

# Costanza Bonadiman

## List of Publications by Year in descending order

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39  
papers

1,786  
citations

361413

20  
h-index

289244

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g-index

41  
all docs

41  
docs citations

41  
times ranked

1318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature and evolution of the northern Victoria Land lithospheric mantle (Antarctica) as revealed by ultramafic xenoliths. <i>Geological Society Memoir</i> , 2023, 56, 57-82.	1.7	6
2	Influence of speciation distribution and particle size on heavy metal leaching from MSWI fly ash. <i>Waste Management</i> , 2022, 138, 318-327.	7.4	38
3	MSWI Fly Ash Multiple Washing: Kinetics of Dissolution in Water, as Function of Time, Temperature and Dilution. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 742.	2.0	6
4	F/OH ratio in a rare fluorine-poor blue topaz from Padre Paraíso (Minas Gerais, Brazil) to unravel topaz's ambient of formation. <i>Scientific Reports</i> , 2021, 11, 2666.	3.3	3
5	The evolution of the mantle source beneath Mt. Etna (Sicily, Italy): from the 600 ka tholeiites to the recent trachybasaltic magmas. <i>International Geology Review</i> , 2020, 62, 338-359.	2.1	11
6	Aluminium distribution in an Earth's non-primitive lower mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 70-91.	3.9	4
7	The nature of the West Antarctic Rift System as revealed by noble gases in mantle minerals. <i>Chemical Geology</i> , 2019, 524, 104-118.	3.3	15
8	The Alkaline Lamprophyres of the Dolomitic Area (Southern Alps, Italy): Markers of the Late Triassic Change from Orogenic-like to Anorogenic Magmatism. <i>Journal of Petrology</i> , 2019, 60, 1263-1298.	2.8	23
9	An insight into the first stages of the Ferrar magmatism: ultramafic cumulates from Harrow Peaks, northern Victoria Land, Antarctica. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	2
10	Intraplate magmatism at a convergent plate boundary: The case of the Cenozoic northern Adria magmatism. <i>Earth-Science Reviews</i> , 2019, 192, 355-378.	9.1	15
11	Intrusion of shoshonitic magmas at shallow crustal depth: T <sub>2</sub> P path, H <sub>2</sub> O estimates, and AFC modeling of the Middle Triassic Predazzo Intrusive Complex (Southern Alps, Italy). <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	3.1	21
12	Fe-periclase reactivity at Earth's lower mantle conditions: Ab-initio geochemical modelling. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 214, 14-29.	3.9	4
13	The preservation of the Agoudal impact crater, Morocco, under a landslide: Indication of a genetic link between shatter cones and meteorite fragments. <i>Geomorphology</i> , 2017, 295, 76-83.	2.6	2
14	Pervasive, tholeiitic refertilisation and heterogeneous metasomatism in Northern Victoria Land lithospheric mantle (Antarctica). <i>Lithos</i> , 2016, 248-251, 493-505.	1.4	12
15	Ferri-kaersutite, NaCa <sub>2</sub> (Mg <sub>3</sub> TiFe <sup>3+</sup> )(Si <sub>6</sub> Al <sub>2</sub> )O <sub>22</sub> O <sub>2</sub> , a new oxo-amphibole from Harrow Peaks, Northern Victoria Land, Antarctica. <i>American Mineralogist</i> , 2016, 101, 461-468.	1.9	2
16	Lower mantle hydrogen partitioning between periclase and perovskite: A quantum chemical modelling. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 173, 304-318.	3.9	8
17	Mass balance vs Rietveld refinement to determine the modal composition of ultramafic rocks: The case study of mantle peridotites from Northern Victoria Land (Antarctica). <i>Tectonophysics</i> , 2015, 650, 144-155.	2.2	2
18	Oxo-amphiboles in mantle xenoliths: evidence for H <sub>2</sub> O-rich melt interacting with the lithospheric mantle of Harrow Peaks (Northern Victoria Land, Antarctica). <i>Mineralogy and Petrology</i> , 2015, 109, 741-759.	1.1	6

