

Julian Marsh

List of Publications by Year in descending order

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46
papers

2,976
citations

201674

27
h-index

243625

44
g-index

73
all docs

73
docs citations

73
times ranked

2025
citing authors

#	ARTICLE	IF	CITATIONS
1	The timing and duration of the Karoo igneous event, southern Gondwana. <i>Journal of Geophysical Research</i> , 1997, 102, 18127-18138.	3.3	473
2	The geochemistry of potassic lavas from Vulcini, central Italy and implications for mantle enrichment processes beneath the Roman region. <i>Contributions To Mineralogy and Petrology</i> , 1985, 90, 244-257.	3.1	282
3	The largest volcanic eruptions on Earth. <i>Earth-Science Reviews</i> , 2010, 102, 207-229.	9.1	251
4	Petrology and Geochemistry of Early Cretaceous Bimodal Continental Flood Volcanism of the NW Etendeka, Namibia. Part 1: Introduction, Mafic Lavas and Re-evaluation of Mantle Source Components. <i>Journal of Petrology</i> , 2004, 45, 59-105.	2.8	150
5	The Etendeka Igneous Province: magma types and their stratigraphic distribution with implications for the evolution of the Paran- $\bar{\Lambda}$ -Etendeka flood basalt province. <i>Bulletin of Volcanology</i> , 2001, 62, 464-486.	3.0	140
6	Significance of $^{87}\text{Sr}/^{86}\text{Sr}$ ratios in the Merensky cyclic unit of the Bushveld Complex. <i>Nature</i> , 1982, 298, 53-55.	27.8	135
7	Relationships between transform directions and alkaline igneous rock lineaments in Africa and South America. <i>Earth and Planetary Science Letters</i> , 1973, 18, 317-323.	4.4	114
8	Distinct kimberlite pipe classes with contrasting eruption processes. <i>Lithos</i> , 2004, 76, 183-200.	1.4	99
9	REE fractionation and Ce anomalies in weathered Karoo dolerite. <i>Chemical Geology</i> , 1991, 90, 189-194.	3.3	97
10	Basalt geochemistry and tectonic discrimination within continental flood basalt provinces. <i>Journal of Volcanology and Geothermal Research</i> , 1987, 32, 35-49.	2.1	79
11	The Petrogenesis of the Kirwan Basalts of Dronning Maud Land, Antarctica. <i>Journal of Petrology</i> , 1990, 31, 341-369.	2.8	76
12	The oxygen isotope composition of Karoo and Etendeka picrites: High $\delta^{18}\text{O}$ mantle or crustal contamination?. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	3.1	73
13	Petrology of the Alkaline Core of the Messum Igneous Complex, Namibia: Evidence for the Progressively Decreasing Effect of Crustal Contamination. <i>Journal of Petrology</i> , 1999, 40, 1377-1397.	2.8	68
14	Some geochemical constraints upon models for the crystallization of the upper critical zone-main zone interval, northwestern Bushveld complex. <i>Mineralogical Magazine</i> , 1986, 50, 567-582.	1.4	67
15	Magma flow inferred from AMS fabrics in a layered mafic sill, Insizwa, South Africa. <i>Tectonophysics</i> , 2002, 354, 1-23.	2.2	66
16	Petrology and Geochemistry of Early Cretaceous Bimodal Continental Flood Volcanism of the NW Etendeka, Namibia. Part 2: Characteristics and Petrogenesis of the High-Ti Latite and High-Ti and Low-Ti Voluminous Quartz Latite Eruptives. <i>Journal of Petrology</i> , 2004, 45, 107-138.	2.8	62
17	Eruptive history of the Karoo lava flows and their impact on early Jurassic environmental change. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 738-772.	3.4	58
18	The mineralogy, petrology, and origin of the Merensky cyclic unit in the western Bushveld Complex. <i>Economic Geology</i> , 1985, 80, 958-974.	3.8	57

