

Timothy Chapman

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

597
citations

687363

13
h-index

839539

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26
all docs

26
docs citations

26
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Subduction initiation and ophiolite crust: new insights from IODP drilling. <i>International Geology Review</i> , 2017, 59, 1439-1450.	2.1	145
2	Magmatic Response to Subduction Initiation: Part 1. Forearc Basalts of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 314-338.	2.5	113
3	Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	52
4	Application of a handheld X-ray fluorescence spectrometer for real-time, high-density quantitative analysis of drilled igneous rocks and sediments during IODP Expedition 352. <i>Chemical Geology</i> , 2017, 451, 55-66.	3.3	44
5	Crustal Differentiation in a Thickened Arc—Evaluating Depth Dependences. <i>Journal of Petrology</i> , 2016, 57, 595-620.	2.8	29
6	The role of buoyancy in the fate of ultra-high-pressure eclogite. <i>Scientific Reports</i> , 2019, 9, 19925.	3.3	27
7	Mineral compositions and thermobarometry of basalts and boninites recovered during IODP Expedition 352 to the Bonin forearc. <i>American Mineralogist</i> , 2020, 105, 1490-1507.	1.9	26
8	Mechanisms of melt extraction during lower crustal partial melting. <i>Journal of Metamorphic Geology</i> , 2021, 39, 57-75.	3.4	26
9	Magma Source Evolution Following Subduction Initiation: Evidence From the Element Concentrations, Stable Isotope Ratios, and Water Contents of Volcanic Glasses From the Bonin Forearc (IODP Expedition 352). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009054.	2.5	22
10	Orthopyroxene–omphacite- and garnet–omphacite-bearing magmatic assemblages, Breaksea Orthogneiss, New Zealand: Oxidation state controlled by high-P oxide fractionation. <i>Lithos</i> , 2015, 216-217, 1-16.	1.4	20
11	Evaluating the importance of metamorphism in the foundering of continental crust. <i>Scientific Reports</i> , 2017, 7, 13039.	3.3	18
12	Grain-scale dependency of metamorphic reaction on crystal plastic strain. <i>Journal of Metamorphic Geology</i> , 2019, 37, 1021-1036.	3.4	17
13	Pulses in silicic arc magmatism initiate end-Permian climate instability and extinction. <i>Nature Geoscience</i> , 2022, 15, 411-416.	12.9	13
14	Inefficient high-temperature metamorphism in orthogneiss. <i>American Mineralogist</i> , 2019, 104, 17-30.	1.9	12
15	Site U1439. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	9
16	A New Reconstruction for Permian East Gondwana Based on Zircon Data From Ophiolite of the East Australian Great Serpentine Belt. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	5
17	Cryptic evidence for the former presence of lawsonite in blueschist and eclogite. <i>Journal of Metamorphic Geology</i> , 2021, 39, 343-362.	3.4	4
18	The Role of Metamorphic Fluid in Tectonic Tremor Along the Alpine Fault, New Zealand. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4

#	ARTICLE	IF	CITATIONS
19	Transpressional deformation in the lithospheric mantle beneath the North Anatolian Fault Zone. <i>Tectonophysics</i> , 2021, 815, 228989.	2.2	3
20	Delayed Growth of Ferropericlasite and Bridgmanite Controls Slab Residence at the 660-km Discontinuity. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021487.	3.4	0
21	CHEMOSTRATIGRAPHY OF SUBDUCTION INITIATION: IODP EXPEDITION 352 BONINITE AND FAB. , 2016, , .		0