

Alessandro Amato

List of Publications by Year in descending order

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72
papers

3,795
citations

147801

31
h-index

128289

60
g-index

83
all docs

83
docs citations

83
times ranked

2587
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon dioxide Earth degassing and seismogenesis in central and southern Italy. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	352
2	The 2009 L'Aquila (central Italy) M_w 6.3 earthquake: Main shock and aftershocks. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	291
3	The 1997 Umbria-Marche, Italy, Earthquake Sequence: A first look at the main shocks and aftershocks. <i>Geophysical Research Letters</i> , 1998, 25, 2861-2864.	4.0	280
4	An improved stress map for Italy and surrounding regions (central Mediterranean). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	212
5	Contemporaneous extension and compression in the Northern Apennines from earthquake fault-plane solutions. <i>Geophysical Journal International</i> , 1997, 129, 368-388.	2.4	209
6	Subcrustal earthquakes in the northern Apennines (Italy): Evidence for a still active subduction?. <i>Geophysical Research Letters</i> , 1992, 19, 2127-2130.	4.0	161
7	Active stress map of Italy. <i>Journal of Geophysical Research</i> , 1999, 104, 25595-25610.	3.3	150
8	Recent seismicity and tomographic modeling of the Mount Etna plumbing system. <i>Journal of Geophysical Research</i> , 2000, 105, 10923-10938.	3.3	137
9	Shallow subduction beneath Italy: Three-dimensional images of the Adriatic-European-Tyrrhenian lithosphere system based on high-quality P wave arrival times. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	124
10	Moho depth and V_p/V_s ratio in peninsular Italy from teleseismic receiver functions. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	110
11	Present-day stress field and active tectonics in southern peninsular Italy. <i>Geophysical Journal International</i> , 1997, 130, 519-534.	2.4	98
12	Crustal and uppermost mantle structure in Italy from the inversion of P-wave arrival times: geodynamic implications. <i>Geophysical Journal International</i> , 1999, 139, 483-498.	2.4	94
13	State of stress in the Southern Tyrrhenian subduction zone from fault-plane solutions. <i>Geophysical Journal International</i> , 1996, 125, 879-891.	2.4	92
14	Spatial variation in stresses in peninsular Italy and Sicily from background seismicity. <i>Tectonophysics</i> , 2000, 317, 109-124.	2.2	92
15	Recent tectonic evolution and present stress in the Northern Apennines (Italy). <i>Tectonics</i> , 1999, 18, 108-118.	2.8	86
16	Complex Normal Faulting in the Apennines Thrust-and-Fold Belt: The 1997 Seismic Sequence in Central Italy. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 99-116.	2.3	84
17	The 1989-1990 seismic swarm in the Alban Hills volcanic area, central Italy. <i>Journal of Volcanology and Geothermal Research</i> , 1994, 61, 225-237.	2.1	62
18	Seismic anisotropy beneath the Northern Apennines (Italy) and its tectonic implications. <i>Geophysical Research Letters</i> , 1996, 23, 2721-2724.	4.0	61

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19	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. <i>Journal of Seismology</i> , 2000, 4, 377-386.	1.3	51
20	Crustal structure in the Southern Apennines from teleseismic receiver functions. <i>Geology</i> , 2008, 36, 155.	4.4	51
21	Seismicity in Central and Northern Apennines integrating the Italian national and regional networks. <i>Tectonophysics</i> , 2009, 476, 121-135.	2.2	50
22	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). <i>Frontiers in Earth Science</i> , 2021, 8, .	1.8	50
23	Crustal structure, evolution, and volcanic unrest of the Alban Hills, Central Italy. <i>Bulletin of Volcanology</i> , 1997, 59, 161-170.	3.0	49
24	Collecting, digitizing, and distributing historical seismological data. <i>Eos</i> , 2005, 86, 261.	0.1	39
25	Recent uplift of the Alban Hills Volcano (Italy): Evidence for magmatic inflation?. <i>Geophysical Research Letters</i> , 1995, 22, 1985-1988.	4.0	38
26	State of stress in southern Italy from borehole breakout and focal mechanism data. <i>Geophysical Research Letters</i> , 1995, 22, 3119-3122.	4.0	37
27	Fluid migration in continental subduction: The Northern Apennines case study. <i>Earth and Planetary Science Letters</i> , 2011, 302, 267-278.	4.4	37
28	Deep structure and tectonics of the northern-central Apennines as seen by regional-scale tomography and 3D located earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5391-5403.	3.4	37
29	Evidence of active extension in Quaternary volcanoes of central Italy from breakout analysis and seismicity. <i>Geophysical Research Letters</i> , 1995, 22, 1909-1912.	4.0	36
30	Upper-crustal structure of the Benevento area (southern Italy): fault heterogeneities and potential for large earthquakes. <i>Geophysical Journal International</i> , 1997, 130, 229-239.	2.4	36
31	The Italian National Seismic Network and the earthquake and tsunami monitoring and surveillance systems. <i>Advances in Geosciences</i> , 0, 43, 31-38.	12.0	35
32	Upper crustal tomographic images of the Amiata-Vulsini geothermal region, central Italy. <i>Journal of Geophysical Research</i> , 1995, 100, 4053-4066.	3.3	34
33	Passive Seismology and Deep Structure in Central Italy. <i>Pure and Applied Geophysics</i> , 1998, 151, 479-493.	1.9	31
34	Tomographic images of the El Asnam fault zone and the evolution of a seismogenic thrust-related fold. <i>Journal of Geophysical Research</i> , 1997, 102, 24485-24498.	3.3	27
35	Tsunami risk perception in southern Italy: first evidence from a sample survey. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 2887-2904.	3.6	27
36	The Alto Tiberina Near Fault Observatory (northern Apennines, Italy). <i>Annals of Geophysics</i> , 2014, 57, .	1.0	24

