

Tyrone O Rooney

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,894
citations

257450

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254184

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48
docs citations

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times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical, petrographic, and stratigraphic analyses of the Portage Lake Volcanics of the Keweenaw CFBP: implications for the evolution of main stage volcanism in continental flood basalt provinces. Geological Society Special Publication, 2022, 518, 67-100.	1.3	6
2	Transcrustal magmatic systems: evidence from andesites of the southern Taupo Volcanic Zone. Journal of the Geological Society, 2022, 179, .	2.1	3
3	Initial Cenozoic magmatic activity in East Africa: new geochemical constraints on magma distribution within the Eocene continental flood basalt province. Geological Society Special Publication, 2022, 518, 435-465.	1.3	7
4	Constraining the isotopic endmembers contributing to 1.1 Ga Keweenaw large igneous province magmatism. Contributions To Mineralogy and Petrology, 2022, 177, 1.	3.1	5
5	Transition to magma-driven rifting in the South Turkana Basin, Kenya: Part 2. Journal of the Geological Society, 2022, 179, .	2.1	6
6	PiAutoStage: An Open-Source 3D Printed Tool for the Automatic Collection of High-Resolution Microscope Imagery. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009693.	2.5	3
7	On the cratonization of the Arabian-Nubian Shield: Constraints from gneissic granitoids in south Eastern Desert, Egypt. Geoscience Frontiers, 2021, 12, 101148.	8.4	10
8	The Cenozoic magmatism of East Africa: Part II – Rifting of the mobile belt. Lithos, 2020, 360-361, 105291.	1.4	21
9	The Cenozoic magmatism of East Africa: Part V – Magma sources and processes in the East African Rift. Lithos, 2020, 360-361, 105296.	1.4	30
10	A compilation of igneous rock volumes at volcanic passive continental margins from interpreted seismic profiles. Marine and Petroleum Geology, 2020, 122, 104635.	3.3	15
11	The impact on mantle olivine resulting from carbonated silicate melt interaction. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	13
12	The Cenozoic magmatism of East Africa: Part III – Rifting of the craton. Lithos, 2020, 360-361, 105390.	1.4	15
13	The Cenozoic magmatism of East Africa: Part IV – The terminal stages of rifting preserved in the Northern East African Rift System. Lithos, 2020, 360-361, 105381.	1.4	10
14	Magmatically assisted off-rift extension – The case for broadly distributed strain accommodation. , 2018, 14, 1544-1563.		15
15	Constraining the Magmatic Plumbing System in a Zoned Continental Flood Basalt Province. Geochemistry, Geophysics, Geosystems, 2018, 19, 3917-3944.	2.5	14
16	Insights from North America's failed Midcontinent Rift into the evolution of continental rifts and passive continental margins. Tectonophysics, 2018, 744, 403-421.	2.2	49
17	Sr-Pb-Nd-Hf isotopes and 40Ar/39Ar ages reveal a Hawaii-style bend in the Rurutu hotspot. Earth and Planetary Science Letters, 2018, 500, 168-179.	4.4	32
18	Melting the lithosphere: Metasomes as a source for mantle-derived magmas. Earth and Planetary Science Letters, 2017, 461, 105-118.	4.4	63

