

Giuliano Panza

List of Publications by Year in Descending Order

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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.

214
papers

4,772
citations

36
h-index

56
g-index

229
ext. papers

5,171
ext. citations

3
avg. IF

5.46
L-index

#	Paper	IF	Citations
214	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
213	NDSHA in Bulgaria 2022 , 433-454		
212	Regional application of the NDSHA approach for continental seismogenic sources in the Iberian Peninsula 2022 , 491-514		
211	NDSHA achievements in Central and South-eastern Europe 2022 , 373-396		
210	The integration between seismology and geodesy for intermediate-term narrow-range earthquake prediction according to NDSHA 2022 , 97-112		0
209	Next-Generation EEW Empowered by NDSHA: From Concept to Implementation. <i>Geosciences (Switzerland)</i> , 2021 , 11, 473	2.7	0
208	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
207	NDSHA: A Reliable Modern Approach for Alternative Seismic Input Modelling. <i>Lecture Notes in Civil Engineering</i> , 2021 , 85-101	0.3	
206	A Myth of Preferred Days of Strong Earthquakes?. <i>Seismological Research Letters</i> , 2020 , 91, 948-955	3	3
205	A geophysical perspective on the lithosphere-asthenosphere system from Periadriatic to the Himalayan areas: the contribution of gravimetry. <i>Rendiconti Lincei</i> , 2020 , 31, 59-67	1.7	1
204	Lithosphere structural model of the Campania Plain 2020 , 57-78		
203	Space-Time Precursory Features within Ground Velocities and Seismicity in North-Central Italy. <i>Pure and Applied Geophysics</i> , 2020 , 177, 369-386	2.2	8
202	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
201	Seismogenic nodes as a viable alternative to seismogenic zones and observed seismicity for the definition of seismic hazard at regional scale. <i>Vietnam Journal of Earth Sciences</i> , 2019 , 41, 289-304	2.1	19
200	S-wave velocities of the lithosphere-asthenosphere system in the Lesser Antilles from the joint inversion of surface wave dispersion and receiver function analysis. <i>Tectonophysics</i> , 2018 , 734-735, 1-15	3.1	7
199	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
198	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

197	How geodesy can contribute to the understanding and prediction of earthquakes. <i>Rendiconti Lincei</i> , 2018 , 29, 81-93	1.7	9
196	Neo-deterministic seismic hazard assessment for Alborz Region, Iran. <i>Engineering Geology</i> , 2018 , 242, 70-80	6	6
195	Update and sensitivity analysis of the neo-deterministic seismic hazard assessment for Egypt. <i>Engineering Geology</i> , 2017 , 218, 77-89	6	21
194	Insight on seismic hazard studies for Egypt. <i>Engineering Geology</i> , 2017 , 220, 99-109	6	10
193	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
192	Neo-deterministic seismic hazard scenarios for India preventive tool for disaster mitigation. <i>Journal of Seismology</i> , 2017 , 21, 1559-1575	1.5	29
191	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
190	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
189	Uranium Groundwater Monitoring and Seismic Analysis: A Case Study of the Gran Sasso Hydrogeological Basin, Italy. <i>Pure and Applied Geophysics</i> , 2016 , 173, 1079-1095	2.2	4
188	Polarized Plate Tectonics. <i>Advances in Geophysics</i> , 2015 , 1-167	4.8	58
187	The deep structure of the Iranian Plateau. <i>Gondwana Research</i> , 2015 , 28, 407-418	5.1	48
186	Why are the Standard Probabilistic Methods of Estimating Seismic Hazard and Risks Too Often Wrong 2014 , 309-357		35
185	Structural model of the lithosphere–asthenosphere system beneath the Qinghai–Tibet Plateau and its adjacent areas. <i>Tectonophysics</i> , 2014 , 634, 208-226	3.1	31
184	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
183	Seismic waves in 3-D: from mantle asymmetries to reliable seismic hazard assessment. <i>Earthquake Science</i> , 2014 , 27, 567-576	1.5	5
182	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
181	Neo-deterministic seismic hazard assessment in North Africa. <i>Journal of Seismology</i> , 2014 , 18, 301-318	1.5	44
180	Simulation of selected strong motion records of the 2003 MW = 6.6 Bam earthquake (SE Iran), the modal summation-ray tracing methods in the WKBJ approximation. <i>Geophysical Journal International</i> , 2014 , 196, 924-938	2.6	4

