# Timothy Chapman

List of Publications by Year
in descending order



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|---|---|---|---|
| 21 papers | 597 citations | 687363 13 h-index | 839539 18 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 668 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Role of Metamorphic Fluid in Tectonic Tremor Along the Alpine Fault, New Zealand. Geophysical Research Letters, 2022, 49, . | 4.0 | 4 |
| 2 | Pulses in silicic arc magmatism initiate end-Permian climate instability and extinction. Nature Geoscience, 2022, 15, 411-416. | 12.9 | 13 |
| 3 | Mechanisms of melt extraction during lower crustal partial melting. Journal of Metamorphic Geology, 2021, 39, 57-75. | 3.4 | 26 |
| 4 | A New Reconstruction for Permian East Gondwana Based on Zircon Data From Ophiolite of the East Australian Great Serpentinite Belt. Geophysical Research Letters, 2021, 48, . | 4.0 | 5 |
| 5 | 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). Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009054. | 2.5 | 22 |
| 6 | Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izuâ€Bonin Arc From IODP Expedition 352. Geochemistry, Geophysics, Geosystems, 2021, 22, . | 2.5 | 52 |
| 7 | Cryptic evidence for the former presence of lawsonite in blueschist and eclogite. Journal of Metamorphic Geology, 2021, 39, 343-362. | 3.4 | 4 |
| 8 | Delayed Growth of Ferropericlase and Bridgmanite Controls Slab Residence at the 660â€km Discontinuity. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021487. | 3.4 | 0 |
| 9 | Transpressional deformation in the lithospheric mantle beneath the North Anatolian Fault Zone. Tectonophysics, 2021, 815, 228989. | 2.2 | 3 |
| 10 | Mineral compositions and thermobarometry of basalts and boninites recovered during IODP Expedition 352 to the Bonin forearc. American Mineralogist, 2020, 105, 1490-1507. | 1.9 | 26 |
| 11 | Grainâ€scale dependency of metamorphic reaction on crystal plastic strain. Journal of Metamorphic Geology, 2019, 37, 1021-1036. | 3.4 | 17 |
| 12 | Inefficient high-temperature metamorphism in orthogneiss. American Mineralogist, 2019, 104, 17-30. | 1.9 | 12 |
| 13 | The role of buoyancy in the fate of ultra-high-pressure eclogite. Scientific Reports, 2019, 9, 19925. | 3.3 | 27 |
| 14 | Magmatic Response to Subduction Initiation: Part 1. Foreâ€arc Basalts of the Izuâ€Bonin Arc From IODP Expedition 352. Geochemistry, Geophysics, Geosystems, 2019, 20, 314-338. | 2.5 | 113 |
| 15 | Subduction initiation and ophiolite crust: new insights from IODP drilling. International Geology Review, 2017, 59, 1439-1450. | 2.1 | 145 |
| 16 | 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. Chemical Geology, 2017, 451, 55-66. | 3.3 | 44 |
| 17 | Evaluating the importance of metamorphism in the foundering of continental crust. Scientific Reports, 2017, 7, 13039. | 3.3 | 18 |
| 18 | Crustal Differentiation in a Thickened Arcâ€”Evaluating Depth Dependences. Journal of Petrology, 2016, 57, 595-620. | 2.8 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | CHEMOSTRATIGRAPHY OF SUBDUCTION INITIATION: IODP EXPEDITION 352 BONINITE AND FAB. , 2016, , . | | 0 |
| 20 | Orthopyroxeneâ€“omphacite- and garnetâ€“omphacite-bearing magmatic assemblages, Breaksea Orthogneiss, New Zealand: Oxidation state controlled by high-P oxide fractionation. Lithos, 2015, 216-217, 1-16. | 1.4 | 20 |
| 21 | Site U1439. Proceedings of the International Ocean Discovery Program, 0, , . | 0.0 | 9 |