Cristina Perinelli

List of Publications by Year
in descending order

32 papers	643 citations	623734 14 h-index	580821 25 g-index
33 all docs	33 docs citations	33 times ranked	646 citing authors

#	Article	IF	Citations
1	A New Model to Estimate Deep-level Magma Ascent Rates, with Applications to Mt. Etna (Sicily, Italy). Journal of Petrology, 2013, 54, 795-813.	2.8	98
2	An improved clinopyroxene-based hygrometer for Etnean magmas and implications for eruption triggering mechanisms. American Mineralogist, 2016, 101, 2774-2777.	1.9	62
3	Cooling kinetics experiments on different Stromboli lavas: Effects on crystal morphologies and phases composition. Journal of Volcanology and Geothermal Research, 2006, 155, 179-200.	2.1	56
4	Geochemical and O-isotope constraints on the evolution of lithospheric mantle in the Ross Sea rift area (Antarctica). Contributions To Mineralogy and Petrology, 2006, 151, 245-266.	3.1	44
5	Experimental constraints on evolution of leucite-basanite magma at 1 and 10-4GPa: implications for parental compositions of Roman high-potassium magmas. European Journal of Mineralogy, 2009, 21, 763-782.	1.3	43
6	Thermal Evolution of the Lithosphere in a Rift Environment as Inferred from the Geochemistry of Mantle Cumulates, Northern Victoria Land, Antarctica. Journal of Petrology, 2011, 52, 665-690.	2.8	36
7	Clinopyroxene growth rates at high pressure: constraints on magma recharge of the deep reservoir of the Campi Flegrei Volcanic District (south Italy). Bulletin of Volcanology, 2020, 82, 1.	3.0	27
8	Redox state of subcontinental lithospheric mantle and relationships with metasomatism: insights from spinel peridotites from northern Victoria Land (Antarctica). Contributions To Mineralogy and Petrology, 2012, 164, 1053-1067.	3.1	26
9	Metasomatism of the upper mantle beneath the Hyblean Plateau (Sicily): evidence from pyroxenes and glass in peridotite xenoliths. Geological Society Special Publication, 2008, 293, 197-221.	1.3	25
10	Geothermometric study of Cr-spinels of peridotite mantle xenoliths from northern Victoria Land (Antarctica). American Mineralogist, 2014, 99, 839-846.	1.9	25
11	The 1891 submarine eruption offshore Pantelleria Island (Sicily Channel, Italy): Identification of the vent and characterization of products and eruptive style. Geochemistry, Geophysics, Geosystems, 2014, 15, 2555-2574.	2.5	22
12	Cenozoic thermal evolution of lithospheric mantle in northern Victoria Land (Antarctica): Evidences from mantle xenoliths. Tectonophysics, 2010, 486, 28-35.	2.2	21
13	Cumulate xenoliths from Mt. Overlord, northern Victoria Land, Antarctica: A window into high pressure storage and differentiation of mantle-derived basalts. Lithos, 2017, 268-271, 225-239.	1.4	18
14	Crystal size distributions of plagioclase in lavas from the Julyâ€“August 2001 Mount Etna eruption. Bulletin of Volcanology, 2015, 77, 1.	3.0	16
15	Petrological constraints on the high-Mg basalts from Capo Marargiu (Sardinia, Italy): Evidence of cryptic amphibole fractionation in polybaric environments. Journal of Volcanology and Geothermal Research, 2018, 349, 31-46.	2.1	14
16	New insights on the petrology of submarine volcanics from the Western Pontine Archipelago (Tyrrhenian Sea, Italy). Journal of Volcanology and Geothermal Research, 2016, 327, 223-239.	2.1	13
17	Experimental investigation of CO2-rich fluids production in a geothermal area: The Mt Amiata (Tuscany, Italy) case study. Chemical Geology, 2010, 274, 177-186.	3.3	11
18	Impulsive Supply of Volatile-Rich Magmas in the Shallow Plumbing System of Mt. Etna Volcano. Minerals (Basel, Switzerland), 2018, 8, 482.	2.0	11

#	Article	IF	Citations
19	Metasomatism induced by alkaline magma in the upper mantle of northern Victoria Land (Antarctica): an experimental approach. Geological Society Special Publication, 2008, 293, 279-302.	1.3	9
20	The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy). Bulletin of Volcanology, 2016, 78, 1.	3.0	9
21	Effect of water on the phase relations of primitive K-basalts: Implications for high-pressure differentiation in the Phlegraean Volcanic District magmatic system. Lithos, 2019, 342-343, 530-541.	1.4	9
22	High pressure trace element partitioning between clinopyroxene and alkali basaltic melts. Geochimica Et Cosmochimica Acta, 2021, 305, 282-305.	3.9	9
23	Isotopic Disequilibrium in Migmatitic Hornfels of the Gennargentu Igneous Complex (Sardinia, Italy) Records the Formation of Low 87Sr/86Sr Melts from a Mica-Rich Source. Journal of Petrology, 2018, 59, 1309-1328.	2.8	7
24	Amphibole growth from a primitive alkaline basalt at 0.8ÂGPa: Time-dependent compositional evolution, growth rate and competition with clinopyroxene. Lithos, 2020, 354-355, 105272.	1.4	6
25	Nature and evolution of the northern Victoria Land lithospheric mantle (Antarctica) as revealed by ultramafic xenoliths. Geological Society Memoir, 2023, 56, 57-82.	1.7	6
26	Uncommon K-foiditic magmas: The case study of Tufo del Palatino (Colli Albani Volcanic District,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.4	5
27	Alteration and Mineralization Products of the Zannone Giant Pockmark (Zannone Hydrothermal Field,) Tj ETQq1 1 0.784314 rgBT /Over	2.0	4
28	Tectonics, Dynamics, and Plioâ€Pleistocene Magmatism in the Central Tyrrhenian Sea: Insights From the Submarine Transitional Basalts of the Ventotene Volcanic Ridge (Pontine Islands, Italy). Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009346.	2.5	3
29	Experimental measurements of the viscosity and melt structure of alkali basalts at high pressure and temperature. Scientific Reports, 2022, 12, 2599.	3.3	3
30	High pressure experimental investigation of clinopyroxene dissolution in a K-basaltic melt. Chemical Geology, 2021, 584, 120533.	3.3	2
31	Numerical modelling of geothermal heat flux and ice velocity influencing the thermal conditions of the Priestley Glacier trough (northern Victoria Land, Antarctica). Geomorphology, 2021, 394, 107959.	2.6	2
32	High-resolution geological model of the gravitational deformation affecting the western slope of Mt. Epomeo (Ischia). Rendiconti Online Societa Geologica Italiana, 0, 35, 104-108.	0.3	1