Simone Tarquini

List of Publications by Year in descending order

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304602 345118 1,593 36 22 36 h-index citations g-index papers 36 36 36 1933 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Release of a 10-m-resolution DEM for the Italian territory: Comparison with global-coverage DEMs and anaglyph-mode exploration via the web. Computers and Geosciences, 2012, 38, 168-170.	2.0	194
2	Surface ruptures following the 30 October 2016 <i>M</i> _w 6.5 Norcia earthquake, central Italy. Journal of Maps, 2018, 14, 151-160.	1.0	121
3	Multiview 3D reconstruction in geosciences. Computers and Geosciences, 2012, 44, 168-176.	2.0	96
4	Coseismic ruptures of the 24 August 2016, <i>M_w</i> 6.0 Amatrice earthquake (central) Tj ETQq0	0 Q.rgBT /0	Overlock 10 T
5	Evolution of an active lava flow field using a multitemporal LIDAR acquisition. Journal of Geophysical Research, 2010, 115, .	3.3	92
6	A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy. Scientific Data, 2018, 5, 180049.	2.4	89
7	The changing face of Mount Etna's summit area documented with Lidar technology. Geophysical Research Letters, 2008, 35, .	1.5	79
8	Morphology of basaltic lava channels during the Mt. Etna September 2004 eruption from airborne laser altimeter data. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	67
9	Morphometry of scoria cones, and their relation to geodynamic setting: A DEM-based analysis. Journal of Volcanology and Geothermal Research, 2012, 217-218, 56-72.	0.8	67
10	Lava flow identification and aging by means of lidar intensity: Mount Etna case. Journal of Geophysical Research, 2007, 112 , .	3.3	58
11	TINITALY/01: a new Triangular Irregular Network of Italy. Annals of Geophysics, 2009, 50, .	0.5	56
12	Lava flow hazard and risk at Mt. Cameroon volcano. Bulletin of Volcanology, 2012, 74, 423-439.	1.1	54
13	The 10 m-resolution TINITALY DEM as a trans-disciplinary basis for the analysis of the Italian territory: Current trends and new perspectives. Geomorphology, 2017, 281, 108-115.	1.1	43
14	A new approach to risk assessment of lava flow at Mount Etna. Geology, 2009, 37, 1111-1114.	2.0	41
15	A microscopic information system (MIS) for petrographic analysis. Computers and Geosciences, 2010, 36, 665-674.	2.0	40
16	Influence of granitoid textural parameters on sediment composition: Implications for sediment generation. Sedimentary Geology, 2012, 280, 93-107.	1.0	40
17	Power law olivine crystal size distributions in lithospheric mantle xenoliths. Lithos, 2002, 65, 273-285.	0.6	39
18	The regular shape of stratovolcanoes: A DEM-based morphometrical approach. Journal of Volcanology and Geothermal Research, 2010, 193, 171-181.	0.8	39

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19	Coseismic effects of the 2016 Amatrice seismic sequence: first geological results. Annals of Geophysics, 2016, 59, .	0.5	37
20	Detecting short-term evolution of Etnean scoria cones: a LIDAR-based approach. Bulletin of Volcanology, 2010, 72, 1209-1222.	1.1	36
21	Mapping and DOWNFLOW simulation of recent lava flow fields at Mount Etna. Journal of Volcanology and Geothermal Research, 2011, 204, 27-39.	0.8	35
22	Changes of the susceptibility to lava flow invasion induced by morphological modifications of an active volcano: the case of Mount Etna, Italy. Natural Hazards, 2010, 54, 537-546.	1.6	22
23	Morphometric analysis of lava flow units: Case study over LIDAR-derived topography at Mount Etna, Italy. Journal of Volcanology and Geothermal Research, 2012, 235-236, 11-22.	0.8	22
24	Influence of fluctuating supply on the emplacement dynamics of channelized lava flows. Bulletin of Volcanology, 2014, 76, 1.	1.1	18
25	Uncertainties in lava flow hazard maps derived from numerical simulations: The case study of Mount Etna. Journal of Volcanology and Geothermal Research, 2013, 260, 90-102.	0.8	17
26	MrLavaLoba: A new probabilistic model for the simulation of lava flows as a settling process. Journal of Volcanology and Geothermal Research, 2018, 349, 323-334.	0.8	16
27	QUICK DETERMINATION OF CRYSTAL SIZE DISTRIBUTIONS OF ROCKS BY MEANS OF A COLOR SCANNER. Image Analysis and Stereology, 2003, 22, 27.	0.4	16
28	Conclusion: recommendations and findings of the RED SEED working group. Geological Society Special Publication, 2016, 426, 567-648.	0.8	12
29	Modeling lava flow propagation over a flat landscape by using MrLavaLoba: the case of the 2014–2015 eruption at Holuhraun, Iceland. Annals of Geophysics, 2018, 61, .	0.5	11
30	DOWNFLOW code and LIDAR technology for lava flow analysis and hazard assessment at Mount Etna. Annals of Geophysics, 2011, 54, .	0.5	10
31	A review of mass and energy flow through a lava flow system: insights provided from a non-equilibrium perspective. Bulletin of Volcanology, 2017, 79, 1.	1.1	9
32	Dispersion index of topographic surfaces. Geomorphology, 2012, 153-154, 169-178.	1.1	7
33	Simulating the area covered by lava flows using the DOWNFLOW code. Geological Society Special Publication, 2016, 426, 293-312.	0.8	7
34	Testing a geographical information system for damage and evacuation assessment during an effusive volcanic crisis. Geological Society Special Publication, 2016, 426, 649-672.	0.8	7
35	Combined morphological and thermal analysis of lava flows: A way to boost understanding of emplacement dynamics. Terra Nova, 2018, 30, 215-221.	0.9	1
36	Seismic lines Offshore Mount Etna (SOME): open database. Annals of Geophysics, 2017, 60, .	0.5	1