

Matthew Rioux

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

901
citations

623734

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20
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22
all docs

22
docs citations

22
times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronous formation of the metamorphic sole and igneous crust of the Semail ophiolite: New constraints on the tectonic evolution during ophiolite formation from high-precision U–Pb zircon geochronology. <i>Earth and Planetary Science Letters</i> , 2016, 451, 185-195.	4.4	154
2	Tectonic development of the Samail ophiolite: High-precision U–Pb zircon geochronology and Sm–Nd isotopic constraints on crustal growth and emplacement. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2085-2101.	3.4	140
3	Rapid crustal accretion and magma assimilation in the Oman–U.A.E. ophiolite: High precision U–Pb zircon geochronology of the gabbroic crust. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	118
4	Zircon Dating of Oceanic Crustal Accretion. <i>Science</i> , 2009, 323, 1048-1050.	12.6	88
5	Reconstruction of the Talkeetna intraoceanic arc of Alaska through thermobarometry. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	75
6	Intermediate to felsic middle crust in the accreted Talkeetna arc, the Alaska Peninsula and Kodiak Island, Alaska: An analogue for low-velocity middle crust in modern arcs. <i>Tectonics</i> , 2010, 29, .	2.8	59
7	Protracted timescales of lower crustal growth at the fast-spreading East Pacific Rise. <i>Nature Geoscience</i> , 2012, 5, 275-278.	12.9	56
8	The temporal and spatial distribution of magmatism during lower crustal accretion at an ultraslow-spreading ridge: High-precision U–Pb zircon dating of ODP Holes 735B and 1105A, Atlantis Bank, Southwest Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2016, 449, 395-406.	4.4	30
9	Thermochronology of the Talkeetna intraoceanic arc of Alaska: Ar/Ar, U–Th/He, Sm–Nd, and Lu–Hf dating. <i>Tectonics</i> , 2011, 30, .	2.8	25
10	Evidence for initial excess ^{231}Pa in mid-ocean ridge zircons. <i>Chemical Geology</i> , 2015, 397, 143-156.	3.3	25
11	Petrochronology of Wadi Tayin Metamorphic Sole Metasediment, With Implications for the Thermal and Tectonic Evolution of the Samail Ophiolite (Oman/UAE). <i>Tectonics</i> , 2020, 39, e2020TC006135.	2.8	24
12	High-precision U–Pb Zircon Dating of Late Magmatism in the Samail Ophiolite: A Record of Subduction Initiation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020758.	3.4	22
13	The link between volcanism and plutonism in epizonal magma systems; high-precision U–Pb zircon geochronology from the Organ Mountains caldera and batholith, New Mexico. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	16
14	The Origin of Felsic Intrusions Within the Mantle Section of the Samail Ophiolite: Geochemical Evidence for Three Distinct Mixing and Fractionation Trends. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020760.	3.4	14
15	U–Pb dating of interspersed gabbroic magmatism and hydrothermal metamorphism during lower crustal accretion, Vema lithospheric section, Mid-Atlantic Ridge. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2093-2118.	3.4	11
16	Listvenite Formation During Mass Transfer into the Leading Edge of the Mantle Wedge: Initial Results from Oman Drilling Project Hole BT1B. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	11
17	One line on the map: A review of the geological history of the Semail Thrust, Oman-UAE mountains. <i>Journal of Structural Geology</i> , 2022, 158, 104594.	2.3	10
18	Dating Continental Subduction Beneath the Samail Ophiolite: Garnet, Zircon, and Rutile Petrochronology of the As Sifah Eclogites, NE Oman. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022715.	3.4	9

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19	Crystallization depth beneath an oceanic detachment fault (ODP Hole 923A, Mid-Atlantic Ridge). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 162-180.	2.5	5
20	Accretion and oxidation of a superfast-spread axial melt lens: TIMS and SIMS zircon analyses of the IODP Hole 1256D gabbros. <i>Lithos</i> , 2019, 348-349, 105184.	1.4	4