models for typical non-engineered URM residential buildings in Malawi. <i>Structures</i> , 2021, 32, 2266-2278.	1.7	12
14	Non-linear finite element optimization for inelastic buckling modelling of smooth rebars. <i>Engineering Structures</i> , 2021, 240, 112378.	2.6	5
15	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. <i>Engineering Structures</i> , 2021, 244, 112794.	2.6	4
16	A new energyâ€compatible nonstationary stochastic groundâ€motion simulation method. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1864-1883.	2.5	3
17	From flood risk mapping toward reducing vulnerability: the case of Addis Ababa. <i>Natural Hazards</i> , 2020, 100, 387-415.	1.6	35
18	Seismic vulnerability of offshore wind turbines to pulse and nonâ€pulse records. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 24-50.	2.5	42

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19	Finite element modeling optimization of wind turbine blades from an earthquake engineering perspective. <i>Engineering Structures</i> , 2020, 222, 111105.	2.6	10
20	Mapping the seismic safety of RC "template schools" in Nepal. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101844.	1.8	4
21	Seismic hazard and risk in Bhutan. <i>Natural Hazards</i> , 2020, 104, 2339-2367.	1.6	15
22	Mainshockâ€œaftershock stateâ€œdependent fragility curves: A case of woodâ€œframe houses in British Columbia, Canada. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 884-903.	2.5	32
23	The SAFER geodatabase for the Kathmandu Valley: Geotechnical and geological variability. <i>Earthquake Spectra</i> , 2020, 36, 1549-1569.	1.6	12
24	Uncertainty quantification of tsunami inundation in Kuroshio, Kochi Prefecture, Japan, using the Nankaiâ€œTonankai megathrust rupture scenarios. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 3039-3056.	1.5	12
25	Seismic Mitigation Framework for Non-engineered Masonry Buildings in Developing Countries: Application to Malawi in the East African Rift. , 2019, , 195-223.		6
26	Seismic risk at urban scale: the role of site response analysis. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 123, 320-336.	1.9	22
27	Multi-dimensional damage measure for seismic reliability analysis. <i>Structural Safety</i> , 2019, 78, 1-11.	2.8	25
28	Life Cycle Cost and Return on Investment as complementary decision variables for urban flood risk management in developing countries. <i>International Journal of Disaster Risk Reduction</i> , 2018, 28, 88-106.	1.8	53
29	Multi-hazard loss estimation for shaking and tsunami using stochastic rupture sources. <i>International Journal of Disaster Risk Reduction</i> , 2018, 28, 539-554.	1.8	42
30	Seismic performance assessment of monopile-supported offshore wind turbines using unscaled natural earthquake records. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 109, 154-172.	1.9	106
31	Delineation of flooding risk hotspots based on digital elevation model, calculated and historical flooding extents: the case of Ouagadougou. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1545-1559.	1.9	37
32	Reconnaissance of 2016 Central Italy Earthquake Sequence. <i>Earthquake Spectra</i> , 2018, 34, 1547-1555.	1.6	36
33	Scenario-Based Seismic Risk Assessment for Buried Transmission Gas Pipelines at Regional Scale. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018, 9, .	0.9	25
34	Local Site Effects and Incremental Damage of Buildings during the 2016 Central Italy Earthquake Sequence. <i>Earthquake Spectra</i> , 2018, 34, 1639-1669.	1.6	78
35	Bayesian tsunami fragility modeling considering input data uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1253-1269.	1.9	25
36	Is flow velocity important in tsunami empirical fragility modeling?. <i>Earth-Science Reviews</i> , 2017, 166, 64-82.	4.0	51

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37	Probabilistic seismic performance assessment of an existing RC bridge with portal-frame piers designed for gravity loads only. <i>Engineering Structures</i> , 2017, 145, 348-367.	2.6	26
38	Stochastic coupled simulation of strong motion and tsunami for the 2011 Tohoku, Japan earthquake. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2337-2355.	1.9	26
39	Probabilistic Earthquake-tsunami Hazard Assessment: The First Step Towards Resilient Coastal Communities. <i>Procedia Engineering</i> , 2017, 198, 1058-1069.	1.2	6
40	Linear Time-History Analysis for EC8 design of CBF structures. <i>Procedia Engineering</i> , 2017, 199, 3522-3527.	1.2	2
41	Simulation-Based Probabilistic Tsunami Hazard Analysis: Empirical and Robust Hazard Predictions. <i>Pure and Applied Geophysics</i> , 2017, 174, 3083-3106.	0.8	26
42	Probabilistic Tsunami Loss Estimation Methodology: Stochastic Earthquake Scenario Approach. <i>Earthquake Spectra</i> , 2017, 33, 1301-1323.	1.6	20
43	Influence of Flow Velocity on Tsunami Loss Estimation. <i>Geosciences (Switzerland)</i> , 2017, 7, 114.	1.0	14
44	Probabilistic Earthquake-Tsunami Multi-Hazard Analysis: Application to the Tohoku Region, Japan. <i>Frontiers in Built Environment</i> , 2016, 2, .	1.2	41
45	Performance-based flood safety-checking for non-engineered masonry structures. <i>Engineering Structures</i> , 2016, 106, 109-123.	2.6	28
46	Model updating and seismic loss assessment for a portfolio of bridges. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 699-719.	2.3	32
47	Defining structural robustness under seismic and simultaneous actions: an application to precast RC buildings. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 485-499.	2.3	14
48	Empirical Assessment of Non-Linear Seismic Demand of Mainshock-Aftershock Ground-Motion Sequences for Japanese Earthquakes. <i>Frontiers in Built Environment</i> , 2015, 1, .	1.2	20
49	Meso-scale hazard zoning of potentially flood prone areas. <i>Journal of Hydrology</i> , 2015, 527, 316-325.	2.3	29
50	Bayesian Cloud Analysis: efficient structural fragility assessment using linear regression. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 1183-1203.	2.3	189
51	Vulnerability of Built Environment to Flooding in African Cities. <i>Future City</i> , 2015, , 77-106.	0.2	5
52	Probabilistic GIS-based method for delineation of urban flooding risk hotspots. <i>Natural Hazards</i> , 2014, 73, 975.	1.6	64
53	Seismic Reliability Assessment, Alternative Methods for. , 2014, , 1-29.		2
54	Flood risk assessment for informal settlements. <i>Natural Hazards</i> , 2013, 69, 1003-1032.	1.6	101

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55	Approximate Method for Transverse Response Analysis of Partially Isolated Bridges. Journal of Bridge Engineering, 2013, 18, 1121-1130.	1.4	12