Costanza Bonadiman

List of Publications by Year
in descending order

39 papers	1,786 citations	361413 20 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	1318 citing authors

#	Article	IF	Citations
1	Carbonatite Metasomatism of the Oceanic Upper Mantle: Evidence from Clinopyroxenes and Glasses in Ultramafic Xenoliths of Grande Comore, Indian Ocean. Journal of Petrology, 1999, 40, 133-165.	2.8	405
2	Amphiboles from suprasubduction and intraplate lithospheric mantle. Lithos, 2007, 99, 68-84.	1.4	157
3	Amphibole genesis via metasomatic reaction with clinopyroxene in mantle xenoliths from Victoria Land, Antarctica. Lithos, 2004, 75, 115-139.	1.4	114
4	Coexisting anorogenic and subduction-related metasomatism in mantle xenoliths from the Betic Cordillera (southern Spain). Lithos, 2004, 75, 67-87.	1.4	112
5	Kimberlite-like Metasomatism and â€˜Garnet Signatureâ€™ in Spinel-peridotite Xenoliths from Sal, Cape Verde Archipelago: Relics of a Subcontinental Mantle Domain within the Atlantic Oceanic Lithosphere?. Journal of Petrology, 2005, 46, 2465-2493.	2.8	101
6	Glasses in mantle xenoliths as geochemical indicators of metasomatic agents. Earth and Planetary Science Letters, 2000, 183, 303-320.	4.4	97
7	Ultra-refractory Domains in the Oceanic Mantle Lithosphere Sampled as Mantle Xenoliths at Ocean Islands. Journal of Petrology, 2008, 49, 1223-1251.	2.8	71
8	Evidence of diverse depletion and metasomatic events in harzburgiteâ€“lherzolite mantle xenoliths from the Iberian plate (Olot, NE Spain): Implications for lithosphere accretionary processes. Lithos, 2007, 94, 25-45.	1.4	64
9	Plagioclase as archive of magma ascent dynamics on â€œopen conduitâ€•volcanoes: The 2001â€“2006 eruptive period at Mt. Etna. Earth-Science Reviews, 2014, 138, 371-393.	9.1	62
10	Water contents of pyroxenes in intraplate lithospheric mantle. European Journal of Mineralogy, 2009, 21, 637-647.	1.3	61
11	Depletion Events, Nature of Metasomatizing Agent and Timing of Enrichment Processes in Lithospheric Mantle Xenoliths from the Veneto Volcanic Province. Journal of Petrology, 2001, 42, 173-188.	2.8	54
12	Buoyant ancient continental mantle embedded in oceanic lithosphere (Sal Island, Cape Verde) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.4	53
13	The lithospheric mantle and lower crustâ€“mantle relationships under Scotland: a xenolithic perspective. Journal of the Geological Society, 2011, 168, 873-886.	2.1	43
14	Petrogenesis and T-fO2 estimates of Mt. Monzoni complex (Central Dolomites, Southern Alps): a Triassic shoshonitic intrusion in a transcurrent geodynamic setting. European Journal of Mineralogy, 1994, 6, 943-966.	1.3	39
15	Influence of speciation distribution and particle size on heavy metal leaching from MSWI fly ash. Waste Management, 2022, 138, 318-327.	7.4	38
16	Slab melt and intraplate metasomatism in Kapfenstein mantle xenoliths (Styrian Basin, Austria). Lithos, 2007, 94, 66-89.	1.4	36
17	Crystal chemistry of amphiboles: implications for oxygen fugacity and water activity in lithospheric mantle beneath Victoria Land, Antarctica. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	35
18	The role of eclogite in the rift-related metasomatism and Cenozoic magmatism of Northern Victoria Land, Antarctica. Lithos, 2011, 124, 319-330.	1.4	28

