

Philipp A Brandl

List of Publications by Year in descending order

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38
papers

1,083
citations

516710

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454955

30
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41
all docs

41
docs citations

41
times ranked

1305
citing authors

#	ARTICLE	IF	CITATIONS
1	A record of spontaneous subduction initiation in the Izu-Bonin-Mariana arc. <i>Nature Geoscience</i> , 2015, 8, 728-733.	12.9	194
2	Age of Izu-Bonin-Mariana arc basement. <i>Earth and Planetary Science Letters</i> , 2018, 481, 80-90.	4.4	131
3	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 29-52.	3.9	65
4	The arc arises: The links between volcanic output, arc evolution and melt composition. <i>Earth and Planetary Science Letters</i> , 2017, 461, 73-84.	4.4	57
5	High mantle temperatures following rifting caused by continental insulation. <i>Nature Geoscience</i> , 2013, 6, 391-394.	12.9	56
6	Oxygen isotopes in the Azores islands: Crustal assimilation recorded in olivine. <i>Geology</i> , 2013, 41, 491-494.	4.4	53
7	Formation of the Troodos Ophiolite at a triple junction: Evidence from trace elements in volcanic glass. <i>Chemical Geology</i> , 2014, 386, 66-79.	3.3	50
8	Volcanism on the flanks of the East Pacific Rise: Quantitative constraints on mantle heterogeneity and melting processes. <i>Chemical Geology</i> , 2012, 298-299, 41-56.	3.3	48
9	Primitive andesites from the Taupo Volcanic Zone formed by magma mixing. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	47
10	Geochemical evidence for melting of carbonated peridotite on Santa Maria Island, Azores. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 823-841.	3.1	42
11	Magmatic Evidence for Carbonate Metasomatism in the Lithospheric Mantle underneath the OhÅ™e (Eger) Rift. <i>Journal of Petrology</i> , 2015, 56, 1743-1774.	2.8	33
12	Insights into mantle composition and mantle melting beneath mid-ocean ridges from postspreading volcanism on the fossil Galapagos Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	32
13	Iron isotope variability in ocean floor lavas and mantle sources in the Lau back-arc basin. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 150-163.	3.9	23
14	Basalt derived from highly refractory mantle sources during early Izu-Bonin-Mariana arc development. <i>Nature Communications</i> , 2021, 12, 1723.	12.8	23
15	Geochemistry of volcanic glasses from the Louisville Seamount Trail (IODP Expedition 330): Implications for eruption environments and mantle melting. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1718-1738.	2.5	18
16	The 6-8 Aug 2019 eruption of Volcano Få™ in the Tofua Arc, Tonga. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 390, 106695.	2.1	18
17	Shallow Seismicity and the Classification of Structures in the Lau Back-Arc Basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008924.	2.5	16
18	Conodont biostratigraphy in the Early to Middle Ordovician strata of the Oslobreen Group in Ny Friesland, Svalbard. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2013, 164, 149-172.	0.4	15

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19	The timescales of magma evolution at mid-ocean ridges. <i>Lithos</i> , 2016, 240-243, 49-68.	1.4	15
20	Tectonic control on the genesis of magmas in the New Hebrides arc (Vanuatu). <i>Lithos</i> , 2018, 312-313, 290-307.	1.4	15
21	Expedition 376 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	15
22	Formation of andesite melts and Ca-rich plagioclase in the submarine Monowai volcanic system, Kermadec arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4130-4152.	2.5	14
23	Magmatic Evolution and Source Variations at the Nifonea Ridge (New Hebrides Island Arc). <i>Journal of Petrology</i> , 2017, 58, 473-494.	2.8	12
24	Sedimentary and volcanic record of the nascent Izu-Bonin-Mariana arc from IODP Site U1438. <i>Bulletin of the Geological Society of America</i> , 2020, , .	3.3	11
25	Temporal Evolution of Proto-Izu-Bonin-Mariana Arc Volcanism over 10%Myr: Constraints from Statistical Analysis of Melt Inclusion Compositions. <i>Journal of Petrology</i> , 2020, 61, .	2.8	10
26	Expedition 376 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	9
27	Melting and Mantle Sources in the Azores. <i>Active Volcanoes of the World</i> , 2018, , 251-280.	1.4	8
28	The submarine tectono-magmatic framework of Cu-Au endowment in the Tabar-to-Feni island chain, PNG. <i>Ore Geology Reviews</i> , 2020, 121, 103491.	2.7	8
29	Reply to 'Unclear causes for subduction'. <i>Nature Geoscience</i> , 2016, 9, 338-339.	12.9	7
30	Intra-oceanic submarine arc evolution recorded in an ~1-km-thick rear-arc succession of distal volcanoclastic lobe deposits. , 2021, 17, 957-980.		7
31	Site U1528. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	7
32	Site U1530. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	5
33	Site U1527. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	5
34	Crustal Structure of the Niuafou'ou Microplate and Fonualei Rift and Spreading Center in the Northeastern Lau Basin, Southwestern Pacific. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019184.	3.4	4
35	Compositional variation and ^{226}Ra - ^{230}Th model ages of axial lavas from the southern Mid-Atlantic Ridge, 8°48'S. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 199-218.	2.5	3
36	Site U1529. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	3

#	ARTICLE	IF	CITATIONS
37	Effects of the Hydrous Domain in the Mantle Wedge on Magma Formation and Mixing at the Northeast Lau Spreading Center, SW Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	3
38	Site U1531. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	1