

Erin L Matchan

List of Publications by Year in descending order

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26
papers

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#	ARTICLE	IF	CITATIONS
1	Ultra-high precision $^{40}\text{Ar}/^{39}\text{Ar}$ ages for Fish Canyon Tuff and Alder Creek Rhyolite sanidine: New dating standards required?. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 229-239.	3.9	134
2	Mesozoic Orogenic Gold Mineralization in the Jiaodong Peninsula, China: A Focused Event at 120 ± 2 Ma During Cooling of Pregold Granite Intrusions. <i>Economic Geology</i> , 2020, 115, 415-441.	3.8	110
3	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 461-487.	3.3	102
4	Astronomical calibration of $^{40}\text{Ar}/^{39}\text{Ar}$ reference minerals using high-precision, multi-collector (ARGUSVI) mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 351-369.	3.9	67
5	New $^{40}\text{Ar}/^{39}\text{Ar}$ ages for selected young ($< 1 \text{ Ma}$) basalt flows of the Newer Volcanic Province, southeastern Australia. <i>Quaternary Geochronology</i> , 2011, 6, 356-368.	1.4	40
6	High precision multi-collector $^{40}\text{Ar}/^{39}\text{Ar}$ dating of young basalts: Mount Rouse volcano (SE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	1.4	35
7	$^{40}\text{Ar}/^{39}\text{Ar}$ geochronology reveals rapid change from plume-assisted to stress-dependent volcanism in the Newer Volcanic Province, SE Australia. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1065-1089.	2.5	22
8	Southwestern Africa on the burner: Pleistocene carbonatite volcanism linked to deep mantle upwelling in Angola. <i>Geology</i> , 2017, 45, 971-974.	4.4	17
9	A comparison of geochronological methods commonly applied to kimberlites and related rocks: Three case studies from Finland. <i>Chemical Geology</i> , 2020, 558, 119899.	3.3	16
10	An evidence-based approach to accurate interpretation of $^{40}\text{Ar}/^{39}\text{Ar}$ ages from basaltic rocks. <i>Earth and Planetary Science Letters</i> , 2018, 498, 65-76.	4.4	15
11	Early human occupation of southeastern Australia: New insights from $^{40}\text{Ar}/^{39}\text{Ar}$ dating of young volcanoes. <i>Geology</i> , 2020, 48, 390-394.	4.4	15
12	Provenance of Cape Supergroup sediments and timing of Cape Fold Belt orogenesis: Constraints from high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating of muscovite. <i>Gondwana Research</i> , 2019, 70, 201-221.	6.0	12
13	Thermotectonic evolution of the western margin of the Yilgarn craton, Western Australia: New insights from $^{40}\text{Ar}/^{39}\text{Ar}$ analysis of muscovite and biotite. <i>Precambrian Research</i> , 2015, 270, 139-154.	2.7	11
14	The geochemistry, petrogenesis and age of an unusual alkaline intrusion in the western Pilbara craton, Western Australia. <i>Lithos</i> , 2009, 112, 419-428.	1.4	10
15	Provenance history of detrital diamond deposits, West Coast of Namaqualand, South Africa. <i>Mineralogy and Petrology</i> , 2018, 112, 259-273.	1.1	10
16	Revised astronomically calibrated $^{40}\text{Ar}/^{39}\text{Ar}$ ages for the Fish Canyon Tuff sanidine – Closing the interlaboratory gap. <i>Chemical Geology</i> , 2022, 597, 120815.	3.3	10
17	$^{40}\text{Ar}/^{39}\text{Ar}$ ages of alkali feldspar xenocrysts constrain the timing of intraplate basaltic volcanism. <i>Quaternary Geochronology</i> , 2018, 47, 14-28.	1.4	9
18	Reactivation of Magma Pathways: Insights From Field Observations, Geochronology, Geomechanical Tests, and Numerical Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021477.	3.4	8

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19	Quaternary volcanic evolution in the continental back-arc of southern Mendoza, Argentina. <i>Journal of South American Earth Sciences</i> , 2018, 84, 88-103.	1.4	7
20	Geochronological, morphometric and geochemical constraints on the Pampas Onduladas long basaltic flow (Payán Matrón Volcanic Field, Mendoza, Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 289, 114-129.	2.1	6
21	The Hera orebody: A complex distal (Au–Zn–Pb–Ag–Cu) skarn in the Cobar Basin of central New South Wales, Australia. <i>Resource Geology</i> , 2021, 71, 296-319.	0.8	6
22	A new ⁴⁰ Ar/ ³⁹ Ar eruption age for the Mount Widderin volcano, Newer Volcanic Province, Australia, with implications for eruption frequency in the region. <i>Australian Journal of Earth Sciences</i> , 2016, 63, 175-186.	1.0	5
23	Basalt lava flows of the intraplate Newer Volcanic Province in south-east Australia (Melbourne) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Geothermal Research, 2020, 389, 106730.	2.1	5
24	Reply to Murray-Wallace, C.V. Comment on Matchan and Phillips, 2011. New ⁴⁰ Ar/ ³⁹ Ar ages for selected young (<1 Ma) basalt flows of the Newer Volcanic Province, southeastern Australia. <i>Quaternary Geochronology</i> , 2011, 6, 600.	1.4	0
25	Production of ²¹ Ne in depth-profiled olivine from a 54 Ma basalt sequence, Eastern Highlands (37° S), Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 276-290.	3.9	0
26	Major element data, ⁴⁰ Ar/ ³⁹ Ar step-heating and step-crushing data for anorthoclase megacrysts from the Newer Volcanic Province, south-eastern Australia. <i>Data in Brief</i> , 2018, 19, 1847-1851.	1.0	0