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19	Editorial: The role of intraplate magmas and their inclusions in Earth's mantle evolution. <i>Chemical Geology</i> , 2017, 455, 1-5.	3.3	1
20	The Cenozoic magmatism of East-Africa: Part I – Flood basalts and pulsed magmatism. <i>Lithos</i> , 2017, 286-287, 264-301.	1.4	108
21	Insights into the lithosphere to asthenosphere melting transition in northeast Africa: Evidence from the Tertiary volcanism in middle Egypt. <i>Chemical Geology</i> , 2017, 455, 282-303.	3.3	13
22	Sub-continental lithospheric mantle deformation in the Yerer-Tullu Wellel Volcanotectonic Lineament: A study of peridotite xenoliths. <i>Chemical Geology</i> , 2017, 455, 249-263.	3.3	12
23	The making of an underplate: Pyroxenites from the Ethiopian lithosphere. <i>Chemical Geology</i> , 2017, 455, 264-281.	3.3	21
24	Enhanced East Pacific Rise hydrothermal activity during the last two glacial terminations. <i>Science</i> , 2016, 351, 478-482.	12.6	64
25	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	29
26	New Insights into North America's Midcontinent Rift. <i>Eos</i> , 2016, 97, .	0.1	14
27	Magmatic consequences of the transition from orthogonal to oblique subduction in the Andes. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4178-4208.	2.5	26
28	The origin of along-rift variations in faulting and magmatism in the Ethiopian Rift. <i>Tectonics</i> , 2015, 34, 464-477.	2.8	65
29	Introduction: Anatomy of rifting: Tectonics and magmatism in continental rifts, oceanic spreading centers, and transforms. <i>Tectonics</i> , 2015, 11, 1256-1261.		10
30	The role of continental lithosphere metasomes in the production of HIMU-like magmatism on the northeast African and Arabian plates. <i>Geology</i> , 2014, 42, 419-422.	4.4	84
31	Conditions of melt generation beneath the Taupo Volcanic Zone: The influence of heterogeneous mantle inputs on large-volume silicic systems. <i>Geology</i> , 2014, 42, 3-6.	4.4	41
32	Petrogenesis of a voluminous Quaternary adakitic volcano: the case of Baru volcano. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	21
33	The protracted development of focused magmatic intrusion during continental rifting. <i>Tectonics</i> , 2014, 33, 875-897.	2.8	47
34	Geochemical evidence of mantle reservoir evolution during progressive rifting along the western Afar margin. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 65-88.	3.9	50
35	The intimate relationship between strain and magmatism: A numerical treatment of clustered monogenetic fields in the Main Ethiopian Rift. <i>Tectonics</i> , 2013, 32, 49-64.	2.8	34
36	Elevated mantle temperature beneath East Africa. <i>Geology</i> , 2012, 40, 27-30.	4.4	132

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37	Peralkaline magma evolution and the tephra record in the Ethiopian Rift. Contributions To Mineralogy and Petrology, 2012, 164, 407-426.	3.1	73
38	Upper Mantle Pollution during Afar Plumeâ€“Continental Rift Interaction. Journal of Petrology, 2012, 53, 365-389.	2.8	88
39	Insights into extensional processes during magma assisted rifting: Evidence from aligned scoria cones. Journal of Volcanology and Geothermal Research, 2011, 201, 83-96.	2.1	79
40	Water-saturated magmas in the Panama Canal region: a precursor to adakite-like magma generation?. Contributions To Mineralogy and Petrology, 2011, 161, 373-388.	3.1	131
41	Origin of silicic volcanism in the Panamanian arc: evidence for a two-stage fractionation process at El Valle volcano. Contributions To Mineralogy and Petrology, 2011, 162, 1115-1138.	3.1	28
42	A model for the origin of rhyolites from South Mountain, Pennsylvania: Implications for rhyolites associated with large igneous provinces. Lithosphere, 2010, 2, 211-220.	1.4	5
43	Geochemical evidence of lithospheric thinning in the southern Main Ethiopian Rift. Lithos, 2010, 117, 33-48.	1.4	78
44	Crystal fractionation processes at Baru volcano from the deep to shallow crust. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	24
45	Lithospheric modification during crustal extension in the Main Ethiopian Rift. Journal of Geophysical Research, 2007, 112, .	3.3	110
46	Heads and tails: 30 million years of the Afar plume. Geological Society Special Publication, 2006, 259, 95-119.	1.3	84
47	Structure of the Ethiopian lithosphere: Xenolith evidence in the Main Ethiopian Rift. Geochimica Et Cosmochimica Acta, 2005, 69, 3889-3910.	3.9	105