## Matthew Rioux

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Listvenite Formation During Mass Transfer into the Leading Edge of the Mantle Wedge: Initial Results from Oman Drilling Project Hole BT1B. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	11
2	One line on the map: A review of the geological history of the Semail Thrust, Oman-UAE mountains. Journal of Structural Geology, 2022, 158, 104594.	2.3	10
3	The Origin of Felsic Intrusions Within the Mantle Section of the Samail Ophiolite: Geochemical Evidence for Three Distinct Mixing and Fractionation Trends. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020760.	3.4	14
4	Highâ€Precision Uâ€Pb Zircon Dating of Late Magmatism in the Samail Ophiolite: A Record of Subduction Initiation. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020758.	3.4	22
5	Dating Continental Subduction Beneath the Samail Ophiolite: Garnet, Zircon, and Rutile Petrochronology of the As Sifah Eclogites, NE Oman. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022715.	3.4	9
6	Petrochronology of Wadi Tayin Metamorphic Sole Metasediment, With Implications for the Thermal and Tectonic Evolution of the Samail Ophiolite (Oman/UAE). Tectonics, 2020, 39, e2020TC006135.	2.8	24
7	Accretion and oxidation of a superfast-spread axial melt lens: TIMS and SIMS zircon analyses of the IODP Hole 1256D gabbros. Lithos, 2019, 348-349, 105184.	1.4	4
8	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. Earth and Planetary Science Letters, 2016, 451, 185-195.	4.4	154
9	Crystallization depth beneath an oceanic detachment fault (ODP Hole 923A, Midâ€Atlantic Ridge). Geochemistry, Geophysics, Geosystems, 2016, 17, 162-180.	2.5	5
10	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. Earth and Planetary Science Letters, 2016, 449, 395-406.	4.4	30
11	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. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	16
12	Uâ€Pb dating of interspersed gabbroic magmatism and hydrothermal metamorphism during lower crustal accretion, Vema lithospheric section, Midâ€Atlantic Ridge. Journal of Geophysical Research: Solid Earth, 2015, 120, 2093-2118.	3.4	11
13	Evidence for initial excess 231Pa in mid-ocean ridge zircons. Chemical Geology, 2015, 397, 143-156.	3.3	25
14	Tectonic development of the Samail ophiolite: Highâ€precision Uâ€Pb zircon geochronology and Smâ€Nd isotopic constraints on crustal growth and emplacement. Journal of Geophysical Research: Solid Earth, 2013, 118, 2085-2101.	3.4	140
15	Protracted timescales of lower crustal growth at the fast-spreading East Pacific Rise. Nature Geoscience, 2012, 5, 275-278.	12.9	56
16	Rapid crustal accretion and magma assimilation in the Omanâ€U.A.E. ophiolite: High precision Uâ€Pb zircon geochronology of the gabbroic crust. Journal of Geophysical Research, 2012, 117, .	3.3	118
17	Thermochronology of the Talkeetna intraoceanic arc of Alaska: Ar/Ar, Uâ€Th/He, Smâ€Nd, and Luâ€Hf dating. Tectonics, 2011, 30, .	2.8	25
18	Intermediate to felsic middle crust in the accreted Talkeetna arc, the Alaska Peninsula and Kodiak Island, Alaska: An analogue for lowâ€velocity middle crust in modern arcs. Tectonics, 2010, 29, .	2.8	59

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19	Zircon Dating of Oceanic Crustal Accretion. Science, 2009, 323, 1048-1050.	12.6	88
20	Reconstruction of the Talkeetna intraoceanic arc of Alaska through thermobarometry. Journal of Geophysical Research, 2008, 113, .	3.3	75