

Fabio Romanelli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

828
citations

18
h-index

27
g-index

66
ext. papers

930
ext. citations

3.2
avg, IF

3.88
L-index

#	Paper	IF	Citations
60	Seismic wave propagation in laterally heterogeneous anelastic media: Theory and applications to seismic zonation. <i>Advances in Geophysics</i> , 2001 , 1-95	4.8	106
59	Seismic Hazard Scenarios as Preventive Tools for a Disaster Resilient Society. <i>Advances in Geophysics</i> , 2012 , 53, 93-165	4.8	69
58	The deep structure of the Iranian Plateau. <i>Gondwana Research</i> , 2015 , 28, 407-418	5.1	48
57	Analytical Computation of Reflection and Transmission Coupling Coefficients For Love Waves. <i>Geophysical Journal International</i> , 1996 , 125, 132-138	2.6	37
56	. <i>Advances in Geophysics</i> , 43, 1-95	4.8	36
55	Geophysical constraints on the link between cratonization and orogeny: Evidence from the Tibetan Plateau and the North China Craton. <i>Earth-Science Reviews</i> , 2014 , 130, 1-48	10.2	33
54	Structural model of the lithosphere–sthenosphere system beneath the Qinghai–Tibet Plateau and its adjacent areas. <i>Tectonophysics</i> , 2014 , 634, 208-226	3.1	31
53	Lithosphere density model in Italy: no hint for slab pull. <i>Terra Nova</i> , 2011 , 23, 292-299	3	27
52	Realistic modeling of seismic input for megacities and large urban areas (the UNESCO/IUGS/IGCP project 414). <i>Episodes</i> , 2002 , 25, 160-184	1.6	25
51	Hazard Evaluation in Valparaíso: the MAR VASTO Project. <i>Pure and Applied Geophysics</i> , 2011 , 168, 543-582	2.2	24
50	Long Period Ground Motion at Bedrock Level in Delhi City from Himalayan Earthquake Scenarios. <i>Pure and Applied Geophysics</i> , 2011 , 168, 409-477	2.2	23
49	Synthetic tsunami mareograms for realistic oceanic models. <i>Geophysical Journal International</i> , 2000 , 141, 498-508	2.6	23
48	Recent seismicity and realistic waveforms modeling to reduce the ambiguities about the 1303 seismic activity in Egypt. <i>Tectonophysics</i> , 2000 , 328, 341-357	3.1	22
47	Update and sensitivity analysis of the neo-deterministic seismic hazard assessment for Egypt. <i>Engineering Geology</i> , 2017 , 218, 77-89	6	21
46	Tsunami hazard scenarios in the Adriatic Sea domain. <i>Natural Hazards and Earth System Sciences</i> , 2007 , 7, 309-325	3.9	21
45	A seismological and engineering perspective on the 2016 Central Italy earthquakes. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 395	0.5	18
44	The lithosphere in Italy: structure and seismicity. <i>Journal of the Virtual Explorer</i> , 2010 , 36,		18

43	Buoyancy-driven deformation and contemporary tectonic stress in the lithosphere beneath Central Italy. <i>Terra Nova</i> , 2007 , 19, 490-495	3	18
42	Site response estimation and ground motion spectrum scenario in the Catania area. <i>Journal of Seismology</i> , 1999 , 3, 311-326	1.5	18
41	Analytical computation of coupling coefficients in non-Poissonian media. <i>Geophysical Journal International</i> , 1997 , 129, 205-208	2.6	17
40	Active carbon sequestration in the Alpine mantle wedge and implications for long-term climate trends. <i>Scientific Reports</i> , 2018 , 8, 4740	4.9	15
39	Deep structure of the Alborz Mountains by joint inversion of P receiver functions and dispersion curves. <i>Physics of the Earth and Planetary Interiors</i> , 2018 , 277, 70-80	2.3	14
38	Realistic modelling of waveforms in laterally heterogeneous anelastic media by modal summation. <i>Geophysical Journal International</i> , 2000 , 143, 340-352	2.6	13
37	Broadband NDSHA computations and earthquake ground motion observations for the Italian territory. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 131	0.5	12
36	Seismic risk mitigation at Ischia island (Naples, Southern Italy): An innovative approach to mitigate catastrophic scenarios. <i>Engineering Geology</i> , 2019 , 261, 105285	6	11
35	IGCP Project 414: Realistic Modeling of Seismic Input for Megacities and Large Urban Areas. <i>Episodes</i> , 1999 , 22, 26-32	1.6	11
34	Insight on seismic hazard studies for Egypt. <i>Engineering Geology</i> , 2017 , 220, 99-109	6	10
33	Site-specific ground motion modeling for a historical Cairo site as a step towards computation of seismic input at cultural heritage sites. <i>Engineering Geology</i> , 2020 , 268, 105524	6	10
32	Three-Dimensional Seismic Wave Propagation by Modal Summation: Method and Validation. <i>Pure and Applied Geophysics</i> , 2011 , 168, 201-216	2.2	10
31	Tsunami excitation by inland/coastal earthquakes: the Green function approach. <i>Natural Hazards and Earth System Sciences</i> , 2003 , 3, 353-365	3.9	10
30	Lithospheric structure below seismic stations in Cuba from the joint inversion of Rayleigh surface waves dispersion and receiver functions. <i>Geophysical Journal International</i> , 2012 , 189, 1047-1059	2.6	8
29	Realistic Modeling of Seismic Input in Urban Areas: A UNESCO-IUGS-IGCP Project 2001 , 158, 2389-2406		7
28	Effect of source depth correction on the estimation of earthquake size. <i>Geophysical Research Letters</i> , 1995 , 22, 1017-1019	4.9	7
27	Lateral variation in seismic velocities and rheology beneath the Qinling-Dabie orogen. <i>Science China Earth Sciences</i> , 2017 , 60, 576-588	4.6	6
26	Beno Gutenberg contribution to seismic hazard assessment and recent progress in the European Mediterranean region. <i>Earth-Science Reviews</i> , 2001 , 55, 165-180	10.2	6

