

# Gianluca R Valensise

## List of Publications by Year in descending order

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73  
papers

3,492  
citations

186265  
28  
h-index

149698  
56  
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77  
all docs

77  
docs citations

77  
times ranked

2617  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2013 European Seismic Hazard Model: key components and results. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 3553-3596.	4.1	407
2	The Database of Individual Seismogenic Sources (DISS), version 3: Summarizing 20 years of research on Italy's earthquake geology. <i>Tectonophysics</i> , 2008, 453, 20-43.	2.2	332
3	A seismic source zone model for the seismic hazard assessment of the Italian territory. <i>Tectonophysics</i> , 2008, 450, 85-108.	2.2	232
4	Faulting mechanism and complexity of the November 23, 1980, Campania-Lucania Earthquake, inferred from surface observations. <i>Journal of Geophysical Research</i> , 1990, 95, 15319-15341.	3.3	209
5	Paleoseismology along the 1980 surface rupture of the Irpinia Fault: Implications for earthquake recurrence in the southern Apennines, Italy. <i>Journal of Geophysical Research</i> , 1993, 98, 6561-6577.	3.3	183
6	A 125 kyr long geological record of seismic source repeatability: the Messina Straits (southern Italy) and the 1908 earthquake ( $M_s > 7.1$ ). <i>Terra Nova</i> , 1992, 4, 472-483.	2.1	162
7	The investigation of potential earthquake sources in peninsular Italy: A review. , 2001, 5, 287-306.		122
8	Earthquake-generated tsunamis in the Mediterranean Sea: Scenarios of potential threats to Southern Italy. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	105
9	Fault parameters and slip distribution of the 1915 Avezano, Italy, earthquake derived from geodetic observations. <i>Bulletin of the Seismological Society of America</i> , 1989, 79, 690-710.	2.3	96
10	CFT15Med, the new release of the catalogue of strong earthquakes in Italy and in the Mediterranean area. <i>Scientific Data</i> , 2019, 6, 80.	5.3	90
11	The Seismotectonics of the Po Plain (Northern Italy): Tectonic Diversity in a Blind Faulting Domain. <i>Pure and Applied Geophysics</i> , 2015, 172, 1105-1142.	1.9	83
12	New geomorphic evidence for anticlinal growth driven by blind-thrust faulting along the northern Marche coastal belt (central Italy). <i>Journal of Seismology</i> , 2004, 8, 297-312.	1.3	82
13	The 28 December 1908 Messina Straits Earthquake (MW 7.1): A Great Earthquake throughout a Century of Seismology. <i>Seismological Research Letters</i> , 2009, 80, 243-259.	1.9	80
14	Seismology and Tectonic Setting of the 2002 Molise, Italy, Earthquake. <i>Earthquake Spectra</i> , 2004, 20, 23-37.	3.1	73
15	Deformation of the 125 ka marine terrace in Italy: tectonic implications. <i>Geological Society Special Publication</i> , 1999, 146, 71-110.	1.3	68
16	Unveiling the Sources of the Catastrophic 1456 Multiple Earthquake: Hints to an Unexplored Tectonic Mechanism in Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, 725-748.	2.3	65
17	The Palos Verdes terraces, California: Bathtub rings from a buried reverse fault. <i>Journal of Geophysical Research</i> , 1994, 99, 4485-4494.	3.3	60
18	Seismogenic sources in the Adriatic Domain. <i>Marine and Petroleum Geology</i> , 2013, 42, 191-213.	3.3	58

