

# Daniele Brunelli

## List of Publications by Year in descending order

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46  
papers

2,329  
citations

218592

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233338

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all docs

48  
docs citations

48  
times ranked

2180  
citing authors

#	ARTICLE	IF	CITATIONS
1	The singular St. Peter and St. Paul Archipelago, equatorial Atlantic, Brazil. , 2022, , 121-165.		1
2	Mantle heterogeneities produced by open-system melting and melt/rock reactions in Patagonian extra-Andean backarc mantle (Paso de Indios, Argentina). Journal of South American Earth Sciences, 2021, 106, 103002.	0.6	1
3	Occurrence and characterization of tremolite asbestos from the Mid Atlantic Ridge. Scientific Reports, 2021, 11, 6285.	1.6	9
4	Semibrittle seismic deformation in high-temperature mantle mylonite shear zone along the Romanche transform fault. Science Advances, 2021, 7, .	4.7	14
5	Postmelting hydrogen enrichment in the oceanic lithosphere. Science Advances, 2021, 7, .	4.7	6
6	Origin of oceanic ferrodiorites by injection of nelsonitic melts in gabbros at the Vema Lithospheric Section, Mid Atlantic Ridge. Lithos, 2020, 368-369, 105589.	0.6	11
7	High H <sub>2</sub> O Content in Pyroxenes of Residual Mantle Peridotites at a Mid Atlantic Ridge Segment. Scientific Reports, 2020, 10, 579.	1.6	8
8	Mineralogical and Chemical Investigations of the Amguid Crater (Algeria): Is there Evidence on an Impact Origin?. Geosciences (Switzerland), 2020, 10, 107.	1.0	0
9	Archaeometric characterization of prehistoric pottery from BaĠsrija, Malta. Journal of Archaeological Science: Reports, 2019, 27, 101938.	0.2	2
10	Geoarchaeological Evidence of Middle-Age Tsunamis at Stromboli and Consequences for the Tsunami Hazard in the Southern Tyrrhenian Sea. Scientific Reports, 2019, 9, 677.	1.6	31
11	Sodium–chromium covariation in residual clinopyroxenes from abyssal peridotites sampled in the 43°–46°E region of the Southwest Indian Ridge. Lithos, 2018, 302-303, 142-157.	0.6	16
12	Abiotic formation of condensed carbonaceous matter in the hydrating oceanic crust. Nature Communications, 2018, 9, 5049.	5.8	39
13	Mineralizations and transition metal mobility driven by organic carbon during low-temperature serpentinization. Lithos, 2018, 323, 262-276.	0.6	9
14	Thermal effects of pyroxenites on mantle melting below mid-ocean ridges. Nature Geoscience, 2018, 11, 520-525.	5.4	46
15	C <sup>4</sup> Plant Foraging in Northern Italy: Stable Isotopes, Sr/Ca and Ba/Ca Data of Human Osteological Samples from Roccapelago (16th–18th Centuries AD). Archaeometry, 2017, 59, 1119-1134.	0.6	17
16	In situ high spatial resolution 87 Sr/ 86 Sr ratio determination of two Middle Pleistocene (c.a. 580 ka) Stephanorhinus hundsheimensis teeth by LA-MC-ICP-MS. International Journal of Mass Spectrometry, 2017, 412, 38-48.	0.7	51
17	p-XRF analysis of multi-period Impasto and Cooking Pot wares from the excavations at Stromboli-San Vincenzo, Aeolian Islands, Italy. Science and Technology of Archaeological Research, 2017, 3, 326-333.	2.4	5
18	Extreme mantle uplift and exhumation along a transpressive transform fault. Nature Geoscience, 2016, 9, 619-623.	5.4	70

