

Matteo Lupi

List of Publications by Year in descending order

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49
papers

853
citations

516215

16
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552369

26
g-index

57
all docs

57
docs citations

57
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogeology of Stromboli volcano, Aeolian Islands (Italy) from the interpretation of resistivity tomograms, self-potential, soil temperature and soil CO ₂ concentration measurements. <i>Geophysical Journal International</i> , 2011, 186, 1078-1094.	1.0	73
2	Lusi mud eruption triggered by geometric focusing of seismic waves. <i>Nature Geoscience</i> , 2013, 6, 642-646.	5.4	73
3	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	46
4	3D-ambient noise Rayleigh wave tomography of Snæfellsjökull volcano, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 317, 42-52.	0.8	44
5	The Plumbing System Feeding the Lusi Eruption Revealed by Ambient Noise Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8200-8213.	1.4	36
6	Short-lived tectonic switch mechanism for long-term pulses of volcanic activity after mega-thrust earthquakes. <i>Solid Earth</i> , 2014, 5, 13-24.	1.2	32
7	Radon and carbon gas anomalies along the Watukosek Fault System and Lusi mud eruption, Indonesia. <i>Marine and Petroleum Geology</i> , 2018, 90, 77-90.	1.5	32
8	Numerical simulations of seismicity-induced fluid flow in the Tjarnes Fracture Zone, Iceland. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	31
9	Ambient-noise tomography of the Greater Geneva Basin in a geothermal exploration context. <i>Geophysical Journal International</i> , 2020, 220, 370-383.	1.0	30
10	Evaluating thermal losses and storage capacity in high-temperature aquifer thermal energy storage (HT-ATES) systems with well operating limits: insights from a study-case in the Greater Geneva Basin, Switzerland. <i>Geothermics</i> , 2020, 85, 101773.	1.5	28
11	Lusi, a clastic-dominated geysiring system in Indonesia recently explored by surface and subsurface observations. <i>Terra Nova</i> , 2017, 29, 13-19.	0.9	25
12	Subsurface fluid distribution and possible seismic precursory signal at the Salse di Nirano mud volcanic field, Italy. <i>Geophysical Journal International</i> , 2016, 204, 907-917.	1.0	24
13	Fracture Unclogging: A Numerical Study of Seismically Induced Viscous Shear Stresses in Fluid-Saturated Fractured Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11705-11727.	1.4	19
14	Remotely triggered nonvolcanic tremor in Sumbawa, Indonesia. <i>Geophysical Research Letters</i> , 2014, 41, 4185-4193.	1.5	18
15	Neotectonics of the Sea of Galilee (northeast Israel): implication for geodynamics and seismicity along the Dead Sea Fault system. <i>Scientific Reports</i> , 2020, 10, 11932.	1.6	17
16	Seismicity and geodynamics of western Peloponnese and central Ionian Islands: Insights from a local seismic deployment. <i>Tectonophysics</i> , 2020, 778, 228353.	0.9	16
17	Fault reactivation due to the M7.6 Nicoya earthquake at the Turrialba volcanic complex, Costa Rica: Effects of dynamic stress triggering. <i>Geophysical Research Letters</i> , 2014, 41, 4142-4148.	1.5	15
18	Seismic activity of the Nevados de Chillán volcanic complex after the 2010 Mw8.8 Maule, Chile, earthquake. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 283, 116-126.	0.8	15