179	Shear-Wave Velocity Tomography of the Lithosphere-Asthenosphere System beneath the Iranian Plateau. <i>Bulletin of the Seismological Society of America</i> , 2014 , 104, 2782-2798	2.3	17
178	Analysis of precursory seismicity patterns in Zagros (Iran) by CN algorithm. <i>Turkish Journal of Earth Sciences</i> , 2014 , 23, 91-99	1.5	4
177	Seismic Hazard Assessment: Parametric Studies on Grid Infrastructures. <i>Springer Proceedings in Physics</i> , 2014 , 367-374	0.2	
176	The SISMA prototype system: integrating Geophysical Modeling and Earth Observation for time-dependent seismic hazard assessment. <i>Natural Hazards</i> , 2013 , 69, 1179-1198	3	19
175	Influence of epicentral distance on local seismic response in Kolkata City, India. <i>Journal of Earth System Science</i> , 2013 , 122, 321-338	1.8	10
174	Imaging a relic of complex tectonics: the lithosphere-asthenosphere structure in the Eastern Mediterranean. <i>Terra Nova</i> , 2013 , 25, 102-109	3	14
173	Integrated transnational macroseismic data set for the strongest earthquakes of Vrancea (Romania). <i>Tectonophysics</i> , 2013 , 590, 1-23	3.1	33
172	Stability of fault plane solutions for the major N-Italy seismic events in 2012. <i>Tectonophysics</i> , 2013 , 608, 525-529	3.1	5
171	Seismic structure and rheology of the crust under mainland China. <i>Gondwana Research</i> , 2013 , 23, 1455-1483	4.8	53
170	Caveats on tomographic images. <i>Terra Nova</i> , 2013 , 25, 259-281	3	72
169	Geophysical constraints on mesozoic disruption of North China Craton by underplating-triggered lower-crust flow of the Archaean lithosphere. <i>Terra Nova</i> , 2013 , 25, 245-251	3	6
168	Influence of epicentral distance on local seismic response in Kolkata City, India 2013 , 122, 321		0
167	Geodynamics and intermediate-depth seismicity in Vrancea (the south-eastern Carpathians): Current state-of-the art. <i>Tectonophysics</i> , 2012 , 530-531, 50-79	3.1	99
166	S-Wave Velocities of the Lithosphere-Asthenosphere System in the Caribbean Region. <i>Pure and Applied Geophysics</i> , 2012 , 169, 101-122	2.2	5
165	Improving earthquake hazard assessments in Italy: An alternative to "Texas sharpshooting" <i>Eos</i> , 2012 , 93, 538-538	1.5	26
164	Thermal structure of the shallow upper mantle beneath Italy and neighbouring areas: Correlation with magmatic activity and geodynamic significance. <i>Earth-Science Reviews</i> , 2012 , 114, 369-385	10.2	8
163	Lateral variation of the strength of lithosphere across the eastern North China Craton: New constraints on lithospheric disruption. <i>Gondwana Research</i> , 2012 , 22, 1047-1059	5.1	33
162	Seismic Hazard Scenarios as Preventive Tools for a Disaster Resilient Society. <i>Advances in Geophysics</i> , 2012 , 53, 93-165	4.8	69

