

Philippe Labazuy

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,663
citations

257357

24
h-index

289141

40
g-index

53
all docs

53
docs citations

53
times ranked

1689
citing authors

#	ARTICLE	IF	CITATIONS
1	Active structures and thermal state of the Piton de la Fournaise summit revealed by combined UAV magnetic and thermal infrared measurements. <i>Volcanica</i> , 2022, 5, 61-74.	0.6	1
2	Active structures and thermal state of the Piton de la Fournaise summit revealed by combined UAV magnetic and thermal infrared measurements. <i>Volcanica</i> , 2022, 5, 41-54.	0.6	0
3	Structured elicitation of expert judgement in real-time eruption scenarios: an exercise for Piton de la Fournaise volcano, La Réunion island. <i>Volcanica</i> , 2022, 5, 105-131.	0.6	2
4	IMS observations of infrasound and acoustic-gravity waves produced by the January 2022 volcanic eruption of Hunga, Tonga: A global analysis. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117639.	1.8	54
5	Validation of a New UAV Magnetic Prospecting Tool for Volcano Monitoring and Geohazard Assessment. <i>Remote Sensing</i> , 2021, 13, 894.	1.8	11
6	Post-eruption evolution of maar lakes and potential instability: The Lake Pavin case study, French Massif Central. <i>Geomorphology</i> , 2021, 382, 107663.	1.1	2
7	Multidisciplinary Study of the Impacts of the 1600 CE Huaynaputina Eruption and a Project for Geosites and Geo-touristic Attractions. <i>Geoheritage</i> , 2021, 13, 1.	1.5	5
8	Robust Bayesian Joint Inversion of Gravimetric and Muographic Data for the Density Imaging of the Puy de Dôme Volcano (France). <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	9
9	Quantifying multiple electromagnetic properties in EMI surveys: A case study of hydromorphic soils in a volcanic context – The Lac du Puy (France). <i>Geoderma</i> , 2020, 361, 114084.	2.3	5
10	Geoscientists in the Sky: Unmanned Aerial Vehicles Responding to Geohazards. <i>Surveys in Geophysics</i> , 2020, 41, 1285-1321.	2.1	30
11	A method for 3D reconstruction of volcanic bomb trajectories. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	1.1	5
12	Bayesian joint muographic and gravimetric inversion applied to volcanoes. <i>Geophysical Journal International</i> , 2019, 218, 2179-2194.	1.0	19
13	3D electrical imaging of the inner structure of a complex lava dome, Puy de Dôme volcano (French) $T_j ETQq1 1 0.784314 rgBT / Overl$	0.8	10
14	Electrical resistivity tomography and time-domain induced polarization field investigations of geothermal areas at Krafla, Iceland: comparison to borehole and laboratory frequency-domain electrical observations. <i>Geophysical Journal International</i> , 2019, 218, 1469-1489.	1.0	32
15	Electrical conductivity and induced polarization investigations at Krafla volcano, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 368, 73-90.	0.8	12
16	Correlating hydrothermal system dynamics and eruptive activity – A case-study of Piton de la Fournaise volcano, La Réunion. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 363, 23-39.	0.8	4
17	Grand Sarcoui volcano (Chaîne des Puys, Massif Central, France), a case study for monogenetic trachytic lava domes. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 345, 125-141.	0.8	9
18	HOTVOLC: a web-based monitoring system for volcanic hot spots. <i>Geological Society Special Publication</i> , 2016, 426, 223-241.	0.8	40

