

Philip T Leat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9012142/publications.pdf>

Version: 2024-02-01

33
papers

1,585
citations

361413

20
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultramafic mantle xenoliths in the Late Cenozoic volcanic rocks of the Antarctic Peninsula and Jones Mountains, West Antarctica. <i>Geological Society Memoir</i> , 2023, 56, 101-114.	1.7	1
2	Chapter 2.2bâ€fPalmer Land and Graham Land volcanic groups (Antarctic Peninsula): petrology. <i>Geological Society Memoir</i> , 2021, 55, 139-156.	1.7	3
3	Chapter 3.1bâ€fAntarctic Peninsula and South Shetland Islands: petrology. <i>Geological Society Memoir</i> , 2021, 55, 213-226.	1.7	10
4	Geochronology and geochemistry of the South Scotia Ridge: Miocene island arc volcanism of the Scotia Sea. <i>Global and Planetary Change</i> , 2021, 205, 103615.	3.5	5
5	Chapter 2.2aâ€fPalmer Land and Graham Land volcanic groups (Antarctic Peninsula): volcanology. <i>Geological Society Memoir</i> , 2021, 55, 121-138.	1.7	7
6	Chapter 3.1aâ€fAntarctic Peninsula and South Shetland Islands: volcanology. <i>Geological Society Memoir</i> , 2021, 55, 185-212.	1.7	16
7	Magmatism of the Weddell Sea rift system in Antarctica: Implications for the age and mechanism of rifting and early stage Gondwana breakup. <i>Gondwana Research</i> , 2020, 79, 185-196.	6.0	19
8	Geochronology and geochemistry of the northern Scotia Sea: A revised interpretation of the North and West Scotia ridge junction. <i>Earth and Planetary Science Letters</i> , 2019, 518, 136-147.	4.4	18
9	Jurassic high heat production granites associated with the Weddell Sea rift system, Antarctica. <i>Tectonophysics</i> , 2018, 722, 249-264.	2.2	20
10	A revised geochronology of Thurston Island, West Antarctica, and correlations along the proto-Pacific margin of Gondwana. <i>Antarctic Science</i> , 2017, 29, 47-60.	0.9	34
11	New geophysical compilations link crustal block motion to Jurassic extension and strike-slip faulting in the Weddell Sea Rift System of West Antarctica. <i>Gondwana Research</i> , 2017, 42, 29-48.	6.0	57
12	Bathymetry and geological setting of the South Sandwich Islands volcanic arc. <i>Antarctic Science</i> , 2016, 28, 293-303.	0.9	27
13	The global relevance of the Scotia Arc: An introduction. <i>Global and Planetary Change</i> , 2015, 125, A1-A8.	3.5	12
14	Composition and evolution of the Ancestral South Sandwich Arc: Implications for the flow of deep ocean water and mantle through the Drake Passage Gateway. <i>Global and Planetary Change</i> , 2014, 123, 298-322.	3.5	24
15	Large-scale submarine landslides, channel and gully systems on the southern Weddell Sea margin, Antarctica. <i>Marine Geology</i> , 2014, 348, 73-87.	2.1	33
16	Inland extent of the Weddell Sea Rift imaged by new aerogeophysical data. <i>Tectonophysics</i> , 2013, 585, 137-160.	2.2	67
17	Volcanic evolution of the South Sandwich volcanic arc, South Atlantic, from multibeam bathymetry. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 265, 60-77.	2.1	29
18	Crustal thickening along the West Antarctic Gondwana margin during mid-Cretaceous deformation of the Triassic intra-oceanic Dyer Arc. <i>Lithos</i> , 2012, 142-143, 130-147.	1.4	27

#	ARTICLE	IF	CITATIONS
19	Björnsnutane and Sembberget basalt lavas and the geochemical provinciality of Karoo magmatism in western Dronning Maud Land, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 1-18.	2.1	27
20	Growth and mass wasting of volcanic centers in the northern South Sandwich arc, South Atlantic, revealed by new multibeam mapping. <i>Marine Geology</i> , 2010, 275, 110-126.	2.1	47
21	The form, distribution and anisotropy of magnetic susceptibility of Jurassic dykes in H.U. Sverdrupfjella, Dronning Maud Land, Antarctica. Implications for dyke swarm emplacement. <i>Journal of Structural Geology</i> , 2008, 30, 1429-1447.	2.3	35
22	Early- to Middle Jurassic Dolerite Dykes from Western Dronning Maud Land (Antarctica): Identifying Mantle Sources in the Karoo Large Igneous Province. <i>Journal of Petrology</i> , 2005, 46, 1489-1524.	2.8	136
23	Magma genesis and mantle flow at a subducting slab edge: the South Sandwich arc-basin system. <i>Earth and Planetary Science Letters</i> , 2004, 227, 17-35.	4.4	125
24	Ultramafic lamprophyres of the Ferrar large igneous province: evidence for a HIMU mantle component. <i>Lithos</i> , 2003, 66, 63-76.	1.4	48
25	Thinning of the Antarctic Peninsula lithosphere through the Mesozoic: evidence from Middle Jurassic basaltic lavas. <i>Lithos</i> , 2003, 67, 163-179.	1.4	22
26	Origins of Large Volume Rhyolitic Volcanism in the Antarctic Peninsula and Patagonia by Crustal Melting. <i>Journal of Petrology</i> , 2001, 42, 1043-1065.	2.8	235
27	Middle Cambrian rift-related volcanism in the Ellsworth Mountains, Antarctica: tectonic implications for the palaeo-Pacific margin of Gondwana. <i>Tectonophysics</i> , 1999, 304, 275-299.	2.2	41
28	Large volume silicic volcanism along the proto-Pacific margin of Gondwana: lithological and stratigraphical investigations from the Antarctic Peninsula. <i>Geological Magazine</i> , 1999, 136, 1-16.	1.5	65
29	The Chon Aike province of Patagonia and related rocks in West Antarctica: A silicic large igneous province. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 113-136.	2.1	306
30	Geochemistry of mafic dykes in the Antarctic Peninsula continental-margin batholith: a record of arc evolution. <i>Contributions To Mineralogy and Petrology</i> , 1998, 131, 289-305.	3.1	42
31	Submarine caldera and other volcanic observations in Southern Thule, South Sandwich Islands. <i>Antarctic Science</i> , 1998, 10, 171-172.	0.9	16
32	Antarctic Peninsula granitoid petrogenesis: a case study from Mount Charity, north-eastern Palmer Land. <i>Antarctic Science</i> , 1996, 8, 193-206.	0.9	14
33	Central volcanoes as sources for the Antarctic Peninsula Volcanic Group. <i>Antarctic Science</i> , 1994, 6, 365-374.	0.9	17