161	Source moment tensors of the earthquake swarm in Abu-Dabbab area, south-east Egypt. <i>Rendiconti Lincei</i> , 2012 , 23, 149-163	1.7	11
160	Operational earthquake forecast/prediction. <i>Rendiconti Lincei</i> , 2012 , 23, 131-138	1.7	35
159	Did a change in tectonic regime occur between the Phanerozoic and earlier Epochs?. <i>Rendiconti Lincei</i> , 2012 , 23, 139-148	1.7	4
158	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
157	Lithosphere–asthenosphere viscosity contrast and decoupling. <i>Physics of the Earth and Planetary Interiors</i> , 2011 , 189, 1-8	2.3	41
156	Climatic modulation of seismicity in the Alpine–Himalayan mountain ranges. <i>Terra Nova</i> , 2011 , 23, 19-25	3	10
155	Lithosphere density model in Italy: no hint for slab pull. <i>Terra Nova</i> , 2011 , 23, 292-299	3	27
154	Uranium groundwater anomalies and active normal faulting. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011 , 288, 101-107	1.5	14
153	Hot/Cold Spots in Italian Macroseismic Data. <i>Pure and Applied Geophysics</i> , 2011 , 168, 739-752	2.2	8
152	Modeling of Ground Motion at Napoli for the 1688 Scenario Earthquake. <i>Pure and Applied Geophysics</i> , 2011 , 168, 495-508	2.2	5
151	Some Contributions of the Neo-Deterministic Seismic Hazard Assessment Approach to Earthquake Risk Assessment for the City of Sofia. <i>Pure and Applied Geophysics</i> , 2011 , 168, 521-541	2.2	6
150	Site-Specific Modeling of SH and P-SV Waves for Microzonation Study of Kolkata Metropolitan City, India. <i>Pure and Applied Geophysics</i> , 2011 , 168, 479-493	2.2	21
149	Neo-Deterministic and Probabilistic Seismic Hazard Assessments: a Comparison over the Italian Territory. <i>Pure and Applied Geophysics</i> , 2011 , 168, 69-83	2.2	63
148	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
147	A Multiscale Application of the Unified Scaling Law for Earthquakes in the Central Mediterranean Area and Alpine Region. <i>Pure and Applied Geophysics</i> , 2011 , 168, 297-327	2.2	31
146	Three-Dimensional Seismic Wave Propagation by Modal Summation: Method and Validation. <i>Pure and Applied Geophysics</i> , 2011 , 168, 201-216	2.2	10
145	Neo-Deterministic Seismic Hazard and Pattern Recognition Techniques: Time-Dependent Scenarios for North-Eastern Italy. <i>Pure and Applied Geophysics</i> , 2011 , 168, 583-607	2.2	39
144	Asymmetric ocean basins. <i>Geology</i> , 2010 , 38, 59-62	5	36

143	The lithosphere in Italy: structure and seismicity. <i>Journal of the Virtual Explorer</i> , 2010 , 36,		18
142	Can Earth's rotation and tidal despinning drive plate tectonics?. <i>Tectonophysics</i> , 2010 , 484, 60-73	3.1	68
141	Three-dimensional numerical modeling of contemporary mantle flow and tectonic stress beneath the Central Mediterranean. <i>Tectonophysics</i> , 2010 , 482, 226-236	3.1	21
140	The shear-wave velocity structure of the lithosphere-asthenosphere system in the Iberian area and surroundings. <i>Rendiconti Lincei</i> , 2010 , 21, 183-231	1.7	8
139	Crustal velocity structures beneath North China revealed by ambient noise tomography. <i>Earthquake Science</i> , 2010 , 23, 477-486	1.5	6
138	Seismicity of Eastern Algeria: a revised and extended earthquake catalogue. <i>Natural Hazards</i> , 2010 , 54, 725-747	3	31
137	Shear wave structural models of Venice Plain, Italy, from Time Cross Correlation of seismic noise. <i>Engineering Geology</i> , 2010 , 116, 189-195	6	14
136	DETERMINISTIC SEISMIC GROUND MOTION MODELLING OF THE GREATER ACCRA METROPOLITAN AREA, SOUTHEASTERN GHANA. <i>South African Journal of Geology</i> , 2009 , 112, 317-328	1.6	5
135	Magma intrusion in the upper crust of the Abu Dabbab area, South East of Egypt from Vp and Vp/Vs tomography. <i>Rendiconti Lincei</i> , 2009 , 20, 1-19	1.7	10
134	Earthquakes site effects modeling by hybrid MS-BIEM: the case study of Sofia, Bulgaria. <i>Rendiconti Lincei</i> , 2009 , 20, 91-116	1.7	17
133	Delineation of the geometry of nodes in the Alps-Dinarides hinge zone and recognition of seismogenic nodes (M 6). <i>Terra Nova</i> , 2009 , 21, 257-264	3	15
132	Modeling of SH- and P-SV-wave fields and seismic microzonation based on response spectra for Talchir Basin, India. <i>Engineering Geology</i> , 2009 , 104, 80-97	6	15
131	S-waves profiles from noise cross correlation at small scale. <i>Engineering Geology</i> , 2009 , 105, 161-170	6	26
130	Carbonate metasomatism and CO ₂ lithosphere-asthenosphere degassing beneath the Western Mediterranean: An integrated model arising from petrological and geophysical data. <i>Chemical Geology</i> , 2009 , 262, 108-120	4.2	108
129	Structure and rheology of lithosphere in Italy and surrounding. <i>Terra Nova</i> , 2008 , 20, 194-199	3	40
128	An approach of microzonation of the Sofia city. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2008 , 43, 231-248		1
127	Coupling geophysical modelling and geodesy to unravel the physics of active faults 2008 ,		5
126	Integration and magnitude homogenization of the Egyptian earthquake catalogue. <i>Natural Hazards</i> , 2008 , 47, 525-546	3	22