25	Neo-deterministic seismic hazard assessment for Alborz Region, Iran. <i>Engineering Geology</i> , 2018 , 242, 70-80	6	6
24	Pn wave velocity and anisotropy underneath the central segment of the North-South Seismic Belt in China. <i>Journal of Asian Earth Sciences</i> , 2019 , 184, 103941	2.8	5
23	Transition from continental collision to tectonic escape? A geophysical perspective on lateral expansion of the northern Tibetan Plateau. <i>Earth, Planets and Space</i> , 2014 , 66,	2.9	5
22	Seismic waves in 3-D: from mantle asymmetries to reliable seismic hazard assessment. <i>Earthquake Science</i> , 2014 , 27, 567-576	1.5	5
21	Stability of fault plane solutions for the major N-Italy seismic events in 2012. <i>Tectonophysics</i> , 2013 , 608, 525-529	3.1	5
20	Seismic hazard maps based on Neo-deterministic Seismic Hazard Assessment for China Seismic Experimental Site and adjacent areas. <i>Engineering Geology</i> , 2021 , 291, 106208	6	4
19	Lateral variation of crust and upper mantle structures in NW Iran derived from surface wave analysis. <i>Journal of Seismology</i> , 2019 , 23, 77-108	1.5	3
18	Recent Achievements of the Neo-Deterministic Seismic Hazard Assessment in the CEI Region. <i>AIP Conference Proceedings</i> , 2008 ,	0	2
17	A seismological and engineering perspective on the 2016 Central Italy earthquakes. <i>International Journal of Earthquake and Impact Engineering</i> , 2016 , 1, 395	0.5	2
16	Physics-Based Ground Motion Simulations for the Prediction of the Seismic Vulnerability of Masonry Building Compounds in Mirandola (Italy). <i>Buildings</i> , 2021 , 11, 667	3.2	2
15	A geophysical perspective on the lithosphere–sthenosphere system from Periadriatic to the Himalayan areas: the contribution of gravimetry. <i>Rendiconti Lincei</i> , 2020 , 31, 59-67	1.7	1
14	Low-Frequency Seismic Ground Motion At The Pier Positions Of The Planned Messina Straits Bridge For A Realistic Earthquake Scenario. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
13	On the estimation of large earthquakes size. <i>Rendiconti Lincei</i> , 1994 , 5, 329-339	1.7	1
12	An explosive component in a December 2020 Milan earthquake suggests outgassing of deeply recycled carbon. <i>Communications Earth & Environment</i> , 2022 , 3,	6.1	1
11	Next-Generation EEW Empowered by NDSHA: From Concept to Implementation. <i>Geosciences (Switzerland)</i> , 2021 , 11, 473	2.7	0
10	A geophysical perspective on the lithosphere–sthenosphere system beneath the Qinghai–Tibet Plateau and adjacent areas. <i>Acta Geologica Sinica</i> , 2019 , 93, 260-260	0.7	
9	Comment on "Analytical Model for Gravity and Rayleigh Wave Investigation in the Layered Ocean-Earth Structure," by T. Novikova, K.-L. Wen, and B.-S. Huang. <i>Bulletin of the Seismological Society of America</i> , 2003 , 93, 960-961	2.3	
8	A view to the intermediate-depth Vrancea earthquake of May 30, 1990 - Case study in NE Bulgaria. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2004 , 39, 223-231		

- 7 APPLICATIONS OF THE MODAL SUMMATION TECHNIQUE TO THE THEORETICAL SITE RESPONSE ESTIMATION. *Journal of Computational Acoustics*, **2001**, 09, 643-653
- 6 Sismologia. Extension of Love wave transformation theory to laterally heterogeneous structures. *Rendiconti Lincei*, **1994**, 5, 5-16 1.7
- 5 Seismic Site Response Characterization for Suez Canal Region, Egypt. *Sustainable Civil Infrastructures*, **2021**, 59-78 0.2
- 4 Regional application of the NDSHA approach for continental seismogenic sources in the Iberian Peninsula **2022**, 491-514
- 3 Spreading NDSHA application from Italy to other areas **2022**, 175-194
- 2 NDSHA applied to China **2022**, 515-524
- 1 Neo-deterministic seismic hazard assessment studies for Bangladesh **2022**, 559-581