

Silvio Giuseppe Rotolo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

882
citations

471509

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677142

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all docs

22
docs citations

22
times ranked

917
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Crystallization of a High-K Arc Basalt: the Golden Pumice, Stromboli Volcano (Italy). <i>Journal of Petrology</i> , 2006, 47, 1317-1343.	2.8	163
2	Phase Equilibrium Constraints on Pre-eruptive Conditions of Recent Felsic Explosive Volcanism at Pantelleria Island, Italy. <i>Journal of Petrology</i> , 2010, 51, 2245-2276.	2.8	73
3	Generation of CO ₂ -rich melts during basalt magma ascent and degassing. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 545-561.	3.1	72
4	Experimental Constraints on the Deep Magma Feeding System at Stromboli Volcano, Italy. <i>Journal of Petrology</i> , 2009, 50, 601-624.	2.8	71
5	Petrology and Geochemistry of Submarine Volcanism in the Sicily Channel Rift. <i>Journal of Geology</i> , 2006, 114, 355-365.	1.4	67
6	Millennial-scale phase relationships between ice-core and Mediterranean marine records: insights from high-precision ⁴⁰ Ar/ ³⁹ Ar dating of the Green Tuff of Pantelleria, Sicily Strait. <i>Quaternary Science Reviews</i> , 2013, 78, 141-154.	3.0	53
7	A revision of the structure and stratigraphy of pre-Green Tuff ignimbrites at Pantelleria (Strait of Sicily). <i>Journal of Petrology</i> , 2011, 52, 107-124.	2.1	48
8	High-resolution ⁴⁰ Ar/ ³⁹ Ar chronostratigraphy of the post-caldera (<20ka) volcanic activity at Pantelleria, Sicily Strait. <i>Earth and Planetary Science Letters</i> , 2011, 309, 280-290.	4.4	40
9	OH-related infrared absorption bands in oxide glasses. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1796-1800.	3.1	35
10	Seismic velocity structures of southern Italy from tomographic imaging of the Ionian slab and petrological inferences. <i>Geophysical Journal International</i> , 2012, 191, 751-764.	2.4	34
11	Correlation of welded ignimbrites on Pantelleria (Strait of Sicily) using paleomagnetism. <i>Bulletin of Volcanology</i> , 2012, 74, 341-357.	3.0	33
12	Volatiles in pantellerite magmas: A case study of the Green Tuff Plinian eruption (Island of Pantelleria, Sicily). <i>Journal of Petrology</i> , 2011, 52, 107-124.	2.1	32
13	Phase Equilibria of Pantelleria Trachytes (Italy): Constraints on Pre-eruptive Conditions and on the Metaluminous to Peralkaline Transition in Silicic Magmas. <i>Journal of Petrology</i> , 2018, 59, 559-588.	2.8	28
14	Geochronology of the medium to high-grade metamorphic units of the Peloritani Mts., Sicily. <i>International Journal of Earth Sciences</i> , 2003, 92, 852-872.	1.8	27
15	Transition from mildly-tholeiitic to calc-alkaline suite: the case of Chichontepec volcanic centre, El Salvador, Central America. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 86, 117-136.	2.1	25
16	Diffuse and focused carbon dioxide and methane emissions from the Sousaki geothermal system, Greece. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	21
17	Mafic and ultramafic enclaves in Ustica Island lavas: Inferences on composition of lower crust and deep magmatic processes. <i>Lithos</i> , 2005, 84, 151-167.	1.4	18
18	Cognate xenoliths in Mt. Etna lavas: witnesses of the high-velocity body beneath the volcano. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	16

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19	Cooling and crystallization recorded in trachytic enclaves hosted in pantelleritic magmas (Pantelleria, Italy): Implications for pantellerite petrogenesis. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 169-179.	2.1	16
20	Origin of primitive ultra-calcic arc melts at crustal conditions – Experimental evidence on the La Sommata basalt, Vulcano, Aeolian Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 321, 85-101.	2.1	8
21	Contrasting Styles of Inter-Caldera Volcanism in a Peralkaline System: Case Studies from Pantelleria (Sicily Channel, Italy). <i>Minerals</i> (Basel, Switzerland), 2022, 12, 406.	2.0	1