125	Relationships between magmatism and lithosphere-asthenosphere structure in the Western Mediterranean and implications for geodynamics. <i>Rendiconti Lincei</i> , 2008 , 19, 291-309	1.7	8
124	Neo-deterministic definition of seismic input for residential seismically isolated buildings. <i>Engineering Geology</i> , 2008 , 101, 89-95	6	20
123	Seismicity, seismic input and site effects in the Sahel-Algiers region (North Algeria). <i>Soil Dynamics and Earthquake Engineering</i> , 2007 , 27, 427-447	3.5	26
122	An earthquake scenario for the microzonation of Sofia and the vulnerability of structures designed by use of the Eurocodes. <i>Soil Dynamics and Earthquake Engineering</i> , 2007 , 27, 1028-1041	3.5	10
121	Towards a reliable seismic microzonation in Tehran, Iran. <i>Engineering Geology</i> , 2007 , 93, 1-16	6	20
120	Viscoelastic relaxation and long-lasting after-slip following the 1997 Umbria-Marche (Central Italy) earthquakes. <i>Geophysical Journal International</i> , 2007 , 169, 534-546	2.6	26
119	Size and duration of the high-frequency radiator in the source of the 2004 December 26 Sumatra earthquake. <i>Geophysical Journal International</i> , 2007 , 170, 1119-1128	2.6	7
118	Geophysical and petrological modelling of the structure and composition of the crust and upper mantle in complex geodynamic settings: The Tyrrhenian Sea and surroundings. <i>Earth-Science Reviews</i> , 2007 , 80, 1-46	10.2	127
117	Upper mantle structure in the alpine zone from surface wave tomography. <i>Doklady Earth Sciences</i> , 2007 , 416, 1114-1117	0.6	1
116	Crust and Upper Mantle Structure in the Caribbean Region by Group Velocity Tomography and Regionalization. <i>Pure and Applied Geophysics</i> , 2007 , 164, 1985-2007	2.2	6
115	Simulation of Seismicity in the Block-structure Model of Italy and its Surroundings. <i>Pure and Applied Geophysics</i> , 2007 , 164, 2193-2234	2.2	13
114	Upper mantle flow in the western Mediterranean. <i>Earth and Planetary Science Letters</i> , 2007 , 257, 200-214	3.3	56
113	Correlation Between Local Slip Rate and Local High-frequency Seismic Radiation in an Earthquake Fault. <i>Pure and Applied Geophysics</i> , 2006 , 163, 1305-1325	2.2	6
112	Caveats in Multi-modal Inversion of Seismic Surface Wavefields. <i>Pure and Applied Geophysics</i> , 2006 , 163, 1215-1233	2.2	14
111	The Lithosphere-Asthenosphere System in the Calabrian Arc and Surrounding Seas Southern Italy. <i>Pure and Applied Geophysics</i> , 2006 , 163, 1617-1659	2.2	48
110	Site dependent estimation of the seismic strong motion Case study for Sofia region. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2006 , 41, 395-407		4
109	Comment on Rarely observed short-period (5-10 s) suboceanic Rayleigh waves propagating across the Tyrrhenian Sea by A. Rovelli et al.. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	1
108	Magma reservoir at Mt. Vesuvius: Size of the hot, partially molten, crust material detected deeper than 8 km. <i>Earth and Planetary Science Letters</i> , 2006 , 242, 51-57	5.3	29

