

Stefano Poli

List of Publications by Year in descending order

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64
papers

6,064
citations

136740

32
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118652

62
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docs citations

68
times ranked

3937
citing authors

#	ARTICLE	IF	CITATIONS
1	Subducted organic matter buffered by marine carbonate rules the carbon isotopic signature of arc emissions. <i>Nature Communications</i> , 2022, 13, .	5.8	17
2	Anatectic melt inclusions in ultra high temperature granulites. <i>Journal of Metamorphic Geology</i> , 2021, 39, 321-342.	1.6	16
3	Petrology and U–Pb geochronology of high-grade metavolcano-sedimentary rocks from central Xolapa Complex, southern Mexico. <i>Lithos</i> , 2020, 378-379, 105802.	0.6	4
4	Melt inclusions at MT. Edixon (Antarctica): Chemistry, petrology and implications for the evolution of the Lanterman range. <i>Lithos</i> , 2020, 374-375, 105685.	0.6	5
5	Dissolution susceptibility of glass-like carbon versus crystalline graphite in high-pressure aqueous fluids and implications for the behavior of organic matter in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 383-402.	1.6	19
6	The stability and melting of aragonite: An experimental and thermodynamic model for carbonated eclogites in the mantle. <i>Lithos</i> , 2019, 324-325, 105-114.	0.6	13
7	Anatexis and fluid regime of the deep continental crust: New clues from melt and fluid inclusions in metapelitic migmatites from Ivrea Zone (NW Italy). <i>Journal of Metamorphic Geology</i> , 2019, 37, 951-975.	1.6	39
8	Experimental determination of magnesia and silica solubilities in graphite-saturated and redox-buffered high-pressure COH fluids in equilibrium with forsterite+enstatite and magnesite+enstatite. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	1.2	34
9	The redox budget of crust-derived fluid phases at the slab-mantle interface. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 70-84.	1.6	28
10	Experimental calibration of Forsterite–Anorthite–Ca-Tschermak–Enstatite (FACE) geobarometer for mantle peridotites. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	1.2	23
11	Silicate dissolution boosts the CO ₂ concentrations in subduction fluids. <i>Nature Communications</i> , 2017, 8, 616.	5.8	45
12	Melting carbonated epidote eclogites: carbonatites from subducting slabs. <i>Progress in Earth and Planetary Science</i> , 2016, 3, .	1.1	16
13	Quantitative analysis of COH fluids synthesized at HP – HT conditions: an optimized methodology to measure volatiles in experimental capsules. <i>Geofluids</i> , 2016, 16, 841-855.	0.3	16
14	Melting relations in the system FeCO ₃ –MgCO ₃ and thermodynamic modelling of Fe–Mg carbonate melts. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	8
15	High-temperature and high-pressure behavior of carbonates in the ternary diagram CaCO ₃ -MgCO ₃ -FeCO ₃ . <i>American Mineralogist</i> , 2016, 101, 1423-1430.	0.9	22
16	The composition of nanogranitoids in migmatites overlying the Ronda peridotites (Betic Cordillera, S) <i>Petrology</i> , 2016, 171, 1.	1.2	43
17	Ultra-oxidized rocks in subduction – Decoupling between oxygen fugacity and oxygen availability in a Mn-rich metasomatic environment. <i>Lithos</i> , 2015, 226, 116-130.	0.6	47
18	Melting of siderite to 20GPa and thermodynamic properties of FeCO ₃ -melt. <i>Chemical Geology</i> , 2015, 400, 34-43.	1.4	34

