

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

24
h-index

254184

43
g-index

48
all docs

48
docs citations

48
times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated mantle temperature beneath East Africa. <i>Geology</i> , 2012, 40, 27-30.	4.4	132
2	Water-saturated magmas in the Panama Canal region: a precursor to adakite-like magma generation?. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 373-388.	3.1	131
3	Lithospheric modification during crustal extension in the Main Ethiopian Rift. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	110
4	The Cenozoic magmatism of East-Africa: Part I " Flood basalts and pulsed magmatism. <i>Lithos</i> , 2017, 286-287, 264-301.	1.4	108
5	Structure of the Ethiopian lithosphere: Xenolith evidence in the Main Ethiopian Rift. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3889-3910.	3.9	105
6	Upper Mantle Pollution during Afar Plume"Continental Rift Interaction. <i>Journal of Petrology</i> , 2012, 53, 365-389.	2.8	88
7	Heads and tails: 30 million years of the Afar plume. <i>Geological Society Special Publication</i> , 2006, 259, 95-119.	1.3	84
8	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
9	Insights into extensional processes during magma assisted rifting: Evidence from aligned scoria cones. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 201, 83-96.	2.1	79
10	Geochemical evidence of lithospheric thinning in the southern Main Ethiopian Rift. <i>Lithos</i> , 2010, 117, 33-48.	1.4	78
11	Peralkaline magma evolution and the tephra record in the Ethiopian Rift. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 407-426.	3.1	73
12	The origin of along-rift variations in faulting and magmatism in the Ethiopian Rift. <i>Tectonics</i> , 2015, 34, 464-477.	2.8	65
13	Enhanced East Pacific Rise hydrothermal activity during the last two glacial terminations. <i>Science</i> , 2016, 351, 478-482.	12.6	64
14	Melting the lithosphere: Metasomes as a source for mantle-derived magmas. <i>Earth and Planetary Science Letters</i> , 2017, 461, 105-118.	4.4	63
15	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
16	Insights from North America's failed Midcontinent Rift into the evolution of continental rifts and passive continental margins. <i>Tectonophysics</i> , 2018, 744, 403-421.	2.2	49
17	The protracted development of focused magmatic intrusion during continental rifting. <i>Tectonics</i> , 2014, 33, 875-897.	2.8	47
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Sr ⁸⁷ /Sr ⁸⁶ , Pb ²⁰⁶ /Pb ²⁰⁷ , Nd ¹⁴³ /Nd ¹⁴² , Hf isotopes and 40Ar/39Ar ages reveal a Hawaiian-style bend in the Rurutu hotspot. <i>Earth and Planetary Science Letters</i> , 2018, 500, 168-179.	4.4	32
21	The Cenozoic magmatism of East Africa: Part V – Magma sources and processes in the East African Rift. <i>Lithos</i> , 2020, 360-361, 105296.	1.4	30
22	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
23	Origin of silicic volcanism in the Panamanian arc: evidence for a two-stage fractionation process at El Valle volcano. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 1115-1138.	3.1	28
24	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
25	Crystal fractionation processes at Baru volcano from the deep to shallow crust. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	24
26	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
27	The making of an underplate: Pyroxenites from the Ethiopian lithosphere. <i>Chemical Geology</i> , 2017, 455, 264-281.	3.3	21
28	The Cenozoic magmatism of East Africa: Part II – Rifting of the mobile belt. <i>Lithos</i> , 2020, 360-361, 105291.	1.4	21
29	Magmatically assisted off-rift extension – The case for broadly distributed strain accommodation. <i>Lithos</i> , 2018, 14, 1544-1563.		15
30	A compilation of igneous rock volumes at volcanic passive continental margins from interpreted seismic profiles. <i>Marine and Petroleum Geology</i> , 2020, 122, 104635.	3.3	15
31	The Cenozoic magmatism of East Africa: Part III – Rifting of the craton. <i>Lithos</i> , 2020, 360-361, 105390.	1.4	15
32	Constraining the Magmatic Plumbing System in a Zoned Continental Flood Basalt Province. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3917-3944.	2.5	14
33	New Insights into North America's Midcontinent Rift. <i>Eos</i> , 2016, 97, .	0.1	14
34	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
35	The impact on mantle olivine resulting from carbonated silicate melt interaction. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	3.1	13
36	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

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37	Introduction: Anatomy of rifting: Tectonics and magmatism in continental rifts, oceanic spreading centers, and transforms. , 2015, 11, 1256-1261.		10
38	The Cenozoic magmatism of East Africa: Part IV â€“ The terminal stages of rifting preserved in the Northern East African Rift System. Lithos, 2020, 360-361, 105381.	1.4	10
39	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
40	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
41	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
42	Transition to magma-driven rifting in the South Turkana Basin, Kenya: Part 2. Journal of the Geological Society, 2022, 179, .	2.1	6
43	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
44	Constraining the isotopic endmembers contributing to 1.1ÂGa Keweenaw large igneous province magmatism. Contributions To Mineralogy and Petrology, 2022, 177, 1.	3.1	5
45	PiAutoStage: An Openâ€Source 3D Printed Tool for the Automatic Collection of Highâ€Resolution Microscope Imagery. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009693.	2.5	3
46	Transcrustal magmatic systems: evidence from andesites of the southern Taupo Volcanic Zone. Journal of the Geological Society, 2022, 179, .	2.1	3
47	Editorial: The role of intraplate magmas and their inclusions in Earthâ€™s mantle evolution. Chemical Geology, 2017, 455, 1-5.	3.3	1