107	Surface waves tomography and non-linear inversion in the southeast Carpathians. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 157, 164-180	2.3	21
106	Determination of the seismic moment tensor for local events in the South Shetland Islands and Bransfield Strait. <i>Geophysical Journal International</i> , 2006 , 167, 684-692	2.6	8
105	A scenario-based procedure for seismic risk analysis. <i>Engineering Geology</i> , 2006 , 88, 1-22	6	57
104	Diagnosis of Time of Increased Probability (TIP) for Volcanic Earthquakes at Mt. Vesuvius. <i>Pure and Applied Geophysics</i> , 2006 , 163, 19-39	2.2	2
103	Characterization of the Dynamic Response of Structures to Damaging Pulse-type Near-fault Ground Motions. <i>Meccanica</i> , 2006 , 41, 23-46	2.1	36
102	Average shear wave velocity models of the crustal structure at Mt. Vesuvius. <i>Physics of the Earth and Planetary Interiors</i> , 2005 , 152, 7-21	2.3	11
101	Crustal and upper mantle S-wave velocity structure beneath the Bransfield Strait (West Antarctica) from regional surface wave tomography. <i>Tectonophysics</i> , 2005 , 397, 241-259	3.1	29
100	Constraints on the location and mechanism of the 1511 Western-Slovenia earthquake from active tectonics and modeling of macroseismic data. <i>Tectonophysics</i> , 2005 , 404, 77-90	3.1	42
99	Crustal structure beneath Discovery Bank in the Scotia Sea from group velocity tomography and seismic reflection data. <i>Antarctic Science</i> , 2005 , 17, 97-106	1.7	18
98	Seismic microzoning from synthetic ground motion parameters: case study, Santiago de Cuba. <i>Soil Dynamics and Earthquake Engineering</i> , 2005 , 25, 383-401	3.5	4
97	Full moment tensor retrieval for two earthquake swarms at the Alps-Dinarides junction. <i>Geophysical Journal International</i> , 2005 , 160, 683-694	2.6	1
96	Intermediate-term middle-range earthquake predictions in Italy: a review. <i>Earth-Science Reviews</i> , 2005 , 69, 97-132	10.2	68
95	Tomographic Study of the Adriatic Plate. <i>Pure and Applied Geophysics</i> , 2005 , 162, 311-329	2.2	16
94	Source Parameters of Weak Crustal Earthquakes of the Vrancea Region from Short-period Waveform Inversion. <i>Pure and Applied Geophysics</i> , 2005 , 162, 495-513	2.2	5
93	. <i>Journal of Earthquake Engineering</i> , 2004 , 8, 209	1.8	5
92	Three Decades of Seismic Activity at Mt. Vesuvius: 1972-2000. <i>Pure and Applied Geophysics</i> , 2004 , 161, 123-144	2.2	22
91	Ground Motion Zoning of Santiago de Cuba: An Approach by SH Waves Modelling. <i>Pure and Applied Geophysics</i> , 2004 , 161, 1041-1059	2.2	8
90	Shape of Empirical and Synthetic Iseismals: Comparison for Italian M _L Earthquakes. <i>Pure and Applied Geophysics</i> , 2004 , 161, 1725-1747	2.2	6

89	Seismic microzonation with the use of GIS - Case study for Debrecen, Hungary. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2004 , 39, 177-190		4
88	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		
87	Deterministic modelling for microzonation of Sofia - An expected earthquake scenario. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2004 , 39, 275-295		10
86	Seismic hazard of Romania due to Vrancea earthquakes - How asymmetric is the strong ground motion distribution. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2004 , 39, 309-318		5
85	A deterministic seismic hazard map of India and adjacent areas. <i>Geophysical Journal International</i> , 2003 , 155, 489-508	2.6	143
84	Active tectonics in Central Italy: constraints from surface wave tomography and source moment tensor inversion. <i>Physics of the Earth and Planetary Interiors</i> , 2003 , 138, 241-262	2.3	27
83	The lithosphere-asthenosphere: Italy and surroundings. <i>Episodes</i> , 2003 , 26, 169-174	1.6	56
82	Source scaling of intermediate-depth Vrancea earthquakes. <i>Geophysical Journal International</i> , 2002 , 151, 879-889	2.6	37
81	Amplification of strong ground motion in the city of Zagreb, Croatia, estimated by computation of synthetic seismograms. <i>Soil Dynamics and Earthquake Engineering</i> , 2002 , 22, 105-113	3.5	14
80	Seismic zonation in Albania using a deterministic approach. <i>Tectonophysics</i> , 2002 , 344, 277-288	3.1	23
79	Rayleigh wave group velocity tomography in the Aegean area. <i>Tectonophysics</i> , 2002 , 358, 187-209	3.1	33
78	Stability of intermediate-term earthquake predictions with respect to random errors in magnitude: the case of central Italy. <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 130, 117-127	2.3	9
77	Group velocity tomography and regionalization in Italy and bordering areas. <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 134, 1-15	2.3	22
76	Surface wave tomography and seismic source studies at Campi Flegrei (Italy). <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 134, 157-173	2.3	14
75	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
74	Preliminary determination of the interdependence among strong-motion amplitude, earthquake magnitude and hypocentral distance for the Himalayan region. <i>Geophysical Journal International</i> , 2001 , 144, 577-596	2.6	27
73	Deterministic seismic hazard in Egypt. <i>Geophysical Journal International</i> , 2001 , 144, 555-567	2.6	37
72	Non-double-couple mechanisms in the seismicity preceding the 1991-1993 Etna volcano eruption. <i>Geophysical Journal International</i> , 2001 , 145, 319-335	2.6	28

