

John T Caulfield

List of Publications by Year in descending order

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18
papers

346
citations

933447

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839539

18
g-index

18
all docs

18
docs citations

18
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent contribution of sediments and fluids to the mantle's volatile budget. <i>Nature Geoscience</i> , 2012, 5, 50-54.	12.9	62
2	Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano. <i>Journal of Petrology</i> , 2012, 53, 1231-1253.	2.8	51
3	Source depletion and extent of melting in the Tongan sub-arc mantle. <i>Earth and Planetary Science Letters</i> , 2008, 273, 279-288.	4.4	43
4	Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Petrogenesis of Basaltic Andesites at Tofua Volcano. <i>Journal of Petrology</i> , 2012, 53, 1197-1230.	2.8	29
5	A trapdoor mechanism for slab tearing and melt generation in the northern Andes. <i>Geology</i> , 2019, 47, 23-26.	4.4	29
6	Combined in-situ determination of halogen (F, Cl) content in igneous and detrital apatite by SEM-EDS and LA-Q-ICPMS: A potential new provenance tool. <i>Chemical Geology</i> , 2019, 524, 406-420.	3.3	19
7	Mafic Plinian volcanism and ignimbrite emplacement at Tofua volcano, Tonga. <i>Bulletin of Volcanology</i> , 2011, 73, 1259-1277.	3.0	18
8	Mantle flow, volatiles, slab's surface temperatures and melting dynamics in the north Tonga arc's Lau back-arc basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
9	Geophysical and geochemical constraints on the origin of Holocene intraplate volcanism in East Asia. <i>Earth-Science Reviews</i> , 2021, 218, 103624.	9.1	13
10	Rapid magmatic processes accompany arc's continent collision: the Western Bismarck arc, Papua New Guinea. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 789-804.	3.1	10
11	Petrogenesis and tectonic implications of late Oligocene highly fractionated leucogranites in the Ailao Shan-Red River shear zone, SW China. <i>Journal of Asian Earth Sciences</i> , 2019, 182, 103925.	2.3	10
12	Microanalysis of Cl, Br and I in apatite, scapolite and silicate glass by LA-ICP-MS. <i>Chemical Geology</i> , 2020, 557, 119854.	3.3	10
13	Integrating petrography, mineralogy and hydrochemistry to constrain the influence and distribution of groundwater contributions to baseflow in poorly productive aquifers: Insights from Gortinlieve catchment, Co. Donegal, NW Ireland. <i>Science of the Total Environment</i> , 2014, 500-501, 224-234.	8.0	9
14	²¹⁰ Pb- ²²⁶ Ra disequilibria in young gas-laden magmas. <i>Scientific Reports</i> , 2017, 7, 45186.	3.3	9
15	Halogen and trace element analysis of carbonate-veins and Fe-oxyhydroxide by LA-ICPMS: Implications for seafloor alteration, Atlantis Bank, SW Indian Ridge. <i>Chemical Geology</i> , 2020, 547, 119668.	3.3	7
16	¹⁰ Be, ¹⁸ O and radiogenic isotopic constraints on the origin of adakitic signatures: a case study from Solander and Little Solander Islands, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	4
17	Spatially and Geochemically Anomalous Arc Magmatism: Insights From the Andean Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009688.	2.5	3
18	Corrigendum to 'Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Petrogenesis of Basaltic Andesites at Tofua Volcano' and 'Magma Evolution in the Primitive, Intra-oceanic Tonga Arc: Rapid Petrogenesis of Dacites at Fonualei Volcano'. <i>Journal of Petrology</i> , 2015, 56, 641-644.	2.8	2