

# Lucia Margheriti

## List of Publications by Year in descending order

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67  
papers

2,755  
citations

218677

26  
h-index

182427

51  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2250  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Temporal variation of seismic velocity and anisotropy before the 2009 $M_w > 6.3$ L'Aquila earthquake, Italy. <i>Geology</i> , 2010, 38, 1015-1018.	4.4	146
4	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. <i>Surveys in Geophysics</i> , 2018, 39, 1009-1033.	4.6	138
5	Constraints on mantle circulation around the deforming Calabrian slab. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	114
6	Toroidal mantle flow around the Calabrian slab (Italy) from SKS splitting. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	110
7	Site amplification at five locations in San Francisco, California: A comparison of $S_c$ waves, codas, and microtremors. <i>Bulletin of the Seismological Society of America</i> , 1996, 86, 627-635.	2.3	100
8	Seismic anisotropy reveals the long route of the slab through the western-central Mediterranean mantle. <i>Earth and Planetary Science Letters</i> , 2006, 241, 517-529.	4.4	99
9	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
10	The 2012 Emilia seismic sequence (Northern Italy): Imaging the thrust fault system by accurate aftershock location. <i>Tectonophysics</i> , 2014, 622, 44-55.	2.2	78
11	The $M_w$ 5.4 Reggio Emilia 1996 earthquake: active compressional tectonics in the Po Plain, Italy. <i>Geophysical Journal International</i> , 2001, 144, 1-13.	2.4	75
12	SKS splitting measurements in the Apenninic-Tyrrhenian domain (Italy) and their relation with lithospheric subduction and mantle convection. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	72
13	Multi-segment rupture of the 2016 Amatrice-Visso-Norcia seismic sequence (central Italy) constrained by the first high-quality catalog of Early Aftershocks. <i>Scientific Reports</i> , 2019, 9, 6921.	3.3	72
14	Seismic anisotropy reveals focused mantle flow around the Calabrian slab (Southern Italy). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	65
15	Seismic anisotropy beneath the Northern Apennines (Italy) and its tectonic implications. <i>Geophysical Research Letters</i> , 1996, 23, 2721-2724.	4.0	61
16	The 2012 Pianura Padana Emiliana seismic sequence: locations, moment tensors and magnitudes. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	53
17	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. <i>Journal of Seismology</i> , 2000, 4, 377-386.	1.3	51
18	Seismic anisotropy beneath the Northern Apennines (Italy): Mantle flow or lithosphere fabric?. <i>Earth and Planetary Science Letters</i> , 2006, 247, 157-170.	4.4	47

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19	Crustal Structure of the Ionian Basin and Eastern Sicily Margin: Results From a Wide-Angle Seismic Survey. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2090-2114.	3.4	41
20	The April 1996 Irpinia seismic sequence: Evidence for fault interaction. <i>Journal of Seismology</i> , 1999, 3, 105-117.	1.3	37
21	SKS splitting measurements beneath Northern Apennines region: A case of oblique trench-retreat. <i>Tectonophysics</i> , 2008, 462, 68-82.	2.2	37
22	Anisotropy patterns in the subducting lithosphere and in the mantle wedge: A case study – The southern Italy subduction system. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
23	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
24	Active and fossil mantle flows in the western Alpine region unravelled by seismic anisotropy analysis and high-resolution P wave tomography. <i>Tectonophysics</i> , 2018, 731-732, 35-47.	2.2	32
25	Passive Seismology and Deep Structure in Central Italy. <i>Pure and Applied Geophysics</i> , 1998, 151, 479-493.	1.9	31
26	End of subduction in northern Apennines confirmed by observations of quasi-Love waves from the great 2004 Sumatra-Andaman earthquake. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	31
27	Hints on the deformation penetration induced by subductions and collision processes: Seismic anisotropy beneath the Adria region (Central Mediterranean). <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5814-5826.	3.4	29
28	Eurasia-Africa plate boundary region yields new seismographic data. <i>Eos</i> , 2001, 82, 637-637.	0.1	28
29	Stress aligned cracks in the upper crust of the Val d'Agri region as revealed by shear wave splitting. <i>Geophysical Journal International</i> , 2009, 179, 601-614.	2.4	27
30	Subduction rollback, slab breakoff, and induced strain in the uppermost mantle beneath Italy. <i>Geology</i> , 2008, 36, 375.	4.4	25
31	Space and time variations of crustal anisotropy during the 1997 Umbria-Marche, central Italy, seismic sequence. <i>Geophysical Journal International</i> , 2006, 167, 1482-1490.	2.4	24
32	Frontal compression along the Apennines thrust system: The Emilia 2012 example from seismicity to crustal structure. <i>Journal of Geodynamics</i> , 2014, 82, 98-109.	1.6	24
33	The May 20 (MW 6.1) and 29 (MW 6.0), 2012, Emilia (Po Plain, northern Italy) earthquakes: New seismotectonic implications from subsurface geology and high-quality hypocenter location. <i>Tectonophysics</i> , 2015, 655, 107-123.	2.2	24
34	Seismic Surveillance and Earthquake Monitoring in Italy. <i>Seismological Research Letters</i> , 2021, 92, 1659-1671.	1.9	23
35	Abrupt change in mantle fabric across northern Apennines detected using seismic anisotropy. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	22
36	SKS splitting in Southern Italy: Anisotropy variations in a fragmented subduction zone. <i>Tectonophysics</i> , 2008, 462, 49-67.	2.2	22