71	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
70	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
69	Theoretical and Observed Depth Correction for Ms 2001 , 1517-1530		
68	Synthetic tsunami mareograms for realistic oceanic models. <i>Geophysical Journal International</i> , 2000 , 141, 498-508	2.6	23
67	CN algorithm and long-lasting changes in reported magnitudes: the case of Italy. <i>Geophysical Journal International</i> , 2000 , 141, 425-437	2.6	16
66	Crustal versus asthenospheric relaxation and post-seismic deformation for shallow normal faulting earthquakes: the Umbria-Marche (central Italy) case. <i>Geophysical Journal International</i> , 2000 , 141, F7-F11	2.6	13
65	Realistic modelling of waveforms in laterally heterogeneous anelastic media by modal summation. <i>Geophysical Journal International</i> , 2000 , 143, 340-352	2.6	13
64	Monitoring volcanic and geothermal areas by full seismic moment tensor inversion: are non-double-couple components always artefacts of modelling?. <i>Geophysical Journal International</i> , 2000 , 143, 353-364	2.6	46
63	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
62	Amplitude and phase differentiation of synthetic seismograms: a must for waveform inversion at regional scale. <i>Geophysical Journal International</i> , 1999 , 136, 83-98	2.6	15
61	Robust retrieval of a seismic point-source time function. <i>Geophysical Journal International</i> , 1999 , 136, 385-394	2.6	27
60	Seismotectonic Model and CN Earthquake Prediction in Italy. <i>Pure and Applied Geophysics</i> , 1999 , 154, 281-306	2.2	20
59	Deterministic Seismic Hazard Assessment. <i>Advances in Natural and Technological Hazards Research</i> , 1999 , 269-286	1.8	25
58	Intermediate-term Predictions of Earthquakes in Italy: Algorithm M8. <i>Pure and Applied Geophysics</i> , 1998 , 152, 37-55	2.2	15
57	The Main Features of the Local Geological Conditions Can Explain the Macroseismic Intensity Caused in Xiji-Langfu (Beijing) by the Ms = 7.7 Tangshan 1976 Earthquake. <i>Pure and Applied Geophysics</i> , 1998 , 152, 507-521	2.2	15
56	P-SV multimode summation differential seismograms for layered structures. <i>Geophysical Journal International</i> , 1998 , 134, 747-756	2.6	5
55	Seismotectonic models and CN algorithm: The case of Italy. <i>Pure and Applied Geophysics</i> , 1996 , 147, 119-130		6
54	Stability of premonitory seismicity pattern and intermediate-term earthquake prediction in Central Italy. <i>Pure and Applied Geophysics</i> , 1995 , 145, 259-275	2.2	12

