

Lauro Chiaraluca

List of Publications by Year in descending order

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56
papers

4,088
citations

136950

32
h-index

149698

56
g-index

65
all docs

65
docs citations

65
times ranked

2761
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of Receiver Plane Uncertainty for the Static Stress Triggering Hypothesis. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	1
2	Machine-Learning-Based High-Resolution Earthquake Catalog Reveals How Complex Fault Structures Were Activated during the 2016â€“2017 Central Italy Sequence. <i>The Seismic Record</i> , 2021, 1, 11-19.	3.1	68
3	Three-dimensional paganica fault morphology obtained from hypocenter clustering (L'Aquila 2009) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	5
4	The influence of subsurface geology on the distribution of earthquakes during the 2016â€“2017 Central Italy seismic sequence. <i>Tectonophysics</i> , 2021, 807, 228797.	2.2	29
5	Fault Planes, Fault Zone Structure and Detachment Fragmentation Resolved With Highâ€Precision Aftershock Locations of the 2016â€“2017 Central Italy Sequence. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092918.	4.0	14
6	An automatically generated high-resolution earthquake catalogue for the 2016â€“2017 Central Italy seismic sequence, including<i>P</i> and<i>S</i> phase arrival times. <i>Geophysical Journal International</i> , 2021, 225, 555-571.	2.4	16
7	Intermittent Slip Along the Alto Tiberina Lowâ€Angle Normal Fault in Central Italy. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089039.	4.0	9
8	Fineâ€Scale Structure of the 2016â€“2017 Central Italy Seismic Sequence From Data Recorded at the Italian National Network. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018440.	3.4	38
9	Change-point analysis of<i>VP</i>/<i>VS</i> ratio time-series using a trans-dimensional MCMC algorithm: applied to the Alto Tiberina Near Fault Observatory seismic network (Northern Apennines,) Tj ETQq1 1 0.784314 rgBT /Over	2.2	5
10	Performance of Earthquake Early Warning Systems during the 2016â€“2017 MwÂ5â€“6.5 Central Italy Sequence. <i>Seismological Research Letters</i> , 2018, 89, 1-12.	1.9	36
11	The 2016 Central Italy Seismic Sequence: A First Look at the Mainshocks, Aftershocks, and Source Models. <i>Seismological Research Letters</i> , 2017, 88, 757-771.	1.9	349
12	Loading Rate Variations Along a Midcrustal Shear Zone Preceding the M w 6.0 Earthquake of 24 August 2016 in Central Italy. <i>Geophysical Research Letters</i> , 2017, 44, 12,170.	4.0	26
13	Mixedâ€Mode Slip Behavior of the Altotiberina Lowâ€Angle Normal Fault System (Northern Apennines,) Tj ETQq1 1 0.784314 rgBT /C Research: Solid Earth, 2017, 122, 10,220.	3.4	29
14	The role of rheology, crustal structures and lithology in the seismicity distribution of the northern Apennines. <i>Tectonophysics</i> , 2017, 694, 280-291.	2.2	18
15	Aseismic deformation associated with an earthquake swarm in the northern Apennines (Italy). <i>Geophysical Research Letters</i> , 2017, 44, 7706-7714.	4.0	49
16	Surface temperature and precipitation affecting GPS signals before the 2009 L'Aquila earthquake (Central Italy). <i>Geophysical Journal International</i> , 2017, 210, 911-918.	2.4	8
17	On the mechanical behaviour of a low-angle normal fault: the Alto Tiberina fault (Northern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tt	2.8	17
18	On the Relationship between<i>M</i>_w and<i>M</i>_L for Small Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 2402-2408.	2.3	63