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19	Seismotectonics of the southern Apennines and Adriatic foreland: Insights on active regional E-W shear zones from analogue modeling. <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	54
20	Tectonic evidence for the ongoing Africa-Eurasia convergence in central Mediterranean foreland areas: A journey among long-lived shear zones, large earthquakes, and elusive fault motions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	49
21	Middle Pleistocene to Holocene activity of the Gondola Fault Zone (Southern Adriatic Foreland): Deformation of a regional shear zone and seismotectonic implications. <i>Tectonophysics</i> , 2008, 453, 110-121.	2.2	40
22	The effects of pre-existing discontinuities on the surface expression of normal faults: Insights from wet-clay analog modeling. <i>Tectonophysics</i> , 2016, 684, 157-175.	2.2	40
23	Geochemical signatures of large active faults: The example of the 5 February 1783, Calabrian earthquake (southern Italy). <i>Journal of Seismology</i> , 2004, 8, 363-380.	1.3	39
24	Rise and Fall of a Hypothesized Seismic Gap: Source Complexity in the Mw 7.0 16 December 1857 Southern Italy Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 139-148.	2.3	39
25	The forgotten vulnerability: A geology- and history-based approach for ranking the seismic risk of earthquake-prone communities of the Italian Apennines. <i>International Journal of Disaster Risk Reduction</i> , 2017, 25, 289-300.	3.9	38
26	An inventory of river anomalies in the Po Plain, Northern Italy: evidence for active blind thrust faulting. <i>Annals of Geophysics</i> , 2009, 46, .	1.0	36
27	The role of pre-existing discontinuities in the development of extensional faults: An analog modeling perspective. <i>Journal of Structural Geology</i> , 2015, 74, 145-158.	2.3	34
28	Testing Different Tectonic Models for the Source of the M <sub>w</sub> 6.5, 30 October 2016, Norcia Earthquake (Central Italy): A Youthful Normal Fault, or Negative Inversion of an Old Thrust?. <i>Tectonics</i> , 2019, 38, 990-1017.	2.8	33
29	Scenarios of Earthquake-Generated Tsunamis for the Italian Coast of the Adriatic Sea. <i>Pure and Applied Geophysics</i> , 2008, 165, 2117-2142.	1.9	30
30	Is blind faulting truly invisible? Tectonic-controlled drainage evolution in the epicentral area of the May 2012, Emilia-Romagna earthquake sequence (northern Italy). <i>Annals of Geophysics</i> , 2012, 55, .	1.0	29
31	Reconciling deep seismogenic and shallow active faults through analogue modelling: the case of the Messina Straits (southern Italy). <i>Journal of the Geological Society</i> , 2011, 168, 191-199.	2.1	26
32	Testing a new hybrid approach to seismic hazard assessment: an application to the Calabrian Arc (Southern Italy). <i>Natural Hazards</i> , 1997, 14, 113-126.	3.4	25
33	Plio-Quaternary tectonic evolution of the Northern Apennines thrust fronts(Bologna-Ferrara) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	2.0	25
34	Progressive growth of San Clemente Island, California, by blind thrust faulting: implications for fault slip partitioning in the California Continental Borderland. <i>Geophysical Journal International</i> , 1996, 126, 712-734.	2.4	23
35	Marine palaeoseismology from very high resolution seismic imaging: the Gondola Fault Zone (Adriatic) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf</i>	2.1	22
36	On the complexity of surface ruptures during normal faulting earthquakes: excerpts from the 6 April 2009 L'Aquila (central Italy) earthquake (&lt;i>&lt;sub>w</sub>&lt;/i> 6.3). <i>Solid Earth</i> , 2014, 5, 389-408.	2.8	21

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37	On the complexity of earthquake sequences: a historical seismology perspective based on the L'Aquila seismicity (Abruzzo, Central Italy), 1315-1915. <i>Earthquake and Structures</i> , 2015, 8, 153-184.	1.0	21
38	A "Geodetic Gap" in the Calabrian Arc: Evidence for a Locked Subduction Megathrust?. <i>Geophysical Research Letters</i> , 2018, 45, 1794-1804.	4.0	20
39	Geodetic and seismologic evidence for slip variability along a blind normal fault in the Umbria-Marche 1997-1998 earthquakes (central Italy). <i>Geophysical Journal International</i> , 2003, 155, 819-829.	2.4	19
40	Recasting Historical Earthquakes in Coastal Areas (Gargano Promontory, Italy): Insights from Marine Paleoseismology. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1-17.	2.3	19
41	Partitioning the Ongoing Extension of the Central Apennines (Italy): Fault Slip Rates and Bulk Deformation Rates From Geodetic and Stress Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018956.	3.4	19
42	Coseismic deformation pattern of the Emilia 2012 seismic sequence imaged by Radarsat-1 interferometry. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	19
43	Understanding seismogenic processes in the Southern Calabrian Arc: a geodynamic perspective. <i>Italian Journal of Geosciences</i> , 2017, 136, 365-388.	0.8	18
44	Modes of fault reactivation from analogue modeling experiments: Implications for the seismotectonics of the Southern Adriatic foreland (Italy). <i>Quaternary International</i> , 2007, 171-172, 2-13.	1.5	17
45	The Seismotectonic Significance of Geofluids in Italy. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	16
46	The Messina Strait Bridge. , 0, , .		16
47	Inferring the depth of pre-instrumental earthquakes from macroseismic intensity data: A case-history from Northern Italy. <i>Scientific Reports</i> , 2019, 9, 15583.	3.3	15
48	A fresh look at the seismotectonics of the Abruzzi (Central Apennines) following the 6 April 2009 L'Aquila earthquake (Mw 6.3). <i>Italian Journal of Geosciences</i> , 2012, , 309-329.	0.8	15
49	Aims and methods in territorial archaeology: possible clues to a strong fourth-century AD earthquake in the Straits of Messina (southern Italy). <i>Geological Society Special Publication</i> , 2000, 171, 45-70.	1.3	14
50	Seismogenic faulting, moment release patterns and seismic hazard along the central and southern Apennines and the Calabrian arc. , 2001, , 495-512.		13
51	Earthquakes in Italy: past, present and future. <i>Episodes</i> , 2003, 26, 245-249.	1.2	13
52	Pre-seismic slip on the 26 September 1997, Umbria-Marche Earthquake fault? Unexpected clues from the analysis of 1951-1992 elevation changes. <i>Geophysical Research Letters</i> , 1999, 26, 1953-1956.	4.0	12
53	Imaging the tectonic framework of the 24 August 2016, Amatrice (central Italy) earthquake sequence: new roles for old players?. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	11
54	Earthquakes and depleted gas reservoirs: which comes first?. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2201-2208.	3.6	10