#	Article	IF	Citations
19	Mantle metasomatism by melts of HIMU piclogite components: new insights from Fe-lherzolite xenoliths (Calatrava Volcanic District, central Spain). Geological Society Special Publication, 2010, 337, 107-124.	1.3	26
20	The Alkaline Lamprophyres of the Dolomitic Area (Southern Alps, Italy): Markers of the Late Triassic Change from Orogenic-like to Anorogenic Magmatism. Journal of Petrology, 2019, 60, 1263-1298.	2.8	23
21	Oceanic Material Recycled within the Sub-Patagonian Lithospheric Mantle (Cerro del Fraile,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.8	22
22	Intrusion of shoshonitic magmas at shallow crustal depth: Tâ€“P path, H2O estimates, and AFC modeling of the Middle Triassic Predazzo Intrusive Complex (Southern Alps, Italy). Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	21
23	The nature of the West Antarctic Rift System as revealed by noble gases in mantle minerals. Chemical Geology, 2019, 524, 104-118.	3.3	15
24	Intraplate magmatism at a convergent plate boundary: The case of the Cenozoic northern Adria magmatism. Earth-Science Reviews, 2019, 192, 355-378.	9.1	15
25	Pervasive, tholeiitic refertilisation and heterogeneous metasomatism in Northern Victoria Land lithospheric mantle (Antarctica). Lithos, 2016, 248-251, 493-505.	1.4	12
26	Petrological Evolution of the European Lithospheric Mantle: from Archean to Present Day. Journal of Petrology, 2009, 50, 1181-1184.	2.8	11
27	The evolution of the mantle source beneath Mt. Etna (Sicily, Italy): from the 600 ka tholeiites to the recent trachybasaltic magmas. International Geology Review, 2020, 62, 338-359.	2.1	11
28	Palaeozoic subduction-related and kimberlite or carbonatite metasomatism in the Scottish lithospheric mantle. Geological Society Special Publication, 2008, 293, 303-333.	1.3	9
29	Lower mantle hydrogen partitioning between periclase and perovskite: A quantum chemical modelling. Geochimica Et Cosmochimica Acta, 2016, 173, 304-318.	3.9	8
30	Oxo-amphiboles in mantle xenoliths: evidence for H2O-rich melt interacting with the lithospheric mantle of Harrow Peaks (Northern Victoria Land, Antarctica). Mineralogy and Petrology, 2015, 109, 741-759.	1.1	6
31	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
32	MSWI Fly Ash Multiple Washing: Kinetics of Dissolution in Water, as Function of Time, Temperature and Dilution. Minerals (Basel, Switzerland), 2022, 12, 742.	2.0	6
33	Fe-periclase reactivity at Earthâ€™s lower mantle conditions: Ab-initio geochemical modelling. Geochimica Et Cosmochimica Acta, 2017, 214, 14-29.	3.9	4
34	Aluminium distribution in an Earthâ€™s nonâ€“primitive lower mantle. Geochimica Et Cosmochimica Acta, 2020, 276, 70-91.	3.9	4
35	F/OH ratio in a rare fluorine-poor blue topaz from Padre ParaÃso (Minas Gerais, Brazil) to unravel topazâ€™s ambient of formation. Scientific Reports, 2021, 11, 2666.	3.3	3
36	Mass balance vs Rietveld refinement to determine the modal composition of ultramafic rocks: The case study of mantle peridotites from Northern Victoria Land (Antarctica). Tectonophysics, 2015, 650, 144-155.	2.2	2

#	Article	IF	Citations
37	Ferri-kaersutite, NaCa₂(Mg₃TiFe³⁺)(Si₆Al₂)O₂₂O₂, a new oxo-amphibole from Harrow Peaks, Northern Victoria Land, Antarctica. American Mineralogist, 2016, 101, 461-468.	1.9	2
38	The preservation of the Agoudal impact crater, Morocco, under a landslide: Indication of a genetic link between shatter cones and meteorite fragments. Geomorphology, 2017, 295, 76-83.	2.6	2
39	An insight into the first stages of the Ferrar magmatism: ultramafic cumulates from Harrow Peaks, northern Victoria Land, Antarctica. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	2