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19	Carbon mobilized at shallow depths in subduction zones by carbonatitic liquids. <i>Nature Geoscience</i> , 2015, 8, 633-636.	5.4	146
20	Evidence of interspersed co-existing CaCO ₃ -III and CaCO ₃ -IIIb structures in polycrystalline CaCO ₃ at high pressure. <i>Mineralogical Magazine</i> , 2014, 78, 225-233.	0.6	30
21	Dolomite discloses a hidden history of subducting slabs. <i>American Mineralogist</i> , 2014, 99, 879-880.	0.9	3
22	The high-pressure stability of chlorite and other hydrates in subduction magmas: experiments in the system Cr ₂ O ₃ -MgO-Al ₂ O ₃ -SiO ₂ -H ₂ O. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	27
23	Devolatilization During Subduction. , 2014, , 669-701.		194
24	The H ₂ O content of granite embryos. <i>Earth and Planetary Science Letters</i> , 2014, 395, 281-290.	1.8	64
25	Evidence for deep subduction of Austroalpine crust (Texel Complex, NE Italy). <i>Rendiconti Lincei</i> , 2013, 24, 163-176.	1.0	10
26	Recovering the composition of melt and the fluid regime at the onset of crustal anatexis and S-type granite formation. <i>Geology</i> , 2013, 41, 115-118.	2.0	84
27	An Experimental Study on COH-bearing Peridotite up to 3.2 GPa and Implications for Crust-Mantle Recycling. <i>Journal of Petrology</i> , 2013, 54, 453-479.	1.1	101
28	Nanogranite inclusions in migmatitic garnet: behavior during piston-cylinder remelting experiments. <i>Geofluids</i> , 2013, 13, 405-420.	0.3	54
29	The temperature and compositional dependence of disordering in Fe-bearing dolomites. <i>American Mineralogist</i> , 2012, 97, 1676-1684.	0.9	16
30	Iron oxidation state in garnet from a subduction setting: a micro-XANES and electron microprobe (ε-flank method) comparative study. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1725.	1.6	27
31	Fe ³⁺ distribution between garnet and pyroxenes in mantle wedge carbonate-bearing garnet peridotites (Sulu, China) and implications for their oxidation state. <i>Lithos</i> , 2012, 146-147, 11-17.	0.6	18
32	A new hydrous Al-bearing pyroxene as a water carrier in subduction zones. <i>Earth and Planetary Science Letters</i> , 2011, 310, 422-428.	1.8	32
33	Ternary Ca-Fe-Mg carbonates: subsolidus phase relations at 3.5 GPa and a thermodynamic solid solution model including order/disorder. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 213-227.	1.2	66
34	Behavior of epidote at high pressure and high temperature: a powder diffraction study up to 10 GPa and 1,200 K. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 419-428.	0.3	21
35	The oxidation state of mantle wedge majoritic garnet websterites metasomatized by C-bearing subduction fluids. <i>Earth and Planetary Science Letters</i> , 2010, 298, 417-426.	1.8	61
36	The Shanderman eclogites: a Late Carboniferous high-pressure event in the NW Tianshan Mountains (NW Tj ETQq0 0,0,rgBT /Overlock 10	0.8	46