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19	Asthenospheric and lithospheric sources for Mesozoic dolerites from Liberia (Africa): trace element and isotopic evidence. <i>Earth and Planetary Science Letters</i> , 1988, 87, 100-110.	4.4	57
20	CRETACEOUS EROSION IN CENTRAL SOUTH AFRICA: EVIDENCE FROM UPPER-CRUSTAL XENOLITHS IN KIMBERLITE DIATREMES. <i>South African Journal of Geology</i> , 2009, 112, 125-140.	1.2	52
21	An attempt to constrain the age, duration, and eruptive history of the Karoo flood basalt: Naude's Nek section (South Africa). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	52
22	Volcanic rocks of the witwatersrand triad, south Africa. I: Description, classification and geochemical stratigraphy. <i>Precambrian Research</i> , 1986, 31, 297-324.	2.7	43
23	Petrogenesis of Late Archaean Flood-Type Basic Lavas from the Klipriviersberg Group, Ventersdorp Supergroup, South Africa. <i>Journal of Petrology</i> , 1992, 33, 817-847.	2.8	43
24	Petrology and geochemistry of peridotite xenoliths from the Letlhakane kimberlites, Botswana. <i>Contributions To Mineralogy and Petrology</i> , 1997, 127, 147-158.	3.1	42
25	Geochemical constraints on coupled assimilation and fractional crystallization involving upper crustal compositions and continental tholeiitic magma. <i>Earth and Planetary Science Letters</i> , 1989, 92, 70-80.	4.4	40
26	Aenigmatite stability in silica-undersaturated rocks. <i>Contributions To Mineralogy and Petrology</i> , 1975, 50, 135-144.	3.1	38
27	Volcanic rocks of the Witwatersrand Triad, South Africa. II: Petrogenesis of mafic and felsic rocks of the Dominion Group. <i>Precambrian Research</i> , 1989, 44, 39-65.	2.7	35
28	The concentrations of the noble metals in Southern African flood-type basalts and MORB: implications for petrogenesis and magmatic sulphide exploration. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 44-61.	3.1	29
29	Oxygen isotope geochemistry of the Mesozoic volcanics of the Etendeka Formation, Namibia. <i>Contributions To Mineralogy and Petrology</i> , 1989, 102, 454-461.	3.1	19
30	The Marinkas Quellen Carbonatite Complex, southern Namibia; carbonatite magmatism with an uncontaminated depleted mantle signature in a continental setting. <i>Chemical Geology</i> , 1998, 148, 201-212.	3.3	19
31	Rock magnetic stratigraphy of a mafic layered sill: A key to the Karoo volcanics plumbing system. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 172, 75-92.	2.1	19
32	Compositionally diverse magmas erupted close together in space and time within a Karoo flood basalt crater complex. <i>Bulletin of Volcanology</i> , 2008, 70, 923-946.	3.0	16
33	Evolution of a strongly differentiated suite of phonolites from the Klinghardt Mountains, Namibia. <i>Lithos</i> , 1987, 20, 41-58.	1.4	15
34	â€œThe geophysical mapping of Mesozoic dyke swarms in southern Africa and their origin in the disruption of Gondwanaâ€•[J. Afr. Earth Sci. 30 (2000) 499â€“513]. <i>Journal of African Earth Sciences</i> , 2002, 35, 525-527.	2.0	15
35	The Bero Volcanic Complex: Extension of the ParanÃ¡-Etendeka Igneous Province into SW Angola. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 355, 21-31.	2.1	15
36	Al/Cr ratios of coexisting pyroxenes and spinellids in some ultramafic rocks. <i>Chemical Geology</i> , 1983, 38, 57-74.	3.3	14

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37	Emplacement of inflated Pahoehoe flows in the Naude's Nek Pass, Lesotho remnant, Karoo continental flood basalt province: use of flow-lobe tumuli in understanding flood basalt emplacement. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	13
38	The geochemistry and evolution of Palaeogene phonolites, central Namibia. <i>Lithos</i> , 2010, 117, 149-160.	1.4	11
39	Petrology of the Alkaline Core of the Messum Igneous Complex, Namibia: Evidence for the Progressively Decreasing Effect of Crustal Contamination. <i>Journal of Petrology</i> , 1999, 40, 1377-1397.	2.8	11
40	Implications of a new $^{40}\text{Ar}/^{39}\text{Ar}$ age for a basalt flow interbedded with the Etjo Formation, Northeast Namibia. <i>South African Journal of Geology</i> , 2003, 106, 281-286.	1.2	9
41	The geochemical structure of the Insizwa lobe of the Mount Ayliff complex with implications for the emplacement and evolution of the complex and its Ni-sulphide potential. <i>South African Journal of Geology</i> , 2003, 106, 409-428.	1.2	9
42	Stratigraphic correlation of the Awahab and Tafelberg Formations, Etendeka Group, Namibia, and location of an eruptive site for flood basalt volcanism. <i>Journal of African Earth Sciences</i> , 2007, 48, 329-340.	2.0	9
43	Distribution of Ca in highly fractionated peralkaline magmas. <i>Earth and Planetary Science Letters</i> , 1976, 31, 153-160.	4.4	2
44	The Distribution of Platinum Group Elements in the Insizwa Lobe, Mount Ayliff Complex, South Africa: Implications for Ni-Cu-PGE Sulfide Exploration in the Karoo Igneous Province. <i>Economic Geology</i> , 2002, 97, 1293-1306.	3.8	2
45	Tin mineralisation. <i>Nature</i> , 1974, 252, 511-511.	27.8	0
46	The role of CO_2 in alkali rock genesis. <i>Geological Magazine</i> , 1977, 114, 149-151.	1.5	0