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19	Genesis and evolution of the Watukosek fault system in the Lusi area (East Java). <i>Marine and Petroleum Geology</i> , 2018, 90, 125-137.	1.5	15
20	Modelling fluid flow in clastic eruptions: Application to the Lusi mud eruption. <i>Marine and Petroleum Geology</i> , 2018, 90, 173-190.	1.5	15
21	Deep electrical resistivity tomography for the prospection of low- to medium-enthalpy geothermal resources. <i>Geophysical Journal International</i> , 2019, 219, 2056-2072.	1.0	15
22	How temperature-dependent elasticity alters host rock/magmatic reservoir models: A case study on the effects of ice-cap unloading on shallow volcanic systems. <i>Earth and Planetary Science Letters</i> , 2016, 456, 16-25.	1.8	14
23	Crustal model of the Southern Central Andes derived from ambient seismic noise Rayleigh-wave tomography. <i>Tectonophysics</i> , 2018, 744, 215-226.	0.9	14
24	Regional earthquakes followed by delayed ground uplifts at Campi Flegrei Caldera, Italy: Arguments for a causal link. <i>Earth and Planetary Science Letters</i> , 2017, 474, 436-446.	1.8	13
25	Hydrothermal fluid flow within a tectonically active rift-ridge transform junction: Tjörnnes Fracture Zone, Iceland. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
26	Lusi hydrothermal structure inferred through ambient vibration measurements. <i>Marine and Petroleum Geology</i> , 2018, 90, 116-124.	1.5	12
27	Seismicity at Lusi and the adjacent volcanic complex, Java, Indonesia. <i>Marine and Petroleum Geology</i> , 2018, 90, 149-156.	1.5	12
28	Concentric Structures and Hydrothermal Venting in the Western Desert, Egypt. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	12
29	Deep Electrical Resistivity Tomography of the Major Basin Related to the 2016 Mw 6.5 Central Italy Earthquake Fault. <i>Tectonics</i> , 2021, 40, e2020TC006628.	1.3	11
30	Constraints on density changes in the funnel-shaped caldera inferred from gravity monitoring of the Lusi mud eruption. <i>Marine and Petroleum Geology</i> , 2018, 90, 91-103.	1.5	9
31	Modelling fluid flow in active clastic piercements: Challenges and approaches. <i>Marine and Petroleum Geology</i> , 2018, 90, 157-172.	1.5	9
32	Enhanced hydrothermal processes at the new-born Lusi eruptive system, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 366, 47-57.	0.8	9
33	Constraints on gas release from shallow lake sediments—a case study from the Sea of Galilee. <i>Geo-Marine Letters</i> , 2019, 39, 377-390.	0.5	9
34	Transient tectonic regimes imposed by megathrust earthquakes and the growth of NW-trending volcanic systems in the Southern Andes. <i>Tectonophysics</i> , 2020, 774, 228204.	0.9	9
35	3D Deep Electrical Resistivity Tomography of the Lusi Eruption Site in East Java. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092632.	1.5	8
36	Tectonics of the Dead Sea Fault Driving the July 2018 Seismic Swarm in the Sea of Galilee (Lake Tj	1.4	7

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37	Seismotectonics and 1-D velocity model of the Greater Geneva Basin, France–Switzerland. <i>Geophysical Journal International</i> , 2020, 221, 2026-2047.	1.0	7
38	Tectonic and Anthropogenic Microseismic Activity While Drilling Toward Supercritical Conditions in the Larderello–Travale Geothermal Field, Italy. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018618.	1.4	7
39	Affordable gravity prospection calibrated on improved time-to-depth conversion of old seismic profiles for exploration of geothermal resources. <i>Geothermics</i> , 2020, 86, 101800.	1.5	7
40	Numerical simulations of passing seismic waves at the Larderello–Travale Geothermal Field, Italy. <i>Geophysical Research Letters</i> , 2017, 44, 5418-5426.	1.5	6
41	Northward migration of the Javanese volcanic arc along thrust faults. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117258.	1.8	6
42	Insights into the dynamics of the Nirano Mud Volcano through seismic characterization of drumbeat signals and V/H analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 431, 107619.	0.8	5
43	A model for syn-eruptive groundwater flow during the phreatoplinian phase of the 28–29 March 1875 Askja volcano eruption, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 203, 146-157.	0.8	4
44	Seismically Induced Unclogging in Fluid-Saturated Faults. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020152.	1.4	4
45	Detection of the SARS-CoV-2 in different biologic specimens from positive patients with COVID-19, in Northern Italy. <i>Pediatric Allergy and Immunology</i> , 2020, 31, 72-74.	1.1	4
46	Geothermal Systems: Interdisciplinary Approaches for an Effective Exploration. <i>Geofluids</i> , 2019, 2019, 1-3.	0.3	1
47	3D Basin-Scale Groundwater Flow Modeling as a Tool for Geothermal Exploration: Application to the Geneva Basin, Switzerland–France. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009505.	1.0	1
48	The Lusi seismic experiment: An initial study to understand the effect of seismic activity to Lusi. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
49	Initiation of Krauklis waves by incident seismic body waves: Numerical modeling, laboratory perspectives, and application for fracture-size estimation. , 2014, , .		0