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19	Geophysical imaging of the inner structure of a lava dome and its environment through gravimetry and magnetism. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 320, 88-99.	0.8	15
20	Geology, Geomorphology and Slope Instability of the Maar Lake Pavin (Auvergne, French Massif) <i>Tj ETQq0 0 0 rgBT /Overlock</i> , 2010, 10, 50-72		
21	Joint measurement of the atmospheric muon flux through the Puy de Dôme volcano with plastic scintillators and Resistive Plate Chambers detectors. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7290-7307.	1.4	62
22	Improved space borne detection of volcanic ash for real-time monitoring using 3-Band method. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 293, 25-45.	0.8	30
23	Geophysical Experimental Survey on Flood Protection Dikes - The Case Study of the Loire River Basin. , 2015, , .		0
24	Geochemical insights into the internal dynamics of debris avalanches. A case study: The Socompa avalanche, Chile. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2282-2300.	1.0	2
25	L'origine de la roche mise en œuvre pour la construction du temple de Mercure, au sommet du Puy de Dôme, et les implications archéologiques. <i>Journal of Roman Archaeology</i> , 2013, 26, 122-142.	0.1	2
26	Inner structure of the Puy de Dôme volcano: cross-comparison of geophysical models (ERT,) <i>Tj ETQq0 0 0 rgBT /Overlock</i> 10, 15, 50-462	0.6	25
27	Towards a muon radiography of the Puy de Dôme. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2013, 2, 55-60.	0.6	80
28	Modern Multispectral Sensors Help Track Explosive Eruptions. <i>Eos</i> , 2013, 94, 321-322.	0.1	23
29	Multi-directional derivation of self-potential/elevation gradient (<i>Ce</i>) maps – swirl procedure. <i>Near Surface Geophysics</i> , 2013, 11, 275-282.	0.6	3
30	Air shower simulation for background estimation in muon tomography of volcanoes. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2013, 2, 11-15.	0.6	3
31	Physical and optical properties of 2010 Eyjafjallajökull volcanic eruption aerosol: ground-based, Lidar and airborne measurements in France. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1721-1736.	1.9	53
32	Near real-time monitoring of the April-May 2010 Eyjafjallajökull ash cloud: an example of a web-based, satellite data-driven, reporting system. <i>International Journal of Environment and Pollution</i> , 2012, 48, 262.	0.2	21
33	Eyjafjallajökull ash concentrations derived from both lidar and modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51
34	A year of lava fountaining at Etna: Volumes from SEVIRI. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	85
35	LiDAR derived morphology of the 1993 Lascar pyroclastic flow deposits, and implication for flow dynamics and rheology. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 245-246, 81-97.	0.8	36
36	Volcanological evolution and caldera forming eruptions of Mt. Nemrut (Eastern Turkey). <i>Journal of Volcanology and Geothermal Research</i> , 2012, 245-246, 21-39.	0.8	19

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37	Lava discharge during Etna's January 2011 fire fountain tracked using MSG-SEVIRI. Bulletin of Volcanology, 2012, 74, 787-793.	1.1	37
38	STcorr: An IDL code for image based normalization of lapse rate and illumination effects on nighttime TIR imagery. Computers and Geosciences, 2012, 43, 63-72.	2.0	11
39	An unloading foam model to constrain Etna's 11-13 January 2011 lava fountaining episode. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	72
40	Landslide-generated tsunamis at Réunion Island. Journal of Geophysical Research, 2010, 115, .	3.3	79
41	Growth and collapse of the Reunion Island volcanoes. Bulletin of Volcanology, 2008, 70, 717-742.	1.1	121
42	Structure of the Nemrut caldera (Eastern Anatolia, Turkey) and associated hydrothermal fluid circulation. Journal of Volcanology and Geothermal Research, 2008, 174, 269-283.	0.8	27
43	Landslides and spreading of oceanic hot-spot and arc shield volcanoes on Low Strength Layers (LSLs): an analogue modeling approach. Journal of Volcanology and Geothermal Research, 2005, 144, 169-189.	0.8	70
44	Volcanic and deformation history of the Bodrum resurgent caldera system (southwestern Turkey). Journal of Volcanology and Geothermal Research, 2004, 136, 71-96.	0.8	27
45	Recurrence of major flank landslides during the last 2-Ma-history of Reunion Island. Bulletin of Volcanology, 2004, 66, 585-598.	1.1	80
46	Localization of self-potential sources in volcano-electric effect with complex continuous wavelet transform and electrical tomography methods for an active volcano. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	45
47	Morphological analysis of active Mount Nemrut stratovolcano, eastern Turkey: evidences and possible impact areas of future eruption. Journal of Volcanology and Geothermal Research, 2003, 123, 301-312.	0.8	64
48	The volcano-electric effect. Journal of Geophysical Research, 2003, 108, .	3.3	53
49	Geoelectrical structure of the central zone of Piton de la Fournaise volcano (Réunion). Bulletin of Volcanology, 2000, 62, 75-89.	1.1	83
50	Deep-sea volcanoclastic sedimentary systems: an example from La Fournaise volcano, Réunion Island, Indian Ocean. Sedimentology, 1998, 45, 293-330.	1.6	65
51	Recurrent landslides events on the submarine flank of Piton de la Fournaise volcano (Reunion Island). Geological Society Special Publication, 1996, 110, 295-306.	0.8	53