Andrea Tallarico

List of Publications by Year
in descending order

36	509	840585 11	677027 22
papers	citations	h-index	g-index

36	36	36	397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic anisotropy produced by magma flow: theoretical model and experimental data from Ferrar dolerite sills (Antarctica). Geophysical Journal International, 1997, 128, 230-240.	1.0	75
2	The effect of crystallization on the rheology and dynamics of lava flows. Journal of Volcanology and Geothermal Research, 1994, 59, 241-252.	0.8	54
3	Viscous Newtonian laminar flow in a rectangular channel: application to Etna lava flows. Bulletin of Volcanology, 1999, 61, 40-47.	1.1	48
4	A model for the formation of lava tubes by roofing over a channel. Journal of Geophysical Research, 1995, 100, 8435-8447.	3.3	42
5	A three-dimensional Bingham model for channeled lava flows. Journal of Geophysical Research, 2000, 105, 25969-25980.	3.3	29
6	Assumptions in the evaluation of lava effusion rates from heat radiation. Geophysical Research Letters, 2009, 36, .	1.5	28
7	Longitudinal deformation of a lava flow: the influence of Bingham rheology. Journal of Volcanology and Geothermal Research, 1992, 52, 247-254.	0.8	26
8	Temperature distribution inside and around a lava tube. Journal of Volcanology and Geothermal Research, 2002, 115, 43-51.	0.8	20
9	A model for the opening of ephemeral vents in a stationary lava flow. Journal of Volcanology and Geothermal Research, 1996, 74, 39-47.	0.8	15
10	Modeling of the steady-state temperature field in lava flow levÃ©es. Journal of Volcanology and Geothermal Research, 2004, 132, 241-251.	0.8	15
11	A threeâ€dimensional dynamical model for channeled lava flow with nonlinear rheology. Journal of Geophysical Research, 2010, 115, .	3.3	15
12	Role of mechanical erosion in controlling the effusion rate of basaltic eruptions. Geophysical Research Letters, 2016, 43, 8970-8977.	1.5	11
13	Relationship Between Depth of Seismicity and Heat Flow: The Case of the Gargano Area (Italy). Pure and Applied Geophysics, 2019, 176, 2383-2394.	0.8	11
14	A 1D P-wave velocity model of the Gargano promontory (south-eastern Italy). Journal of Seismology, 2017, 21, 909-919.	0.6	10
15	Seismogenic Structure Orientation and Stress Field of the Gargano Promontory (Southern Italy) From Microseismicity Analysis. Frontiers in Earth Science, 2021, 9, .	0.8	10
16	Role of heat advection in a channeled lava flow with power law, temperatureâ€dependent rheology. Journal of Geophysical Research: Solid Earth, 2013, 118, 2764-2776.	1.4	9
17	Complex events in a fault model with interacting asperities. Physics of the Earth and Planetary Interiors, 2016, 257, 115-127.	0.7	9
18	Interaction between seismic and aseismic slip along a transcurrent plate boundary: a model for seismic sequences. Physics of the Earth and Planetary Interiors, 1992, 72, 49-57.	0.7	8

#	Article	IF	Citations
19	Temperature field and heat flow around an elliptical lava tube. Journal of Volcanology and Geothermal Research, 2008, 169, 145-153.	0.8	8
20	2D kernel-based imaging of coda-Q space variations in the Gargano Promontory (Southern Italy). Physics of the Earth and Planetary Interiors, 2019, 297, 106313.	0.7	8
21	Seismicity of the Gargano promontory (Southern Italy) after 7 years of local seismic network operation: Data release of waveforms from 2013 to 2018. Data in Brief, 2021, 35, 106783.	0.5	8
22	The Stress Field in the Northern Apulia (Southern Italy), as Deduced from Microearthquake Focal Mechanisms: New Insight from Local Seismic Monitoring. Lecture Notes in Computer Science, 2020, , 914-927.	1.0	6
23	Interaction between shallow and subcrustal dislocations on a normal fault. Physics of the Earth and Planetary Interiors, 2002, 129, 67-82.	0.7	5
24	Stress Changes due to Recent Seismic Events in the Central Apennines (Italy). Pure and Applied Geophysics, 2005, 162, 2273-2298.	0.8	5
25	Magma ascent and effusion from a tensile fracture propagating to the Earth's surface. Geophysical Journal International, 2011, 186, 681-698.	1.0	5
26	Effects of the curvature of a lava channel on flow dynamics and crust formation. Geophysical Journal International, 2011, 187, 825-832.	1.0	5
27	Thermal anomaly at the Earth's surface associated with a lavaÂtube. Journal of Volcanology and Geothermal Research, 2016, 325, 148-155.	0.8	5
28	3D-Kernel Based Imaging of an Improved Estimation of (Qc) in the Northern Apulia (Southern Italy). Applied Sciences (Switzerland), 2021, 11, 7512.	1.3	4
29	Changes in lava effusion rate from a volcanic fissure due to pressure changes in the conduit. Geophysical Journal International, 2019, 216, 692-702.	1.0	3
30	A first look at the Gargano (southern Italy) seismicity as seen by the local scale OTRIONS seismic network. Annals of Geophysics, 2014, 57, .	0.5	3
31	A viscoelastic shear zone model of compressional and extensional plate boundaries. Pure and Applied Geophysics, 1993, 140, 471-491.	0.8	2
32	Simulation of lava flows with power-law rheology. Discrete and Continuous Dynamical Systems - Series S, 2012, 6, 677-685.	0.6	2
33	Seismic Envelopes of Coda Decay for Q-coda Attenuation Studies of the Gargano Promontory (Southern Italy) and Surrounding Regions. Data, 2021, 6, 98.	1.2	2
34	Cooling of a channeled lava flow with non-Newtonian rheology: crust formation and surface radiance. Annals of Geophysics, 2011, 54, .	0.5	2
35	Viscous dissipation in a flow with power law, temperatureâ€dependent rheology: Application to channeled lava flows. Journal of Geophysical Research: Solid Earth, 2017, 122, 3364-3378.	1.4	1
36	Thermal and Rheological Aspects in a Channeled Lava Flow. Mathematics in Industry, 2014, , 77-86.	0.1	0