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19	Plagioclase as archive of magma ascent dynamics on "open conduit" volcanoes: The 2001-2006 eruptive period at Mt. Etna. <i>Earth-Science Reviews</i> , 2014, 138, 371-393.	9.1	62
20	Crystal chemistry of amphiboles: implications for oxygen fugacity and water activity in lithospheric mantle beneath Victoria Land, Antarctica. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	35
21	Oceanic Material Recycled within the Sub-Patagonian Lithospheric Mantle (Cerro del Fraile, ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	2.8	22
22	The role of eclogite in the rift-related metasomatism and Cenozoic magmatism of Northern Victoria Land, Antarctica. <i>Lithos</i> , 2011, 124, 319-330.	1.4	28
23	The lithospheric mantle and lower crust-mantle relationships under Scotland: a xenolithic perspective. <i>Journal of the Geological Society</i> , 2011, 168, 873-886.	2.1	43
24	Buoyant ancient continental mantle embedded in oceanic lithosphere (Sal Island, Cape Verde) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542</i>	1.4	53
25	Mantle metasomatism by melts of HIMU piclogite components: new insights from Fe-lherzolite xenoliths (Calatrava Volcanic District, central Spain). <i>Geological Society Special Publication</i> , 2010, 337, 107-124.	1.3	26
26	Water contents of pyroxenes in intraplate lithospheric mantle. <i>European Journal of Mineralogy</i> , 2009, 21, 637-647.	1.3	61
27	Petrological Evolution of the European Lithospheric Mantle: from Archean to Present Day. <i>Journal of Petrology</i> , 2009, 50, 1181-1184.	2.8	11
28	Ultra-refractory Domains in the Oceanic Mantle Lithosphere Sampled as Mantle Xenoliths at Ocean Islands. <i>Journal of Petrology</i> , 2008, 49, 1223-1251.	2.8	71
29	Palaeozoic subduction-related and kimberlite or carbonatite metasomatism in the Scottish lithospheric mantle. <i>Geological Society Special Publication</i> , 2008, 293, 303-333.	1.3	9
30	Evidence of diverse depletion and metasomatic events in harzburgite-lherzolite mantle xenoliths from the Iberian plate (Olot, NE Spain): Implications for lithosphere accretionary processes. <i>Lithos</i> , 2007, 94, 25-45.	1.4	64
31	Slab melt and intraplate metasomatism in Kapfenstein mantle xenoliths (Styrian Basin, Austria). <i>Lithos</i> , 2007, 94, 66-89.	1.4	36
32	Amphiboles from suprasubduction and intraplate lithospheric mantle. <i>Lithos</i> , 2007, 99, 68-84.	1.4	157
33	Kimberlite-like Metasomatism and "Garnet Signature"™ in Spinel-peridotite Xenoliths from Sal, Cape Verde Archipelago: Relics of a Subcontinental Mantle Domain within the Atlantic Oceanic Lithosphere?. <i>Journal of Petrology</i> , 2005, 46, 2465-2493.	2.8	101
34	Coexisting anorogenic and subduction-related metasomatism in mantle xenoliths from the Betic Cordillera (southern Spain). <i>Lithos</i> , 2004, 75, 67-87.	1.4	112
35	Amphibole genesis via metasomatic reaction with clinopyroxene in mantle xenoliths from Victoria Land, Antarctica. <i>Lithos</i> , 2004, 75, 115-139.	1.4	114
36	Depletion Events, Nature of Metasomatizing Agent and Timing of Enrichment Processes in Lithospheric Mantle Xenoliths from the Veneto Volcanic Province. <i>Journal of Petrology</i> , 2001, 42, 173-188.	2.8	54

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37	Glasses in mantle xenoliths as geochemical indicators of metasomatic agents. Earth and Planetary Science Letters, 2000, 183, 303-320.	4.4	97
38	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
39	Petrogenesis and T-fO <sub>2</sub> 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