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37	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
38	SISMIKO: emergency network deployment and data sharing for the 2016 central Italy seismic sequence. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	19
39	Shear Wave Splitting Evidence and Relations With Stress Field and Major Faults From the "Amatrice-Visso-Norcia Seismic Sequence". <i>Tectonics</i> , 2019, 38, 3351-3372.	2.8	18
40	Rapid response to the earthquake emergency of May 2012 in the Po Plain, northern Italy. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	18
41	ANISOMAT+: An automatic tool to retrieve seismic anisotropy from local earthquakes. <i>Computers and Geosciences</i> , 2013, 56, 62-68.	4.2	16
42	Seismic anisotropy and its relation with crust structure and stress field in the Reggio Emilia Region (Northern Italy). <i>Geophysical Journal International</i> , 2006, 167, 1035-1043.	2.4	15
43	The L'Aquila trial. <i>Geological Society Special Publication</i> , 2015, 419, 43-55.	1.3	15
44	Site response study in Abruzzo (Central Italy): underground array versus surface stations. <i>Journal of Seismology</i> , 1998, 2, 223-236.	1.3	14
45	Seismic Anisotropy and Its Geodynamic Implications in Iran, the Easternmost Part of the Tethyan Belt. <i>Tectonics</i> , 2018, 37, 4377-4395.	2.8	13
46	Shear wave splitting in the Alpine region. <i>Geophysical Journal International</i> , 2021, 227, 1996-2015.	2.4	12
47	Analysis of Borehole Broadband Recordings: Test Site in the Po Basin, Northern Italy. <i>Bulletin of the Seismological Society of America</i> , 2000, 90, 1454-1463.	2.3	11
48	Large-scale coherent anisotropy of upper mantle beneath the Italian peninsula comparing quasi-Love waves and SKS splitting. <i>Journal of Geodynamics</i> , 2014, 82, 26-38.	1.6	11
49	Passive Seismology and Deep Structure in Central Italy. , 1998, , 479-493.		11
50	Rapid response seismic networks in Europe: lessons learnt from the L'Aquila earthquake emergency. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	11
51	Investigating the Origin of Seismic Swarms. <i>Eos</i> , 2013, 94, 361-362.	0.1	9
52	The Italian Seismic Bulletin: strategies, revised pickings and locations of the central Italy seismic sequence. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	9
53	Understanding Crust Dynamics and Subduction in Southern Italy. <i>Eos</i> , 2008, 89, 225-226.	0.1	8
54	The 2011-2014 Pollino Seismic Swarm: Complex Fault Systems Imaged by 1D Refined Location and Shear Wave Splitting Analysis at the Apennines-Calabrian Arc Boundary. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	8

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55	AlpArray-Italy: Site description and noise characterization. <i>Advances in Geosciences</i> , 0, 43, 39-52.	12.0	8
56	A Complete Automatic Procedure to Compile Reliable Seismic Catalogs and Travel Time and Strong Motion Parameters Datasets. <i>Seismological Research Letters</i> , 2019, 90, 1308-1317.	1.9	6
57	Shear wave splitting of the 2009 L'Aquila seismic sequence: fluid saturated microcracks and crustal fractures in the Abruzzi region (Central Apennines, Italy). <i>Geophysical Journal International</i> , 0, , .	2.4	5
58	Geometry of the Deep Calabrian Subduction (Central Mediterranean Sea) From Wide Angle Seismic Data and 3D Gravity Modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, .	2.5	5
59	#IStayhome 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
60	Reply to Comment by A. Argnani on "Geometry of the Deep Calabrian Subduction From Wide Angle Seismic Data and 3D Gravity Modeling". <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009223.	2.5	4
61	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
62	Looking for layered anisotropic structures in the mantle beneath the northern Apennines. <i>Journal of Geodynamics</i> , 2014, 82, 39-51.	1.6	3
63	Caravel: A New Earthworm-Based Open-Source Development for the Italian Seismic Monitoring System. <i>Seismological Research Letters</i> , 2021, 92, 1738-1746.	1.9	3
64	Upper crustal structure in the Potenza area (Southern Apennines, Italy) using Sp converted wave. <i>Annals of Geophysics</i> , 1998, 41, .	1.0	1
65	UMTS rapid response real-time seismic networks: implementation and strategies at INGV. <i>Advances in Geosciences</i> , 0, 41, 35-42.	12.0	1
66	Further Comment on "AGU Statement Regarding the Conviction of Italian Seismologists". <i>Eos</i> , 2013, 94, 255-255.	0.1	0
67	Seismic Anisotropy. , 2021, , 622-635.		0