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19	Effect of melt/mantle interactions on MORB chemistry at the easternmost Southwest Indian Ridge (61°E–67°E). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4605-4640.	1.0	36
20	Short-scale variability of the SCLM beneath the extra-Andean back-arc (Paso de Indios, Argentina): Evidence from spinel-facies mantle xenoliths. <i>Open Geosciences</i> , 2015, 7, .	0.6	12
21	Percolation of enriched melts during incremental open-system melting in the spinel field: A REE approach to abyssal peridotites from the Southwest Indian Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 190-203.	1.6	32
22	Bronze Age pottery from the Aeolian Islands: definition of Temper Compositional Reference Units by an integrated mineralogical and microchemical approach. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 855-863.	1.1	14
23	Serpentinization of mantle peridotites along an uplifted lithospheric section, Mid Atlantic Ridge at 11° N. <i>Lithos</i> , 2013, 178, 3-23.	0.6	64
24	Low temperature hydrothermal oil and associated biological precursors in serpentinites from Mid-Ocean Ridge. <i>Lithos</i> , 2013, 178, 84-95.	0.6	24
25	Continuous exhumation of mantle-derived rocks at the Southwest Indian Ridge for 11 million years. <i>Nature Geoscience</i> , 2013, 6, 314-320.	5.4	224
26	Post-Mesozoic Rapid Increase of Seawater Mg/Ca due to Enhanced Mantle-Seawater Interaction. <i>Scientific Reports</i> , 2013, 3, 2752.	1.6	26
27	Life in the hydrated suboceanic mantle. <i>Nature Geoscience</i> , 2012, 5, 133-137.	5.4	102
28	Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	112
29	Multiscale chemical heterogeneities beneath the eastern Southwest Indian Ridge (52°E-68°E): Trace element compositions of along-axis dredged peridotites. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	48
30	Tectono-magmatic response to major convergence changes in the North Patagonian suprasubduction system; the Paleogene subduction–transcurrent plate margin transition. <i>Tectonophysics</i> , 2011, 509, 218-237.	0.9	68
31	La Galite Archipelago (Tunisia, North Africa): Stratigraphic and petrographic revision and insights for geodynamic evolution of the Maghreb Chain. <i>Journal of African Earth Sciences</i> , 2010, 56, 15-28.	0.9	40
32	Asthenospheric percolation of alkaline melts beneath the St. Paul region (Central Atlantic Ocean). <i>Earth and Planetary Science Letters</i> , 2010, 289, 393-405.	1.8	42
33	Formation of Highly Refractory Dunite by Focused Percolation of Pyroxenite-Derived Melt in the Balmuccia Peridotite Massif (Italy). <i>Journal of Petrology</i> , 2009, 50, 1205-1233.	1.1	45
34	Geochemistry of a long in-situ section of intrusive slow-spread oceanic lithosphere: Results from IODP Site U1309 (Atlantis Massif, 30°N Mid-Atlantic-Ridge). <i>Earth and Planetary Science Letters</i> , 2009, 279, 110-122.	1.8	144
35	26 million years of mantle upwelling below a segment of the Mid Atlantic Ridge: The Vema Lithospheric Section revisited. <i>Earth and Planetary Science Letters</i> , 2009, 285, 87-95.	1.8	35
36	A 19 to 17 Ma amagmatic extension event at the Mid-Atlantic Ridge: Ultramafic mylonites from the Vema Lithospheric Section. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	19

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37	Stacked gabbro units and intervening mantle: A detailed look at a section of IODP Leg 305, Hole U1309D. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	91
38	Oceanic core complexes and crustal accretion at slow-spreading ridges. <i>Geology</i> , 2007, 35, 623.	2.0	302
39	Investigation of the Andrew Bain transform fault zone (African-Antarctic region). <i>Doklady Earth Sciences</i> , 2007, 416, 991-994.	0.2	2
40	Discontinuous Melt Extraction and Weak Refertilization of Mantle Peridotites at the Vema Lithospheric Section (Mid-Atlantic Ridge). <i>Journal of Petrology</i> , 2006, 47, 745-771.	1.1	147
41	Flexural uplift of a lithospheric slab near the Vema transform (Central Atlantic): Timing and mechanisms. <i>Earth and Planetary Science Letters</i> , 2005, 240, 642-655.	1.8	69
42	Oceanic crust generated by elusive parents: Sr and Nd isotopes in basalt-peridotite pairs from the Mid-Atlantic Ridge. <i>Geology</i> , 2004, 32, 657.	2.0	75
43	Talc-rich hydrothermal rocks from the St. Paul and Conrad fracture zones in the Atlantic Ocean. <i>European Journal of Mineralogy</i> , 2004, 16, 73-83.	0.4	40
44	Mantle peridotites from the Bouvet Triple Junction Region, South Atlantic. <i>Terra Nova</i> , 2003, 15, 194-203.	0.9	26
45	Mantle thermal pulses below the Mid-Atlantic Ridge and temporal variations in the formation of oceanic lithosphere. <i>Nature</i> , 2003, 423, 499-505.	13.7	107
46	Steady-state creation of crust-free lithosphere at cold spots in mid-ocean ridges. <i>Geology</i> , 2001, 29, 979.	2.0	34