Daniele Brunelli

List of Publications by Year
in descending order

46 papers	2,329 citations	218592 26 h-index	233338 45 g-index
48 all docs	48 docs citations	48 times ranked	2180 citing authors

#	Article	IF	Citations
1	Oceanic core complexes and crustal accretion at slow-spreading ridges. Geology, 2007, 35, 623.	2.0	302
2	Continuous exhumation of mantle-derived rocks at the Southwest Indian Ridge for 11 million years. Nature Geoscience, 2013, 6, 314-320.	5.4	224
3	Discontinuous Melt Extraction and Weak Refertilization of Mantle Peridotites at the Vema Lithospheric Section (Mid-Atlantic Ridge). Journal of Petrology, 2006, 47, 745-771.	1.1	147
4	Geochemistry of a long in-situ section of intrusive slow-spread oceanic lithosphere: Results from IODP Site U1309 (Atlantis Massif, 30Â°N Mid-Atlantic-Ridge). Earth and Planetary Science Letters, 2009, 279, 110-122.	1.8	144
5	Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30Â°N. Journal of Geophysical Research, 2011, 116, .	3.3	112
6	Mantle thermal pulses below the Mid-Atlantic Ridge and temporal variations in the formation of oceanic lithosphere. Nature, 2003, 423, 499-505.	13.7	107
7	Life in the hydrated suboceanic mantle. Nature Geoscience, 2012, 5, 133-137.	5.4	102
8	Stacked gabbro units and intervening mantle: A detailed look at a section of IODP Leg 305, Hole U1309D. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	91
9	Oceanic crust generated by elusive parents: Sr and Nd isotopes in basalt-peridotite pairs from the Mid-Atlantic Ridge. Geology, 2004, 32, 657.	2.0	75
10	Extreme mantle uplift and exhumation along a transpressive transform fault. Nature Geoscience, 2016, 9, 619-623.	5.4	70
11	Flexural uplift of a lithospheric slab near the Vema transform (Central Atlantic): Timing and mechanisms. Earth and Planetary Science Letters, 2005, 240, 642-655.	1.8	69
12	Tectono-magmatic response to major convergence changes in the North Patagonian suprasubduction system; the Paleogene subductionâ€“transcurrent plate margin transition. Tectonophysics, 2011, 509, 218-237.	0.9	68
13	Serpentinization of mantle peridotites along an uplifted lithospheric section, Mid Atlantic Ridge at 11Â° N. Lithos, 2013, 178, 3-23.	0.6	64
14	In situ high spatial resolution 87 Sr/ 86 Sr ratio determination of two Middle Pleistocene (c.a. 580 ka) Stephanorhinus hundsheimensis teeth by LAâ€“MCâ€“ICPâ€“MS. International Journal of Mass Spectrometry, 2017, 412, 38-48.	0.7	51
15	Multiscale chemical heterogeneities beneath the eastern Southwest Indian Ridge (52Â°E-68Â°E): Trace element compositions of along-axis dredged peridotites. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	48
16	Thermal effects of pyroxenites on mantle melting below mid-ocean ridges. Nature Geoscience, 2018, 11, 520-525.	5.4	46
17	Formation of Highly Refractory Dunite by Focused Percolation of Pyroxenite-Derived Melt in the Balmuccia Peridotite Massif (Italy). Journal of Petrology, 2009, 50, 1205-1233.	1.1	45
18	Asthenospheric percolation of alkaline melts beneath the St. Paul region (Central Atlantic Ocean). Earth and Planetary Science Letters, 2010, 289, 393-405.	1.8	42