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19	Assessment of earthquake locations in 3D deterministic velocity models: A case study from the Altotiberina Near Fault Observatory (Italy). <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8113-8135.	3.4	30
20	SISMIKO: emergency network deployment and data sharing for the 2016 central Italy seismic sequence. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	19
21	The Amatrice 2016 seismic sequence: a preliminary look at the mainshock and aftershocks distribution. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	36
22	A novel and versatile apparatus for brittle rock deformation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 66, 114-123. .	5.8	59
23	Earthquakes and fault zone structure. <i>Geology</i> , 2014, 42, 343-346.	4.4	67
24	Fault structure and slip localization in carbonate-bearing normal faults: An example from the Northern Apennines of Italy. <i>Journal of Structural Geology</i> , 2014, 67, 154-166.	2.3	59
25	The Alto Tiberina Near Fault Observatory (northern Apennines, Italy). <i>Annals of Geophysics</i> , 2014, 57, .	1.0	24
26	Radiography of a normal fault system by 64,000 high-precision earthquake locations: The 2009 L'Aquila (central Italy) case study. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1156-1176.	3.4	192
27	Seismological constraints for the dyke emplacement of the July-August 2001 lateral eruption at Mt. Etna volcano, Italy. <i>Annals of Geophysics</i> , 2013, 46, .	1.0	8
28	Unravelling the complexity of Apenninic extensional fault systems: A review of the 2009 L'Aquila earthquake (Central Apennines, Italy). <i>Journal of Structural Geology</i> , 2012, 42, 2-18.	2.3	97
29	From surface geology to aftershock analysis: Constraints on the geometry of the L'Aquila 2009 seismicogenic fault system. <i>Italian Journal of Geosciences</i> , 2012, , 330-347.	0.8	25
30	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
31	Fault zone properties affecting the rupture evolution of the 2009 (M _w 6.1) L'Aquila earthquake (central Italy): Insights from seismic tomography. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	69
32	The anatomy of the 2009 L'Aquila normal fault system (central Italy) imaged by high resolution foreshock and aftershock locations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	135
33	Rapid response seismic networks in Europe: lessons learnt from the L'Aquila earthquake emergency. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	11
34	Recorded Motions of the 6 April 2009 M _w 6.3 L'Aquila, Italy, Earthquake and Implications for Building Structural Damage: Overview. <i>Earthquake Spectra</i> , 2010, 26, 651-684.	3.1	71
35	Active faults and induced seismicity in the Val d'Agri area (Southern Apennines, Italy). <i>Geophysical Journal International</i> , 2009, 178, 488-502.	2.4	72
36	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

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37	A decade of passive seismic monitoring experiments with local networks in four Italian regions. <i>Tectonophysics</i> , 2009, 476, 85-98.	2.2	22
38	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
39	Modeling seismicity rate changes during the 1997 Umbria-Marche sequence (central Italy) through a rate- and state-dependent model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	83
40	Background seismicity in the Central Apennines of Italy: The Abruzzo region case study. <i>Tectonophysics</i> , 2007, 444, 80-92.	2.2	67
41	Architecture and mechanics of an active low-angle normal fault: Alto Tiberina Fault, northern Apennines, Italy. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	119
42	Correction to "Architecture and mechanics of an active low-angle normal fault: Alto Tiberina Fault, northern Apennines, Italy". <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	5
43	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
44	Looking at fault reactivation matching structural geology and seismological data. <i>Journal of Structural Geology</i> , 2005, 27, 937-942.	2.3	40
45	Mainshocks and aftershocks of the 2002 molise seismic sequence, southern Italy. <i>Journal of Seismology</i> , 2005, 9, 487-494.	1.3	38
46	Fluid flow and seismicity pattern: Evidence from the 1997 Umbria-Marche (central Italy) seismic sequence. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	102
47	Coulomb stress changes caused by repeated normal faulting earthquakes during the 1997 Umbria-Marche (central Italy) seismic sequence. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	43
48	Connecting seismically active normal faults with Quaternary geological structures in a complex extensional environment: The Colfiorito 1997 case history (northern Apennines, Italy). <i>Tectonics</i> , 2005, 24, n/a-n/a.	2.8	66
49	Aftershocks driven by a high-pressure CO ₂ source at depth. <i>Nature</i> , 2004, 427, 724-727.	27.8	714
50	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
51	Imaging the complexity of an active normal fault system: The 1997 Colfiorito (central Italy) case study. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	141
52	The Gubbio fault: can different methods give pictures of the same object?. <i>Journal of Geodynamics</i> , 2003, 36, 51-66.	1.6	52
53	Foreshock sequence of September 26th, 1997 Umbria-Marche earthquakes. <i>Journal of Seismology</i> , 2000, 4, 387-399.	1.3	35
54	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. <i>Journal of Seismology</i> , 2000, 4, 377-386.	1.3	51

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55	The 1997 Umbria-Marche, Italy, Earthquake Sequence: A first look at the main shocks and aftershocks. Geophysical Research Letters, 1998, 25, 2861-2864.	4.0	280
56	The shallow boreholes at The AltotiBerina near fault Observatory (TABOO; northern Apennines of Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50	0.6	12