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37	The Oxidation State of Metasomatized Mantle Wedge: Insights from C-O-H-bearing Garnet Peridotite. <i>Journal of Petrology</i> , 2009, 50, 1533-1552.	1.1	79
38	An Experimental Determination of the Effect of Bulk Composition on Phase Relationships in Metasediments at Near-solidus Conditions. <i>Journal of Petrology</i> , 2009, 50, 909-931.	1.1	13
39	Alkali in phlogopite and amphibole and their effects on phase relations in metasomatized peridotites: a high-pressure study. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 723-737.	1.2	92
40	The transport of carbon and hydrogen in subducted oceanic crust: An experimental study to 5ÂGPa. <i>Earth and Planetary Science Letters</i> , 2009, 278, 350-360.	1.8	165
41	High-temperature phase relations and topological constraints in the quaternary system MgO-Al ₂ O ₃ -SiO ₂ -Cr ₂ O ₃ : An experimental study. <i>American Mineralogist</i> , 2007, 92, 735-747.	0.9	11
42	Syn-deformational migmatites and magmatic-arc metamorphism in the Xolapa Complex, southern Mexico. <i>Journal of Metamorphic Geology</i> , 2006, 24, 169-191.	1.6	38
43	4. Experimental Subsolidus Studies on Epidote Minerals. , 2004, , 171-196.		6
44	Magmatic Epidote. <i>Reviews in Mineralogy and Geochemistry</i> , 2004, 56, 399-430.	2.2	112
45	Eclogite-facies vein systems in the Marun-Keu complex (Polar Urals, Russia): textural, chemical and thermal constraints for patterns of fluid flow in the lower crust. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 484-504.	1.2	24
46	Experimental Subsolidus Studies on Epidote Minerals. <i>Reviews in Mineralogy and Geochemistry</i> , 2004, 56, 171-195.	2.2	52
47	Generation of Mobile Components during Subduction of Oceanic Crust. , 2003, , 567-591.		111
48	Petrology of Subducted Slabs. <i>Annual Review of Earth and Planetary Sciences</i> , 2002, 30, 207-235.	4.6	511
49	The 10Å... phase: a high-pressure expandable sheet silicate stable during subduction of hydrated lithosphere. <i>Earth and Planetary Science Letters</i> , 2001, 186, 125-141.	1.8	104
50	Mantle exhumation along the Tirich Mir Fault Zone, NW Pakistan: pre-mid-Cretaceous accretion of the Karakoram terrane to the Asian margin. <i>Geological Society Special Publication</i> , 2000, 170, 237-252.	0.8	40
51	Carbonate stability and fluid composition in subducted oceanic crust: an experimental study on H ₂ Oâ€CO ₂ -bearing basalts. <i>Earth and Planetary Science Letters</i> , 2000, 176, 295-310.	1.8	194
52	The crystal structure of Mg ₈ (Mg ₂ Al ₂)Al ₈ Si ₁₂ (O,OH) ₅₆ pumpellyite and its relevance in ultramafic systems at high pressure. <i>American Mineralogist</i> , 1999, 84, 1906-1914.	0.9	20
53	The high-pressure stability of zoisite and phase relationships of zoisite-bearing assemblages. <i>Contributions To Mineralogy and Petrology</i> , 1998, 130, 162-175.	1.2	84
54	Experimentally based water budgets for dehydrating slabs and consequences for arc magma generation. <i>Earth and Planetary Science Letters</i> , 1998, 163, 361-379.	1.8	1,907

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55	Singular Equilibria in Paragonite Blueschists, Amphibolites and Eclogites. <i>Journal of Petrology</i> , 1998, 39, 1325-1346.	1.1	18
56	The high-pressure stability of hydrous phases in orogenic belts: an experimental approach on eclogite-forming processes. <i>Tectonophysics</i> , 1997, 273, 169-184.	0.9	70
57	H ₂ O transport and release in subduction zones: Experimental constraints on basaltic and andesitic systems. <i>Journal of Geophysical Research</i> , 1995, 100, 22299-22314.	3.3	350
58	The stability of lawsonite and zoisite at high pressures: Experiments in CASH to 92 kbar and implications for the presence of hydrous phases in subducted lithosphere. <i>Earth and Planetary Science Letters</i> , 1994, 124, 105-118.	1.8	135
59	The amphibolite-eclogite transformation; an experimental study on basalt. <i>Numerische Mathematik</i> , 1993, 293, 1061-1107.	0.7	132
60	A comment on 'Calcic amphibole equilibria and a new amphibole-plagioclase geothermometer' by J.D. Blundy and T.J.B. Holland (<i>Contrib Mineral Petrol</i> (1990) 104: 208-224). <i>Contributions To Mineralogy and Petrology</i> , 1992, 111, 273-278.	1.2	24
61	Reaction spaces and P-T paths: from amphibole eclogite to greenschist facies in the Austroalpine domain (Oetztal Complex). <i>Contributions To Mineralogy and Petrology</i> , 1991, 106, 399-416.	1.2	22
62	Time dimension in the geochemical approach and hazard estimates of a volcanic area: The isle of Ischia case (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 1989, 36, 327-335.	0.8	26
63	Continental arc volcanism and tectonic setting in Central Anatolia, Turkey. <i>Tectonophysics</i> , 1988, 146, 217-230.	0.9	182
64	Chemistry versus time in the volcanic complex of Ischia (Gulf of Naples, Italy): evidence of successive magmatic cycles. <i>Contributions To Mineralogy and Petrology</i> , 1987, 95, 322-335.	1.2	101