#	Article	IF	Citations
19	Talc-rich hydrothermal rocks from the St. Paul and Conrad fracture zones in the Atlantic Ocean. European Journal of Mineralogy, 2004, 16, 73-83.	0.4	40
20	La Galite Archipelago (Tunisia, North Africa): Stratigraphic and petrographic revision and insights for geodynamic evolution of the Maghrebian Chain. Journal of African Earth Sciences, 2010, 56, 15-28.	0.9	40
21	Abiotic formation of condensed carbonaceous matter in the hydrating oceanic crust. Nature Communications, 2018, 9, 5049.	5.8	39
22	Effect of melt/mantle interactions on <scp>MORB</scp> chemistry at the easternmost <scp>S</scp>outhwest <scp>I</scp>ndian <scp>R</scp>idge (61Â°â€“67Â°<scp>E</scp>). Geochemistry, Geophysics, Geosystems, 2016, 17, 4605-4640.	1.0	36
23	26Âmillion years of mantle upwelling below a segment of the Mid Atlantic Ridge: The Vema Lithospheric Section revisited. Earth and Planetary Science Letters, 2009, 285, 87-95.	1.8	35
24	Steady-state creation of crust-free lithosphere at cold spots in mid-ocean ridges. Geology, 2001, 29, 979.	2.0	34
25	Percolation of enriched melts during incremental open-system melting in the spinel field: A REE approach to abyssal peridotites from the Southwest Indian Ridge. Geochimica Et Cosmochimica Acta, 2014, 127, 190-203.	1.6	32
26	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
27	Mantle peridotites from the Bouvet Triple Junction Region, South Atlantic. Terra Nova, 2003, 15, 194-203.	0.9	26
28	Post-Mesozoic Rapid Increase of Seawater Mg/Ca due to Enhanced Mantle-Seawater Interaction. Scientific Reports, 2013, 3, 2752.	1.6	26
29	Low temperature hydrothermal oil and associated biological precursors in serpentinites from Mid-Ocean Ridge. Lithos, 2013, 178, 84-95.	0.6	24
30	A 19 to 17 Ma amagmatic extension event at the Midâ€Atlantic Ridge: Ultramafic mylonites from the Vema Lithospheric Section. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	19
31	C₄â€Plant Foraging in Northern Italy: Stable Isotopes, Sr/Ca and Ba/Ca Data of Human Osteological Samples from Roccapelago (16thâ€“18th Centuries AD). Archaeometry, 2017, 59, 1119-1134.	0.6	17
32	Sodiumâ€‘chromium covariation in residual clinopyroxenes from abyssal peridotites sampled in the 43Â°â€“46Â°E region of the Southwest Indian Ridge. Lithos, 2018, 302-303, 142-157.	0.6	16
33	Bronze Age pottery from the Aeolian Islands: definition of Temper Compositional Reference Units by an integrated mineralogical and microchemical approach. Applied Physics A: Materials Science and Processing, 2013, 113, 855-863.	1.1	14
34	Semibrittle seismic deformation in high-temperature mantle mylonite shear zone along the Romanche transform fault. Science Advances, 2021, 7, .	4.7	14
35	Short-scale variability of the SCLM beneath the extra-Andeanback-arc (Paso de Indios, Argentina): Evidence from spinel-faciesmantle xenoliths. Open Geosciences, 2015, 7, .	0.6	12
36	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

#	Article	IF	Citations
37	Mineralizations and transition metal mobility driven by organic carbon during low-temperature serpentinization. Lithos, 2018, 323, 262-276.	0.6	9
38	Occurrence and characterization of tremolite asbestos from the Mid Atlantic Ridge. Scientific Reports, 2021, 11, 6285.	1.6	9
39	High H2O Content in Pyroxenes of Residual Mantle Peridotites at a Mid Atlantic Ridge Segment. Scientific Reports, 2020, 10, 579.	1.6	8
40	Postmelting hydrogen enrichment in the oceanic lithosphere. Science Advances, 2021, 7, .	4.7	6
41	p-XRF analysis of multi-periodImpastoand 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
42	Investigation of the Andrew Bain transform fault zone (African-Antarctic region). Doklady Earth Sciences, 2007, 416, 991-994.	0.2	2
43	Archaeometric characterization of prehistoric pottery from BaÄ§rija, Malta. Journal of Archaeological Science: Reports, 2019, 27, 101938.	0.2	2
44	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
45	The singular St. Peter and St. Paul Archipelago, equatorial Atlantic, Brazil. , 2022, , 121-165.		1
46	Mineralogical and Chemical Investigations of the Amguid Crater (Algeria): Is there Evidence on an Impact Origin?. Geosciences (Switzerland), 2020, 10, 107.	1.0	0