

Philip Kyle

List of Publications by Year in descending order

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38
papers

2,068
citations

279798

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times ranked

2138
citing authors

#	ARTICLE	IF	CITATIONS
1	Trans-crustal structural control of CO ₂ -rich extensional magmatic systems revealed at Mount Erebus Antarctica. <i>Nature Communications</i> , 2022, 13, .	12.8	8
2	Chapter 5.2â€fErebus Volcanic Province: petrology. <i>Geological Society Memoir</i> , 2021, 55, 447-489.	1.7	18
3	Chapter 5.4â€fMarie Byrd Land and Ellsworth Land: petrology. <i>Geological Society Memoir</i> , 2021, 55, 577-614.	1.7	12
4	Chapter 7.4â€fActive volcanoes in Marie Byrd Land. <i>Geological Society Memoir</i> , 2021, 55, 759-783.	1.7	12
5	Origin of low oxygen isotopic compositions in alkalic lavas from Erebus volcano, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 310-325.	3.9	2
6	Magmatism in Antarctica and its relation to Zealandia. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 578-588.	1.8	11
7	Rittmann volcano, Antarctica as the source of a widespread 1252â€±â€2 CE tephra layer in Antarctica ice. <i>Earth and Planetary Science Letters</i> , 2019, 521, 169-176.	4.4	14
8	Modification of fumarolic gases by the ice-covered edifice of Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 381, 119-139.	2.1	10
9	Evolution of Alkalic Magma Systems: Insight from Coeval Evolution of Sodid and Potassic Fractionation Lineages at The Pleiades Volcanic Complex, Antarctica. <i>Journal of Petrology</i> , 2019, 60, 117-150.	2.8	17
10	Melt Origin across a Rifted Continental Margin: a Case for Subduction-related Metasomatic Agents in the Lithospheric Source of Alkaline Basalt, NW Ross Sea, Antarctica. <i>Journal of Petrology</i> , 2018, 59, 517-558.	2.8	57
11	The nature and evolution of mantle upwelling at Ross Island, Antarctica, with implications for the source of HIMU lavas. <i>Earth and Planetary Science Letters</i> , 2018, 498, 38-53.	4.4	42
12	Methods for mapping and monitoring global glaciovolcanism. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 333-334, 134-144.	2.1	11
13	Storage and Evolution of Mafic and Intermediate Alkaline Magmas beneath Ross Island, Antarctica. <i>Journal of Petrology</i> , 2016, 57, 93-118.	2.8	25
14	Cyclic degassing of Erebus volcano, Antarctica. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	31
15	Transient degassing events at the lava lake of Erebus volcano, Antarctica: Chemistry and mechanisms. <i>GeoResJ</i> , 2015, 7, 43-58.	1.4	9
16	A new Holocene eruptive history of Erebus volcano, Antarctica using cosmogenic ³ He and ³⁶ Cl exposure ages. <i>Quaternary Geochronology</i> , 2015, 30, 114-131.	1.4	19
17	Megacrystals track magma convection between reservoir and surface. <i>Earth and Planetary Science Letters</i> , 2015, 413, 1-12.	4.4	35
18	Eruptive history and magmatic stability of Erebus volcano, Antarctica: Insights from englacial tephra. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4180-4202.	2.5	28

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19	Experimental Phase-equilibrium Constraints on the Phonolite Magmatic System of Erebus Volcano, Antarctica. <i>Journal of Petrology</i> , 2013, 54, 1285-1307.	2.8	34
20	Internal structure of Erebus volcano, Antarctica imaged by high-resolution active-source seismic tomography and coda interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1067-1078.	3.4	30
21	Geothermal point sources identified in a fumarolic ice cave on Erebus volcano, Antarctica using fiber optic distributed temperature sensing. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	29
22	Mantle to surface degassing of alkalic magmas at Erebus volcano, Antarctica. <i>Earth and Planetary Science Letters</i> , 2011, 306, 261-271.	4.4	116
23	Obliquity-paced Pliocene West Antarctic ice sheet oscillations. <i>Nature</i> , 2009, 458, 322-328.	27.8	564
24	Pulsatory magma supply to a phonolite lava lake. <i>Earth and Planetary Science Letters</i> , 2009, 284, 392-398.	4.4	108
25	A Sr, Nd, Hf, and Pb isotope perspective on the genesis and long-term evolution of alkaline magmas from Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 606-618.	2.1	50
26	Probing the magma plumbing of Erebus volcano, Antarctica, by open-path FTIR spectroscopy of gas emissions. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 743-754.	2.1	102
27	Geochemistry and mineralogy of the phonolite lava lake, Erebus volcano, Antarctica: 1972-2004 and comparison with older lavas. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 589-605.	2.1	87
28	The $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on the duration of resurgence at the Valles caldera, New Mexico. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	58
29	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of the eruptive history of Mount Erebus, Antarctica: volcano evolution. <i>Bulletin of Volcanology</i> , 2004, 66, 671-686.	3.0	83
30	Very long period oscillations of Mount Erebus Volcano. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	111
31	Petrogenesis of a Phonolite-Trachyte Succession at Mount Sidley, Marie Byrd Land, Antarctica. <i>Journal of Petrology</i> , 1997, 38, 1225-1253.	2.8	22
32	Geology and geochronology of McMurdo Volcanic Group rocks in the vicinity of Lake Morning, McMurdo Sound, Antarctica. <i>Antarctic Science</i> , 1989, 1, 345-350.	0.9	33
33	Magmatic and phreatomagmatic volcanic activity at Mt. Takahe, West Antarctica, based on tephra layers in the Byrd ice core and field observations at Mt. Takahe. <i>Journal of Volcanology and Geothermal Research</i> , 1988, 35, 295-317.	2.1	37
34	Tephra layers in the Byrd Station ice core and the Dome C ice core, Antarctica and their climatic importance. <i>Journal of Volcanology and Geothermal Research</i> , 1981, 11, 29-39.	2.1	63
35	Glacial history of the McMurdo Sound area as indicated by the distribution and nature of McMurdo Volcanic Group rocks. <i>Antarctic Research Series</i> , 1981, , 403-412.	0.2	29
36	Geology and petrology of the McMurdo Volcanic Group at Rainbow Ridge, Brown Peninsula, Antarctica. <i>Bulletin of the Geological Society of America</i> , 1979, 90, 676.	3.3	24

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37	Mineralogy and glass chemistry of recent volcanic ejecta from Mt Erebus, Ross Island, Antarctica. <i>New Zealand Journal of Geology, and Geophysics</i> , 1977, 20, 1123-1146.	1.8	56
38	Present Volcanic Activity on Mount Erebus, Ross Island, Antarctica. <i>Geology</i> , 1973, 1, 135.	4.4	71