Laura Sandri

List of Publications by Year
in descending order

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Version: 2024-02-01

62	2,315	218381	223531
papers	citations	26 h-index	46 g-index

74	74	74	1600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for volcano-observatory operations during crises: recommendations from the 2019 volcano observatory best practices meeting. Journal of Applied Volcanology, 2022, 11, .	0.7	26
2	Long-term hazard assessment of explosive eruptions at Jan Mayen (Norway) and implications for air traffic in the North Atlantic. Natural Hazards and Earth System Sciences, 2022, 22, 139-163.	1.5	9
3	Assessing hazard and potential impact associated with volcanic ballistic projectiles: The example of La SoufriÃ¨re de Guadeloupe volcano (Lesser Antilles). Journal of Volcanology and Geothermal Research, 2022, 423, 107453.	0.8	1
4	Reducing the volcanic risk in the frame of the hazard/risk separation principle. , 2021, , 545-564.		2
5	Stochastic Modeling of Explosive Eruptive Events at Galeras Volcano, Colombia. Frontiers in Earth Science, 2021, 8, .	0.8	3
6	Editorial: Field Data, Models and Uncertainty in Hazard Assessment of Pyroclastic Density Currents and Lahars: Global Perspectives. Frontiers in Earth Science, 2021, 9, .	0.8	1
7	Testing gas dispersion modelling: A case study at La SoufriÃ¨re volcano (Guadeloupe, Lesser Antilles). Journal of Volcanology and Geothermal Research, 2021, 417, 107312.	0.8	6
8	Predicting Imminence of Analog Megathrust Earthquakes With Machine Learning: Implications for Monitoring Subduction Zones. Geophysical Research Letters, 2020, 47, e2019GL086615.	1.5	22
9	Multisource Bayesian Probabilistic Tsunami Hazard Analysis for the Gulf of Naples (Italy). Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015373.	1.0	10
10	Machine Learning Can Predict the Timing and Size of Analog Earthquakes. Geophysical Research Letters, 2019, 46, 1303-1311.	1.5	65
11	39ÂYears of Geochemical Monitoring of Laguna Caliente Crater Lake, PoÃ¡s: Patterns from the Past as Keys for the Future. Active Volcanoes of the World, 2019, , 213-233.	1.0	8
12	Multivariate statistical analysis to investigate the subduction zone parameters favoring the occurrence of giant megathrust earthquakes. Tectonophysics, 2018, 728-729, 92-103.	0.9	20
13	Probabilistic Hazard From Pyroclastic Density Currents in the Neapolitan Area (Southern Italy). Journal of Geophysical Research: Solid Earth, 2018, 123, 3474-3500.	1.4	39
14	Towards Quantitative Volcanic Risk of Pyroclastic Density Currents: Probabilistic Hazard Curves and Maps Around Sommaâ€Vesuvius (Italy). Journal of Geophysical Research: Solid Earth, 2018, 123, 6299-6317.	1.4	29
15	Weak Tectono-Magmatic Relationships along an Obliquely Convergent Plate Boundary: Sumatra, Indonesia. Frontiers in Earth Science, 2018, 6, .	0.8	23
16	Phreatic eruptions at crater lakes: occurrence statistics and probabilistic hazard forecast. Journal of Applied Volcanology, 2017, 6, .	0.7	16
17	A Bayesian seismic hazard analysis for the city of Naples. Journal of Geophysical Research: Solid Earth, 2017, 122, 1990-2012.	1.4	3
18	Quantifying risk to agriculture from volcanic ashfall: a case study from the Bay of Plenty, New Zealand. Natural Hazards, 2017, 86, 31-56.	1.6	14

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19	Searching for patterns in caldera unrest. Geochemistry, Geophysics, Geosystems, 2017, 18, 2748-2768.	1.0	21
20	Deterministic Versus Probabilistic Volcano Monitoring: Not â€œorâ€•But â€œandâ€• Advances in Volcanology, 2017, , 35-46.	0.7	7
21	The Need to Quantify Hazard Related to Non-magmatic Unrest: From BET_EF to BET_UNREST. Advances in Volcanology, 2017, , 63-82.	0.7	6
22	A Framework for Probabilistic Multi-Hazard Assessment of Rain-Triggered Lahars Using Bayesian Belief Networks. Frontiers in Earth Science, 2017, 5, .	0.8	30
23	Beyond eruptive scenarios: assessing tephra fallout hazard from Neapolitan volcanoes. Scientific Reports, 2016, 6, 24271.	1.6	47
24	A new Bayesian Event Tree tool to track and quantify volcanic unrest and its application to Kawah Ijen volcano. Geochemistry, Geophysics, Geosystems, 2016, 17, 2539-2555.	1.0	25
25	Where giant earthquakes may come. Journal of Geophysical Research: Solid Earth, 2016, 121, 7322-7336.	1.4	12
26	Suitability of energy cone for probabilistic volcanic hazard assessment: validation tests at Somma-Vesuvius and Campi Flegrei (Italy). Bulletin of Volcanology, 2016, 78, 1.	1.1	41
27	Application of the probabilistic model <scp>BET_UNREST</scp> during a volcanic unrest simulation exercise in <scp>D</scp>ominica, <scp>L</scp>esser <scp>A</scp>ntilles. Geochemistry, Geophysics, Geosystems, 2016, 17, 4438-4456.	1.0	12
28	Operational Short-term Volcanic Hazard Analysis. , 2015, , 233-259.		6
29	A Methodology for a Comprehensive Probabilistic Tsunami Hazard Assessment: Multiple Sources and Short-Term Interactions. Journal of Marine Science and Engineering, 2015, 3, 23-51.	1.2	15
30	Tephra fall hazard for the Neapolitan area. , 2015, , 239-248.		5
31	Brief Communication: The effect of submerged vents on probabilistic hazard assessment for tephra fallout. Natural Hazards and Earth System Sciences, 2015, 15, 409-415.	1.5	10
32	Exploring the influence of vent location and eruption style on tephra fall hazard from the Okataina Volcanic Centre, New Zealand. Bulletin of Volcanology, 2015, 77, 1.	1.1	20
33	PyBetVH: A Python tool for probabilistic volcanic hazard assessment and for generation of Bayesian hazard curves and maps. Computers and Geosciences, 2015, 79, 38-46.	2.0	31
34	Probabilistic shortâ€term volcanic hazard in phases of unrest: A case study for tephra fallout. Journal of Geophysical Research: Solid Earth, 2014, 119, 8805-8826.	1.4	42
35	Recognizing and tracking volcanic hazards related to non-magmatic unrest: a review. Journal of Applied Volcanology, 2014, 3, .	0.7	59
36	Long-term multi-hazard assessment for El Misti volcano (Peru). Bulletin of Volcanology, 2014, 76, 1.	1.1	76