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37	Apulian crust: Top to bottom. <i>Journal of Geodynamics</i> , 2014, 82, 125-137.	1.6	23
38	Seismic Surveillance and Earthquake Monitoring in Italy. <i>Seismological Research Letters</i> , 2021, 92, 1659-1671.	1.9	23
39	SKS splitting in Southern Italy: Anisotropy variations in a fragmented subduction zone. <i>Tectonophysics</i> , 2008, 462, 49-67.	2.2	22
40	Three-dimensional P-velocity structure in the region of the MS = 6.9 Irpinia, Italy, normal faulting earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 1992, 75, 111-119.	1.9	21
41	Anisotropic seismic structure of the lithosphere beneath the Adriatic coast of Italy constrained with mode-converted body waves. <i>Geophysical Research Letters</i> , 2002, 29, 15-1-15-4.	4.0	21
42	Tsunami risk communication and management: Contemporary gaps and challenges. <i>International Journal of Disaster Risk Reduction</i> , 2022, 70, 102771.	3.9	19
43	From Seismic Monitoring to Tsunami Warning in the Mediterranean Sea. <i>Seismological Research Letters</i> , 2021, 92, 1796-1816.	1.9	17
44	Along-depth stress rotations and active faults: An example in a 5-km deep well of southern Italy. <i>Tectonics</i> , 2002, 21, 3-1-3-9.	2.8	16
45	Shakemaps uncertainties and their effects in the post-seismic actions for the 2012 Emilia (Italy) earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 2147-2164.	4.1	16
46	Tsunami risk management for crustal earthquakes and non-seismic sources in Italy. <i>Rivista Del Nuovo Cimento</i> , 2021, 44, 69-144.	5.7	16
47	ISMD, a Web Portal for Real-Time Processing and Dissemination of INGV Strong-Motion Data. <i>Seismological Research Letters</i> , 2014, 85, 863-877.	1.9	15
48	The L'Aquila trial. <i>Geological Society Special Publication</i> , 2015, 419, 43-55.	1.3	15
49	Do earthquake storms repeat in the Apennines of Italy?. <i>Terra Nova</i> , 2011, 23, 300-306.	2.1	14
50	Earthquakes in Italy: past, present and future. <i>Episodes</i> , 2003, 26, 245-249.	1.2	13
51	Feasibility of the use of Microtremors in Estimating Site Response during Earthquakes: Some Test Cases in Italy. <i>Earthquake Spectra</i> , 1991, 7, 551-561.	3.1	12
52	Variations on the NeHT high-resolution tomography method: A test of technique and results for Medicine Lake Volcano, northern California. <i>Journal of Geophysical Research</i> , 1995, 100, 4035-4052.	3.3	12
53	Man-induced low-frequency seismic events in Italy. <i>Geophysical Research Letters</i> , 2014, 41, 8261-8268.	4.0	11
54	Rapid response seismic networks in Europe: lessons learnt from the L'Aquila earthquake emergency. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	11

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55	High-resolution seismic imaging of the Mw5.7, 2002 Molise, southern Italy, earthquake area: Evidence of deep fault reactivation. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	10
56	A Ten-Year Earthquake Occurrence Model for Italy. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1195-1213.	2.3	10
57	Three-dimensional kinematic depth migration of converted waves: application to the 2002 Molise aftershock sequence (southern Italy). <i>Geophysical Prospecting</i> , 2008, 56, 587-600.	1.9	8
58	Earthquake sequences of the last millennium in L'Aquila and surrounding regions (central Italy). <i>Terra Nova</i> , 2012, 24, 52-61.	2.1	7
59	Local source tomography: applications to Italian areas. <i>Terra Nova</i> , 1990, 2, 596-608.	2.1	6
60	Velocity structure of the Vulsinian Volcanic Complex (Latium, Italy) from seismic refraction data and three-dimensional inversion of travel times. <i>Journal of Geophysical Research</i> , 1991, 96, 517-535.	3.3	6
61	Cooperation on Congo volcanic and environmental risks. <i>Eos</i> , 2007, 88, 177-181.	0.1	6
62	Feasibility Study of an Earthquake Early Warning System in Eastern Central Italy. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	5
63	#Stayhome and Guarantee Seismic Surveillance and Tsunami Warning during the COVID-19 Emergency in Italy. <i>Seismological Research Letters</i> , 2021, 92, 53-59.	1.9	5
64	The INGV terremoti channel on YouTube. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	4
65	Turning the rumor of the May 11, 2011, earthquake prediction in Rome, Italy, into an information day on earthquake hazard. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	4
66	Cavola experiment site: geophysical investigations and deployment of a dense seismic array on a landslide. <i>Annals of Geophysics</i> , 2009, 50, .	1.0	3
67	The INGV terremoti blog: a new communication tool to improve earthquake information during the Po Plain seismic sequence. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	3
68	Characterization of fault plane and coseismic slip for the 2 May 2020, $M_w=6.6$ Cretan Passage earthquake from tide gauge tsunami data and moment tensor solutions. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3713-3730.	3.6	3
69	Imaging seismogenic structures with local earthquake tomography. <i>Physics and Chemistry of the Earth</i> , 1996, 21, 247-251.	0.3	2
70	Crustal structure in the area of the 2002 Molise earthquake: Clues for the evolution of the southern Apennines. <i>Tectonics</i> , 2014, 33, 741-755.	2.8	2
71	The role of INGV terremoti blog in information management during the earthquake sequence in Central Italy. <i>Annals of Geophysics</i> , 2017, 59, .	1.0	2
72	Further Comment on "AGU Statement Regarding the Conviction of Italian Seismologists". <i>Eos</i> , 2013, 94, 255-255.	0.1	0