

Dereje Ayalew

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11492609/publications.pdf>

Version: 2024-02-01

40
papers

2,331
citations

394421

19
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood and Shield Basalts from Ethiopia: Magmas from the African Superswell. <i>Journal of Petrology</i> , 2004, 45, 793-834.	2.8	383
2	Evolution of the northern Main Ethiopian rift: birth of a triple junction. <i>Earth and Planetary Science Letters</i> , 2004, 224, 213-228.	4.4	354
3	Matching conjugate volcanic rifted margins: ⁴⁰ Ar/ ³⁹ Ar chrono-stratigraphy of pre- and syn-rift bimodal flood volcanism in Ethiopia and Yemen. <i>Earth and Planetary Science Letters</i> , 2002, 198, 289-306.	4.4	218
4	The northwestern Ethiopian Plateau flood basalts: Classification and spatial distribution of magma types. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 91-111.	2.1	205
5	Source, genesis, and timing of giant ignimbrite deposits associated with Ethiopian continental flood basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 1429-1448.	3.9	148
6	Lithospheric modification during crustal extension in the Main Ethiopian Rift. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	110
7	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
8	Trace elements in the gas emissions from the Erta Ale volcano, Afar, Ethiopia. <i>Chemical Geology</i> , 2013, 357, 95-116.	3.3	89
9	Modes of rifting in magma-rich settings: Tectono-magmatic evolution of Central Afar. <i>Tectonics</i> , 2016, 35, 2-38.	2.8	76
10	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
11	Crustal contribution to the genesis of Ethiopian plateau rhyolitic ignimbrites: basalt and rhyolite geochemical provinciality. <i>Journal of the Geological Society</i> , 2003, 160, 47-56.	2.1	66
12	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
13	Correlation of Indian Ocean tephra to individual Oligocene silicic eruptions from Afro-Arabian flood volcanism. <i>Earth and Planetary Science Letters</i> , 2003, 211, 311-327.	4.4	56
14	Head-to-tail transition of the Afar mantle plume: Geochemical evidence from a Miocene bimodal basalt-rhyolite succession in the Ethiopian Large Igneous Province. <i>Lithos</i> , 2009, 112, 461-476.	1.4	49
15	The protracted development of focused magmatic intrusion during continental rifting. <i>Tectonics</i> , 2014, 33, 875-897.	2.8	47
16	Comparison of rhyolites from continental rift, continental arc and oceanic island arc: Implication for the mechanism of silicic magma generation. <i>Island Arc</i> , 2011, 20, 78-93.	1.1	35
17	Geochemical and isotopic (Sr, Nd and Pb) characteristics of volcanic rocks from southwestern Ethiopia. <i>Journal of African Earth Sciences</i> , 1999, 29, 381-391.	2.0	32
18	Distinguishing Plume and Metasomatized Lithospheric Mantle Contributions to Post-Flood Basalt Volcanism on the Southeastern Ethiopian Plateau. <i>Journal of Petrology</i> , 2019, 60, 1063-1094.	2.8	27

#	ARTICLE	IF	CITATIONS
19	The making of an underplate: Pyroxenites from the Ethiopian lithosphere. <i>Chemical Geology</i> , 2017, 455, 264-281.	3.3	21
20	Insight into the origin of gabbro-dioritic cumulo-phyrlic aggregates from silicic ignimbrites: Sr and Ba zoning profiles of plagioclase phenocrysts from Oligocene Ethiopian Plateau rhyolites. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 233-245.	3.1	19
21	A new mantle xenolith locality from Simien shield volcano, NW Ethiopia. <i>Geological Magazine</i> , 2009, 146, 144-149.	1.5	17
22	Ferropicrite from the Lalibela area in the Ethiopian large igneous province. <i>Journal of Mineralogical and Petrological Sciences</i> , 2014, 109, 191-207.	0.9	15
23	The Precious Opal Deposit At Wegel Tena, Ethiopia: Formation Via Successive Pedogenesis Events. <i>Canadian Mineralogist</i> , 2017, 55, 701-723.	1.0	15
24	Magmatically assisted off-rift extension—The case for broadly distributed strain accommodation. , 2018, 14, 1544-1563.		15
25	Magmatic evolution of the Boku Volcanic Complex, Main Ethiopian Rift. <i>Journal of African Earth Sciences</i> , 2019, 149, 109-130.	2.0	15
26	Origin by fractional crystallization of transitional basalt for the Asela-Ziway pantellerites. Crustal control in the genesis of Plio-Quaternary bimodal magmatism of the Main Ethiopian Rift (MER): geochemical and isotopic (Sr, Nd, Pb) evidence by Trua et al. (1999). <i>Chemical Geology</i> , 2000, 168, 1-3.	3.3	13
27	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
28	Differential Fractionation of Rhyolites During the Course of Crustal Extension, Western Afar (Ethiopian Rift). <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 571-593.	2.5	12
29	The relations between felsic and mafic volcanic rocks in continental flood basalts of Ethiopia: implication for the thermal weakening of the crust. <i>Geological Society Special Publication</i> , 2011, 357, 253-264.	1.3	9
30	Chemical erosion rates in the upper Blue Nile Basin and related atmospheric CO ₂ consumption. <i>Chemical Geology</i> , 2019, 518, 19-31.	3.3	7
31	Stratigraphic framework of the northeastern part of the Ethiopian flood basalt province. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	6
32	Sub-lithospheric source for Quaternary alkaline Tepi shield, southwest Ethiopia. <i>Geochemical Journal</i> , 2006, 40, 47-56.	1.0	5
33	Atmospheric helium isotope composition as a tracer of volcanic emissions: A case study of Erta Ale volcano, Ethiopia. <i>Chemical Geology</i> , 2018, 480, 3-11.	3.3	4
34	Pedogenic origin of Mezezo opal hosted in Ethiopian Miocene rhyolites. <i>Canadian Mineralogist</i> , 2020, 58, 231-246.	1.0	3
35	Possible correlation of Oligocene climate changes with Ethiopian Oligocene ignimbrite eruptions. <i>Arabian Journal of Geosciences</i> , 2012, 5, 999-1002.	1.3	2
36	Petrogenesis of hirma mafic lavas, in southeastern Ethiopia volcanic province: Assessments from major and trace elements. <i>Journal of African Earth Sciences</i> , 2020, 164, 103799.	2.0	2

#	ARTICLE	IF	CITATIONS
37	Effusive Badi Silicic Volcano (Central Afar, Ethiopian Rift); Sparse Evidence for Pyroclastic Rocks. , 0, , .		2
38	Controls on sediment distribution in a volcanically-affected basin: insights from the Ethiopian Flood Basalt Province. Geological Society Special Publication, 2023, 520, 353-376.	1.3	1
39	Metallogenic implication of volcanic quiescence during continental flood basalt eruption “ the case of sediment hosted Mn-Fe mineralization in the Ethiopian volcanic plateau. Ore Geology Reviews, 2022, , 104884.	2.7	0
40	Mineralogy of Peralkaline Silicic Volcanics: Information from Kone Volcano, Ethiopian Rift Valley. , 0, , .		0