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55	Investigating seismogenic faults in Central and Southern Apennines (Italy): modeling of fault-related landscape features. <i>Annals of Geophysics</i> , 1996, 39, .	1.0	10
56	Santa Cruz mountains (Loma Prieta) earthquake. <i>Eos</i> , 1989, 70, 1463.	0.1	9
57	A quantitative approach to the loading rate of seismogenic sources in Italy. <i>Geophysical Journal International</i> , 2018, 213, 2096-2111.	2.4	9
58	Do Strike-Slip Faults of Molise, Central-Southern Italy, Really Release a High Stress?. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 307-324.	2.3	8
59	Assessing the seismic coupling of shallow continental faults and its impact on seismic hazard estimates: a case-study from Italy. <i>Geophysical Journal International</i> , 0, , ggx002.	2.4	8
60	Paradoxes of Italian seismicity. <i>Eos</i> , 1990, 71, 1787-1788.	0.1	7
61	Reply to comment on "Insights from the Mw 6.3 2009 L'Aquila earthquake (Central Apennines) unveiling new seismogenic sources through their surface signatures: the adjacent San Pio Fault". <i>Terra Nova</i> , 2011, 23, 421-423.	2.1	7
62	Insights from the Mw 6.3, 2009 L'Aquila earthquake (Central Apennines) unveiling new seismogenic sources through their surface signatures: the adjacent San Pio Fault. <i>Terra Nova</i> , 2011, 23, 108-115.	2.1	6
63	From Historical Seismology to seismogenic source models, 20 years on: Excerpts from the Italian experience. <i>Tectonophysics</i> , 2020, 774, 228189.	2.2	6
64	Fossil landscapes and youthful seismogenic sources in the central Apennines: excerpts from the 24 August 2016, Amatrice earthquake and seismic hazard implications. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	5
65	Gas fields and large shallow seismogenic reverse faults are anticorrelated. <i>Scientific Reports</i> , 2022, 12, 1827.	3.3	5
66	Reply to "Comment on 'The 28 December 1908 Messina Straits Earthquake (Mw 7.1): A Great Earthquake throughout a Century of Seismology,' by N. A. Pino, A. Piatanesi, G. Valensise, and E. Boschi" by A. Amoruso, L. Crescentini, and R. Scarpa. <i>Seismological Research Letters</i> , 2010, 81, 229-231.	1.9	4
67	High-frequency maximum observable shaking map of Italy from fault sources. <i>Bulletin of Earthquake Engineering</i> , 2012, 10, 1075-1107.	4.1	4
68	Comment on "The Curious Case of the 1346 Earthquake Recorded Only by Very Young Chroniclers" by Romano Camassi and Viviana Castelli. <i>Seismological Research Letters</i> , 2015, 86, 1185-1191.	1.9	2
69	Appendix to volume 44 suppl. 4, 2001 from I to IV. <i>Annals of Geophysics</i> , 2009, 44, .	1.0	2
70	What Is an Exceptional Earthquake?. <i>Seismological Research Letters</i> , 0, , .	1.9	1
71	WORKSHOP ON PALAEOSEISMOLOGY, 18-22 SEPTEMBER 1994, MARSHALL, CA, USA. <i>Terra Nova</i> , 1995, 7, 111-111.	2.1	0
72	Impact of Uncertainty on Loss Estimates for a Repeat of the 1908 Messina-Reggio Calabria Earthquake in Southern Italy. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0

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73	Scenarios of Earthquake-Generated Tsunamis for the Italian Coast of the Adriatic Sea. , 2008, , 2117-2142.		0