53	Prediction of strong earthquakes in Vrancea, Romania, using the CN algorithm. <i>Pure and Applied Geophysics</i> , 1995 , 145, 277-296	2.2	4
52	Effect of source depth correction on the estimation of earthquake size. <i>Geophysical Research Letters</i> , 1995 , 22, 1017-1019	4.9	7
51	Sismologia. Extension of Love wave transformation theory to laterally heterogeneous structures. <i>Rendiconti Lincei</i> , 1994 , 5, 5-16	1.7	
50	On the estimation of large earthquakes size. <i>Rendiconti Lincei</i> , 1994 , 5, 329-339	1.7	1
49	A New Method for the Realistic Estimation of Seismic Ground Motion in Megacities: The Case of Rome. <i>Earthquake Spectra</i> , 1993 , 9, 643-668	3.4	69
48	Point source moment tensor retrieval in volcanic, geothermal and orogenic areas by complete waveform inversion. <i>Journal of Applied Geophysics</i> , 1993 , 30, 89-118	1.7	2
47	Variability of seismic ground motion in complex media: the case of a sedimentary basin in the Friuli (Italy) area. <i>Journal of Applied Geophysics</i> , 1993 , 30, 131-148	1.7	29
46	Zoning of the Italian territory in terms of expected peak ground acceleration derived from complete synthetic seismograms. <i>Journal of Applied Geophysics</i> , 1993 , 30, 149-160	1.7	52
45	Prediction of the occurrence of Related Strong Earthquakes in Italy. <i>Pure and Applied Geophysics</i> , 1993 , 141, 25-41	2.2	10
44	estimation in southwestern Europe from P-wave and surface-wave tomography analysis. <i>Physics of the Earth and Planetary Interiors</i> , 1993 , 78, 229-237	2.3	9
43	Seismic heterogeneities in the Indian lithosphere. <i>Physics of the Earth and Planetary Interiors</i> , 1992 , 73, 189-198	2.3	14
42	Un metodo generale per la zonazione sismica immediata ed accurata di grandi metropoli: applicazione alla citt� di Roma. <i>Rendiconti Lincei</i> , 1992 , 3, 195-217	1.7	2
41	High frequency seismic sources characterize the areas of tectonic shortening in the Italian region. <i>Rendiconti Lincei</i> , 1991 , 2, 107-116	1.7	2
40	Inversion of seismograms to determine simultaneously the moment tensor components and source time function for a point source buried in a horizontally layered medium. <i>Studia Geophysica Et Geodaetica</i> , 1991 , 35, 166-183	0.7	18
39	Complete synthetic seismograms for high-frequency multimode SH-waves. <i>Pure and Applied Geophysics</i> , 1991 , 136, 529-560	2.2	111
38	Source geometry of historical events retrieved by synthetic isoseismals. <i>Tectonophysics</i> , 1991 , 193, 173-184	3.4	19
37	Upper mantle properties of the Tuscan-Tyrrhenian area: A framework for its recent tectonic evolution. <i>Tectonophysics</i> , 1991 , 195, 311-318	3.1	51
36	Is there a correlation between lithosphere structure and the statistical properties of seismicity?. <i>Terra Nova</i> , 1990 , 2, 585-595	3	5

35	Aeromagnetic map of Italy reduced to the same elevation and to the Pole. <i>Rendiconti Lincei</i> , 1990 , 1, 245-252	1.7	2
34	Structural heterogeneity and anisotropy based on 2-D phase velocity patterns of Rayleigh waves in Western Europe. <i>Rendiconti Lincei</i> , 1990 , 1, 127-135	1.7	8
33	On intermediate-term earthquake prediction in central Italy. <i>Pure and Applied Geophysics</i> , 1990 , 134, 79-92	2.2	20
32	Lithosphere structure and statistical properties of seismicity in Italy and surrounding regions. <i>Journal of Geodynamics</i> , 1990 , 12, 189-215	2.2	5
31	Physical properties of the lithosphere-asthenosphere system in Europe. <i>Tectonophysics</i> , 1990 , 176, 123-135	3.1	42
30	Properties of the lithosphere in collisional belts in the Mediterranean- review. <i>Tectonophysics</i> , 1990 , 182, 39-46	3.1	40
29	Crustal and upper mantle structure of the Mediterranean area derived from surface-wave data. <i>Physics of the Earth and Planetary Interiors</i> , 1990 , 60, 163-168	2.3	25
28	Gutenberg's surface-wave magnitude calibrating function: Theoretical basis from synthetic seismograms. <i>Tectonophysics</i> , 1989 , 166, 35-43	3.1	24
27	Developments toward computations of synthetic seismograms in laterally inhomogeneous anelastic media. <i>Physics of the Earth and Planetary Interiors</i> , 1988 , 51, 55-58	2.3	3
26	The European-African collision and its effects on the lithosphere-asthenosphere system. <i>Tectonophysics</i> , 1988 , 146, 59-66	3.1	21
25	Properties of the lithosphere-asthenosphere system in Europe with a view toward earth conductivity. <i>Pure and Applied Geophysics</i> , 1987 , 125, 241-254	2.2	18
24	Deep structure of southeastern Europe from Rayleigh waves. <i>Tectonophysics</i> , 1984 , 110, 189-200	3.1	8
23	Lateral variations in the European lithosphere and seismic activity. <i>Physics of the Earth and Planetary Interiors</i> , 1983 , 33, 194-197	2.3	16
22	The lithosphere in the central-eastern Mediterranean area. <i>Pure and Applied Geophysics</i> , 1982 , 120, 389-406		77
21	Influence of focal mechanism on shape of isoseismals: Irpinia earthquake of November 23, 1980. <i>Pure and Applied Geophysics</i> , 1982 , 120, 577-582	2.2	10
20	Delineation of the North Central Italian upper mantle anomaly. <i>Nature</i> , 1982 , 296, 238-239	50.4	29
19	The Resolving Power of Seismic Surface Waves with Respect to Crust and Upper Mantle Structural Models 1981 , 39-77		32
18	Upper mantle structure of the Apulian plate from Rayleigh waves. <i>Pure and Applied Geophysics</i> , 1980 , 118, 823-830	2.2	8

