Roberto Paolucci

List of Publications by Year
in descending order

59	2,165	236925 25	243625 44
papers	citations	h-index	g-index

60	60	60	1566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The older the better? The strange case of empirical ground motion models in the near-source of moderate-to-large magnitude earthquakes. Bulletin of Earthquake Engineering, 2022, 20, 1325-1342.	4.1	1
2	Selection and spectral matching of recorded ground motions for seismic fragility analyses. Bulletin of Earthquake Engineering, 2022, 20, 4961-4987.	4.1	29
3	Earthquake ground motion modeling of induced seismicity in the Groningen gas field. Earthquake Engineering and Structural Dynamics, 2021, 50, 135-154.	4.4	15
4	Physicsâ€based probabilistic seismic hazard and loss assessment in large urban areas: A simplified application to Istanbul. Earthquake Engineering and Structural Dynamics, 2021, 50, 99-115.	4.4	27
5	Checking the site categorization criteria and amplification factors of the 2021 draft of Eurocode 8 Part 1â€“1. Bulletin of Earthquake Engineering, 2021, 19, 4199-4234.	4.1	37
6	BB-SPEEDset: A Validated Dataset of Broadband Near-Source Earthquake Ground Motions from 3D Physics-Based Numerical Simulations. Bulletin of the Seismological Society of America, 2021, 111, 2527-2545.	2.3	26
7	3D Physics-Based Numerical Simulations of Ground Motion in Istanbul from Earthquakes along the Marmara Segment of the North Anatolian Fault. Bulletin of the Seismological Society of America, 2020, 110, 2559-2576.	2.3	29
8	Database of rocking shallow foundation performance: Slow-cyclic and monotonic loading. Earthquake Spectra, 2020, 36, 1585-1606.	3.1	14
9	Three-dimensional physics-based earthquake ground motion simulations for seismic risk assessment in densely populated urban areas. Mathematics in Engineering, 2020, 3, 1-31.	0.9	13
10	Fling Effects from Nearâ€Source Strongâ€Motion Records: Insights from the 2016 MwÂ6.5 Norcia, Central Italy, Earthquake. Seismological Research Letters, 2019, 90, 659-671.	1.9	18
11	Comment on â€œBroadband Groundâ€Motion Simulation of the 2011 MwÂ6.2 Christchurch, New Zealand, Earthquakeâ€• by H. N. T. Razafindrakoto, B. A. Bradley, and R. W. Graves. Bulletin of the Seismological Society of America, 2019, 109, 2138-2138.	2.3	3
12	3D Physics-Based Numerical Simulations: Advantages and Current Limitations of a New Frontier to Earthquake Ground Motion Prediction. The Istanbul Case Study. Geotechnical, Geological and Earthquake Engineering, 2018, , 203-223.	0.2	10
13	Identification of the nonlinear seismic response of buildings by a combined Stockwell Transform and deconvolution interferometry approach. Bulletin of Earthquake Engineering, 2018, 16, 3103-3126.	4.1	11
14	Joint deconvolution of building and downhole seismic recordings: an application to three test cases. Bulletin of Earthquake Engineering, 2018, 16, 613-641.	4.1	11
15	Near-source effects and non-linear site response at Kashiwazaki-Kariwa Nuclear Power Plant, in the 2007 Chuetsu-Oki earthquake: evidence from surface and downhole records and 1D numerical simulations. Bulletin of Earthquake Engineering, 2018, 16, 1105-1135.	4.1	5
16	Empirical evaluation of peak ground velocity and displacement as a function of elastic spectral ordinates for design. Earthquake Engineering and Structural Dynamics, 2018, 47, 245-255.	4.4	11
17	Broadband Ground Motions from 3D Physicsâ€Based Numerical Simulations Using Artificial Neural Networks. Bulletin of the Seismological Society of America, 2018, 108, 1272-1286.	2.3	57
18	Numerical modeling of seismic waves by discontinuous spectral element methods. ESAIM Proceedings and Surveys, 2018, 61, 1-37.	0.4	22

