

Michele Paulatto

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

845
citations

430874
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34
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinations of volcanic-flank and seafloor-sediment failure offshore Montserrat, and their implications for tsunami generation. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 228-240.	4.4	77
2	Magma chamber properties from integrated seismic tomography and thermal modeling at Montserrat. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	70
3	Upper crustal structure of an active volcano from refraction/reflection tomography, Montserrat, Lesser Antilles. <i>Geophysical Journal International</i> , 2010, 180, 685-696.	2.4	63
4	Post-eruptive flooding of Santorini caldera and implications for tsunami generation. <i>Nature Communications</i> , 2016, 7, 13332.	12.8	58
5	Rapid rates of growth and collapse of Monowai submarine volcano in the Kermadec Arc. <i>Nature Geoscience</i> , 2012, 5, 510-515.	12.9	50
6	Dehydration of subducting slow-spread oceanic lithosphere in the Lesser Antilles. <i>Nature Communications</i> , 2017, 8, 15980.	12.8	50
7	The emergence and growth of a submarine volcano: The Kameni islands, Santorini (Greece). <i>GeoResJ</i> , 2014, 1-2, 8-18.	1.4	47
8	Three-dimensional seismic velocity tomography of Montserrat from the SEA-CALIPSO offshore/onshore experiment. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	43
9	Insights into the emplacement dynamics of volcanic landslides from high-resolution 3D seismic data acquired offshore Montserrat, Lesser Antilles. <i>Marine Geology</i> , 2013, 335, 1-15.	2.1	39
10	Vertically Extensive Magma Reservoir Revealed From Joint Inversion and Quantitative Interpretation of Seismic and Gravity Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11170-11191.	3.4	38
11	Seismic imaging of Santorini: Subsurface constraints on caldera collapse and present-day magma recharge. <i>Earth and Planetary Science Letters</i> , 2019, 514, 48-61.	4.4	34
12	Ultra-long-range hydroacoustic observations of submarine volcanic activity at Monowai, Kermadec Arc. <i>Geophysical Research Letters</i> , 2016, 43, 1529-1536.	4.0	29
13	Tsunami hazard scenarios in the Adriatic Sea domain. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 309-325.	3.6	28
14	Ridge subduction and afterslip control aftershock distribution of the 2016 Mw 7.8 Ecuador earthquake. <i>Earth and Planetary Science Letters</i> , 2019, 520, 63-76.	4.4	27
15	Tectonism and Its Relation to Magmatism Around Santorini Volcano From Upper Crustal <i>P</i> Wave Velocity. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10610-10629.	3.4	26
16	Magma accumulation beneath Santorini volcano, Greece, from P-wave tomography. <i>Geology</i> , 2020, 48, 231-235.	4.4	22
17	Heterogeneous and asymmetric crustal accretion: New constraints from multibeam bathymetry and potential field data from the Rainbow area of the Mid-Atlantic Ridge (36°15'N). <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2994-3014.	2.5	21
18	Quantification of the Intrusive Magma Fluxes during Magma Chamber Growth at Soufriere Hills Volcano (Montserrat, Lesser Antilles). <i>Journal of Petrology</i> , 2014, 55, 529-548.	2.8	20

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19	Contrasts in morphology and deformation offshore Montserrat: New insights from the SEA-CALIPSO marine cruise data. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	18
20	Active Source Seismic Experiment Peers Under Soufrière Hills Volcano. <i>Eos</i> , 2010, 91, 245-247.	0.1	16
21	Seismic velocity structure and deformation due to the collision of the Louisville Ridge with the Tonga-Kermadec Trench. <i>Geophysical Journal International</i> , 2015, 200, 1503-1522.	2.4	15
22	Constraints on an intrusive system beneath the Soufrière Hills Volcano, Montserrat, from finite difference modeling of a controlled source seismic experiment. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	13
23	Potential field and bathymetric investigation of the Monowai volcanic centre, Kermadec Arc: implications for caldera formation and volcanic evolution. <i>Geophysical Journal International</i> , 2014, 197, 1484-1499.	2.4	10
24	Structure and deformation of the Kermadec forearc in response to subduction of the Pacific oceanic plate. <i>Geophysical Journal International</i> , 2014, 199, 1286-1302.	2.4	8
25	Heralds of Future Volcanism: Swarms of Microseismicity Beneath the Submarine Kolumbo Volcano Indicate Opening of Near-Vertical Fractures Exploited by Ascending Melts. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	7
26	Relationship Between Active Faulting/Fracturing and Magmatism Around Santorini: Seismic Anisotropy From an Active Source Tomography Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021898.	3.4	6
27	Cetacean encounters around the island of Montserrat (Caribbean Sea) during 2007 and 2010, including new species state records. <i>Marine Biodiversity Records</i> , 2011, 4, .	1.2	5
28	Chapter 15 The SEA-CALIPSO volcano imaging experiment at Montserrat: plans, campaigns at sea and on land, scientific results, and lessons learned. <i>Geological Society Memoir</i> , 2014, 39, 253-289.	1.7	5