17	The gross features of the lithosphere-asthenosphere system in Europe from seismic surface waves and body waves. <i>Pure and Applied Geophysics</i> , 1980 , 118, 1209-1213	2.2	214
16	The upper mantle structure in Balearic and Tyrrhenian bathyal plains and the Messinian salinity crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1979 , 29, 3-14	2.9	26
15	Upper-mantle structure of north-central Italy from the dispersion of Rayleigh waves. <i>Tectonophysics</i> , 1979 , 56, 51-63	3.1	13
14	Higher mode dispersion measurement. <i>Pure and Applied Geophysics</i> , 1978 , 116, 1274-1283	2.2	3
13	An averaged model for the Adriatic subplate. <i>Pure and Applied Geophysics</i> , 1978 , 116, 1284-1298	2.2	12
12	Contribution to phase velocity investigations of Rayleigh-waves in middle Europe. <i>Pure and Applied Geophysics</i> , 1978 , 116, 1299-1306	2.2	3
11	Crust and upper mantle structure under the Baltic shield and Barents sea from the dispersion of Rayleigh waves. <i>Tectonophysics</i> , 1978 , 47, 59-71	3.1	29
10	Phase velocity determination of fundamental Love and Rayleigh waves. <i>Pure and Applied Geophysics</i> , 1976 , 114, 753-763	2.2	19
9	Array analysis of seismic surface waves: Limits and possibilities. <i>Pure and Applied Geophysics</i> , 1976 , 114, 775-790	2.2	76
8	Comparison of the multimode surface wave response in structures with and without a low velocity channel (part III: Strike-slip sources). <i>Pure and Applied Geophysics</i> , 1975 , 113, 661-671	2.2	5
7	Crustal structure along the coast of California from Rayleigh waves. <i>Physics of the Earth and Planetary Interiors</i> , 1974 , 9, 137-140	2.3	2
6	Focal-mechanism determination from multimode Rayleigh wave response. <i>Physics of the Earth and Planetary Interiors</i> , 1974 , 8, 345-351	2.3	2
5	Comparison of the multimode surface wave response in structures with and without a low velocity channel (part I: Dip-slip sources on a vertical fault plane). <i>Pure and Applied Geophysics</i> , 1974 , 112, 583-596	2.2	8
4	Comparison of the multimode surface wave response in structures with and without a low-velocity channel (Part II: dip-slip sources). <i>Pure and Applied Geophysics</i> , 1974 , 112, 1031-1043	2.2	5
3	New evidences about the deep structure of the Lipari arc. <i>Tectonophysics</i> , 1972 , 15, 219-231	3.1	77
2	Neo-deterministic seismic hazard assessment of Corsica-Sardinia block. <i>Rendiconti Lincei</i> , 1	1.7	1
1	. <i>Advances in Geophysics</i> , 43, 1-95	4.8	36