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19	Physics-based seismic input for engineering applications: a case study in the Aterno river valley, Central Italy. Bulletin of Earthquake Engineering, 2017, 15, 2645-2671.	4.1	35
20	Numerical modeling of the interaction of pressurized large diameter gas buried pipelines with normal fault ruptures. Soil Dynamics and Earthquake Engineering, 2017, 101, 105-115.	3.8	16
21	The 3D numerical simulation of near-source ground motion during the Marsica earthquake, central Italy, 100 years later. Soil Dynamics and Earthquake Engineering, 2016, 91, 39-52.	3.8	26
22	Numerical study on basin-edge effects in the seismic response of the Gubbio valley, Central Italy. Bulletin of Earthquake Engineering, 2016, 14, 1437-1459.	4.1	17
23	Evaluation of Probabilistic Siteâ€Specific Seismicâ€Hazard Methods and Associated Uncertainties, with Applications in the Po Plain, Northern Italy. Bulletin of the Seismological Society of America, 2015, 105, 2787-2807.	2.3	35
24	Ground Motion Record Selection Based on Broadband Spectral Compatibility. Earthquake Spectra, 2014, 30, 1427-1448.	3.1	136
25	Direct displacement-based assessment with nonlinear soilâ€“structure interaction for multi-span reinforced concrete bridges. Structure and Infrastructure Engineering, 2014, 10, 1211-1227.	3.7	16
26	The role of non-linear dynamic soil-foundation interaction on the seismic response of structures. Bulletin of Earthquake Engineering, 2014, 12, 1157-1176.	4.1	48
27	Introducing Dynamic Nonlinear Soil-Foundation-Structure Interaction Effects in Displacement-Based Seismic Design. Earthquake Spectra, 2013, 29, 475-496.	3.1	33
28	Modelling basin effects on earthquake ground motion in the Santiago de Chile basin by a spectral element code. Geophysical Journal International, 2011, 187, 929-945.	2.4	36
29	Seismic analysis of deep tunnels in near fault conditions: a case study in Southern Italy. Bulletin of Earthquake Engineering, 2011, 9, 975-995.	4.1	71
30	Identification of accelerometric stations in ITACA with distinctive features in their seismic response. Bulletin of Earthquake Engineering, 2011, 9, 1921-1939.	4.1	12
31	Comparison of 3D, 2D and 1D numerical approaches to predict long period earthquake ground motion in the Gubbio plain, Central Italy. Bulletin of Earthquake Engineering, 2011, 9, 2007-2029.	4.1	54
32	Italian strong motion records in ITACA: overview and record processing. Bulletin of Earthquake Engineering, 2011, 9, 1741-1759.	4.1	52
33	Engineering ground motion record selection in the ITalian ACcelerometric Archive. Bulletin of Earthquake Engineering, 2011, 9, 1761-1778.	4.1	43
34	Overview of the Italian strong motion database ITACA 1.0. Bulletin of Earthquake Engineering, 2011, 9, 1723-1739.	4.1	115
35	Foreword to the special issue on the ITACA strong motion database. Bulletin of Earthquake Engineering, 2011, 9, 1717-1721.	4.1	0
36	Earthquake induced ground strains in the presence of strong lateral soil heterogeneities. Bulletin of Earthquake Engineering, 2010, 8, 1527-1546.	4.1	11

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37	Recorded Motions of the 6 April 2009 M_w6.3 L'Aquila, Italy, Earthquake and Implications for Building Structural Damage: Overview. Earthquake Spectra, 2010, 26, 651-684.	3.1	71
38	Simplified modelling of continous buried pipelines subject to earthquake fault rupture. Earthquake and Structures, 2010, 1, 253-267.	1.0	23
39	Site Effects at Long Periods from Digital Strong Motion Records of the KiK-net, Japan. Journal of Earthquake Engineering, 2009, 13, 567-584.	2.5	5
40	Experimental and Numerical Results on Earthquake-Induced Rotational Ground Motions. Journal of Earthquake Engineering, 2009, 13, 66-82.	2.5	14
41	Seismic behaviour of shallow foundations: Shaking table experiments vs numerical modelling. Earthquake Engineering and Structural Dynamics, 2008, 37, 577-595.	4.4	121
42	On the reliability of long-period response spectral ordinates from digital accelerograms. Earthquake Engineering and Structural Dynamics, 2008, 37, 697-710.	4.4	37
43	Earthquake-induced Transient Ground Strains from Dense Seismic Networks. Earthquake Spectra, 2008, 24, 453-470.	3.1	33
44	Near-fault earthquake ground motion prediction by a high-performance spectral element numerical code. AIP Conference Proceedings, 2008, , .	0.4	0
45	Large-Scale Experiments on Nonlinear Behavior of Shallow Foundations Subjected to Strong Earthquakes. Soils and Foundations, 2008, 48, 673-692.	3.1	66
46	Seismic Risk Assessment of Underground Structures under Transient Ground Deformations. , 2007, , 433-459.		19
47	Earthquake fault ruptureâ€"shallow foundation interaction in undrained soils: a simplified analytical approach. Earthquake Engineering and Structural Dynamics, 2007, 36, 101-118.	4.4	29
48	Ground Motion Induced by Train Passage. Journal of Engineering Mechanics - ASCE, 2006, 132, 201-210.	2.9	15
49	Displacement Spectra for Long Periods. Earthquake Spectra, 2004, 20, 347-376.	3.1	128
50	Comparative Study of the Seismic Hazard Assessments in European National Seismic Codes. Bulletin of Earthquake Engineering, 2004, 2, 51-73.	4.1	22
51	Simplified vibratory characterization of alluvial basins. Comptes Rendus - Geoscience, 2003, 335, 365-370.	1.2	11
52	Amplification of earthquake ground motion by steep topographic irregularities. Earthquake Engineering and Structural Dynamics, 2002, 31, 1831-1853.	4.4	176
53	Title is missing!. Journal of Seismology, 2002, 6, 307-327.	1.3	6
54	Assessment of Seismic Site Effects in 2-D Alluvial Valleys Using Neural Networks. Earthquake Spectra, 2000, 16, 661-680.	3.1	17

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55	Shear Resonance Frequencies of Alluvial Valleys by Rayleigh's Method. Earthquake Spectra, 1999, 15, 503-521.	3.1	46
56	3D Response analysis of an instrumented hill at Matsuzaki, Japan, by a spectral method. Journal of Seismology, 1999, 3, 191-209.	1.3	71
57	Numerical evaluation of the effect of cross-coupling of different components of ground motion in site response analyses. Bulletin of the Seismological Society of America, 1999, 89, 877-887.	2.3	17
58	Seismic Bearing Capacity of Shallow Strip Foundations on Dry Soils. Soils and Foundations, 1997, 37, 95-105.	3.1	105
59	Soil inertia effects on the bearing capacity of rectangular foundations on cohesive soils. Engineering Structures, 1997, 19, 637-643.	5.3	18