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37	Past, present and future of volcanic lake monitoring. Journal of Volcanology and Geothermal Research, 2014, 272, 78-97.	0.8	82
38	Probabilistic Seismic Hazard Assessment: Combining Cornell-Like Approaches and Data at Sites through Bayesian Inference. Bulletin of the Seismological Society of America, 2013, 103, 1709-1722.	1.1	27
39	Probabilistic tsunami hazard assessment for Messina Strait Area (Sicily, Italy). Natural Hazards, 2012, 64, 329-358.	1.6	32
40	Relation between subduction megathrust earthquakes, trench sediment thickness and upper plate strain. Geophysical Research Letters, 2012, 39, .	1.5	135
41	Operational eruption forecasting at high-risk volcanoes: the case of Campi Flegrei, Naples. Journal of Applied Volcanology, 2012, 1, .	0.7	49
42	Combining long- and short-term probabilistic volcanic hazard assessment with cost-benefit analysis to support decision making in a volcanic crisis from the Auckland Volcanic Field, New Zealand. Bulletin of Volcanology, 2012, 74, 705-723.	1.1	95
43	Probability hazard map for future vent opening at the Campi Flegrei caldera, Italy. Bulletin of Volcanology, 2012, 74, 497-510.	1.1	102
44	Rapid response to the earthquake emergency of May 2012 in the Po Plain, northern Italy. Annals of Geophysics, 2012, 55, .	0.5	18
45	Application of BET_EF at Mount Etna: a retrospective analysis (years 2001-2005). Annals of Geophysics, 2011, 54, .	0.5	3
46	Towards real-time eruption forecasting in the Auckland Volcanic Field: application of BET_EF during the New Zealand National Disaster Exercise â€˜Ruaumokoâ€™. Bulletin of Volcanology, 2010, 72, 185-204.	1.1	111
47	BET_VH: a probabilistic tool for long-term volcanic hazard assessment. Bulletin of Volcanology, 2010, 72, 705-716.	1.1	110
48	BET_VH: exploring the influence of natural uncertainties on long-term hazard from tephra fallout at Campi Flegrei (Italy). Bulletin of Volcanology, 2010, 72, 717-733.	1.1	68
49	A Bayesian procedure for Probabilistic Tsunami Hazard Assessment. Natural Hazards, 2010, 53, 159-174.	1.6	54
50	Testing forecasts of a new Bayesian time-predictable model of eruption occurrence. Journal of Volcanology and Geothermal Research, 2010, 198, 57-75.	0.8	17
51	Bayesian Hierarchical Time Predictable Model for eruption occurrence: an application to Kilauea Volcano. Geophysical Journal International, 2010, , .	1.0	3
52	Bayesian Inference on Earthquake Size Distribution: A Case Study in Italy. Bulletin of the Seismological Society of America, 2010, 100, 349-363.	1.1	4
53	Bayesian event tree for eruption forecasting (BET_EF) at Vesuvius, Italy: a retrospective forward application to the 1631 eruption. Bulletin of Volcanology, 2009, 71, 729-745.	1.1	34
54	A review and new insights on the estimation of the b-valueand its uncertainty. Annals of Geophysics, 2009, 46, .	0.5	55

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55	A technical note on the bias in the estimation of the b-value and its uncertainty through the Least Squares technique. Annals of Geophysics, 2009, 50, .	0.5	6
56	BET_EF: a probabilistic tool for long- and short-term eruption forecasting. Bulletin of Volcanology, 2008, 70, 623-632.	1.1	197
57	Some insights on the occurrence of recent volcanic eruptions of Mount Etna volcano (Sicily, Italy). Geophysical Journal International, 2005, 163, 1203-1218.	1.0	33
58	A new perspective in identifying the precursory patterns of eruptions. Bulletin of Volcanology, 2004, 66, 263-275.	1.1	47
59	Testing the performance of some nonparametric pattern recognition algorithms in realistic cases. Pattern Recognition, 2004, 37, 447-461.	5.1	7
60	Quantifying probabilities of volcanic events: The example of volcanic hazard at Mount Vesuvius. Journal of Geophysical Research, 2004, 109, .	3.3	219
61	The major event of the 1997 Umbria-Marche (Italy) sequence: what could we learn from DInSAR and GPS data?. Geophysical Journal International, 2003, 153, 242-252.	1.0	9
62	A quantitative model for volcanic hazard assessment. , 0, , 31-37.		10