

Graziella Barberi

List of Publications by Year in descending order

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33
papers

1,100
citations

430754

18
h-index

395590

33
g-index

38
all docs

38
docs citations

38
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Resolved Seismic Tomography Detects Magma Intrusions at Mount Etna. <i>Science</i> , 2006, 313, 821-823.	6.0	213
2	Tectonics and seismicity of the Tindari Fault System, southern Italy: Crustal deformations at the transition between ongoing contractional and extensional domains located above the edge of a subducting slab. <i>Tectonics</i> , 2006, 25, n/a-n/a.	1.3	100
3	Spatial variations of seismogenic stress orientations in Sicily, south Italy. <i>Physics of the Earth and Planetary Interiors</i> , 2005, 148, 175-191.	0.7	85
4	Crustal seismic tomography in the Calabrian Arc region, south Italy. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 147, 297-314.	0.7	69
5	Seismic strain and seismogenic stress regimes in the crust of the southern Tyrrhenian region. <i>Earth and Planetary Science Letters</i> , 2003, 213, 97-112.	1.8	58
6	Slab narrowing in the Central Mediterranean: the Calabro-Ionian subduction zone as imaged by high resolution seismic tomography. <i>Scientific Reports</i> , 2018, 8, 5178.	1.6	45
7	Intrusive mechanism of the 2008-2009 Mt. Etna eruption: Constraints by tomographic images and stress tensor analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 229-230, 50-63.	0.8	42
8	Tectonic stress and seismogenic faulting in the area of the 1908 Messina earthquake, south Italy. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	39
9	Volcanological inferences from seismic-strain tensor computations at Mt. Etna Volcano, Sicily. <i>Bulletin of Volcanology</i> , 2000, 62, 318-330.	1.1	36
10	Insight into Mt. Etna (Italy) kinematics during the 2002-2003 eruption as inferred from seismic stress and strain tensors. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	35
11	Evidence of multiple strain fields beneath the eastern flank of Mt. Etna volcano (Sicily, Italy) deduced from seismic and geodetic data during 2003-2004. <i>Bulletin of Volcanology</i> , 2011, 73, 869-885.	1.1	35
12	The unusual 28 December 2014 dike-fed paroxysm at Mount Etna: Timing and mechanism from a multidisciplinary perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2037-2053.	1.4	33
13	Geological, seismological and geodetic evidence of active thrusting and folding south of Mt. Etna (eastern Sicily): Reevaluation of the seismic efficiency of the Sicilian Basal Thrust. <i>Journal of Geodynamics</i> , 2015, 90, 32-41.	0.7	31
14	Seismological constraints on the 2018 Mt. Etna (Italy) flank eruption and implications for the flank dynamics of the volcano. <i>Terra Nova</i> , 2020, 32, 334-344.	0.9	28
15	Seismotomography of the crust in the transition zone between the southern Tyrrhenian and Sicilian tectonic domains. <i>Geophysical Research Letters</i> , 2002, 29, 50-1-50-4.	1.5	27
16	Seismotectonics of northeastern Sicily and southern Calabria (Italy): New constraints on the tectonic structures featuring in a crucial sector for the central Mediterranean geodynamics. <i>Tectonics</i> , 2016, 35, 812-832.	1.3	26
17	The shallow magma chamber of Stromboli Volcano (Italy). <i>Geophysical Research Letters</i> , 2017, 44, 6589-6596.	1.5	26
18	New Insights on Mt. Etna's Crust and Relationship with the Regional Tectonic Framework from Joint Active and Passive P-Wave Seismic Tomography. <i>Surveys in Geophysics</i> , 2018, 39, 57-97.	2.1	24

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19	When probabilistic seismic hazard climbs volcanoes: the Mt. Etna case, Italy – Part 1: Model components for sources parameterization. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1981-1998.	1.5	19
20	Combined Seismic and Geodetic Analysis Before, During, and After the 2018 Mount Etna Eruption. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009218.	1.0	18
21	Instrumental seismic catalogue of Mt. Etna earthquakes (Sicily, Italy): ten years (2000-2010) of instrumental recordings. <i>Annals of Geophysics</i> , 2015, 58, .	0.5	18
22	Structural architecture and active deformation pattern in the northern sector of the Aeolian-Tindari-Letojanni fault system (SE Tyrrhenian Sea-NE Sicily) from integrated analysis of field, marine geophysical, seismological and geodetic data. <i>Italian Journal of Geosciences</i> , 2017, 136, 399-417.	0.4	17
23	New seismological data from the Calabrian arc reveal arc-orthogonal extension across the subduction zone. <i>Scientific Reports</i> , 2021, 11, 473.	1.6	16
24	Earthquake Rupture Forecasts for the MPS19 Seismic Hazard Model of Italy. <i>Annals of Geophysics</i> , 2021, 64, .	0.5	13
25	Recent Activity and Kinematics of the Bounding Faults of the Catanzaro Trough (Central Calabria). <i>TJ ETQq1 1 0.784314 rgBT / Overlook</i>	1.0	11
26	Improving Seismic Surveillance at Mt. Etna Volcano by Probabilistic Earthquake Location in a 3D Model. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2447-2459.	1.1	9
27	Volcanic unrest leading to the July–August 2001 lateral eruption at Mt. Etna: Seismological constraints. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 11-23.	0.8	7
28	Frequency-magnitude distribution of earthquakes at Etna volcano unravels critical stress changes along magma pathways. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	7
29	Seismic and volcanic activity during 2014 in the region involved by TOMO-ETNA seismic active experiment. <i>Annals of Geophysics</i> , 2016, 59, .	0.5	5
30	PARTOS - Passive and Active Ray TOMography Software: description and preliminary analysis using TOMO-ETNA experiment's dataset. <i>Annals of Geophysics</i> , 2016, 59, .	0.5	3
31	The failed eruption of Mt. Etna in December 2005: Evidence from volcanic tremor analyses. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4989-5005.	1.0	2
32	Foreland seismicity associated with strike-slip faulting in southeastern Sicily, Italy: Seismotectonic implications and seismic hazard assessment. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 307, 106553.	0.7	1
33	The contribution of the NEMO-SN1 seafloor observatory to improve the seismic locations in the Ionian Sea (Italy). <i>Annals of Geophysics</i> , 2021, 64, SE655.	0.5	1