

Eric Tohver

List of Publications by Year in descending order

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81
papers

4,423
citations

109321

35
h-index

106344

65
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82
all docs

82
docs citations

82
times ranked

3420
citing authors

#	ARTICLE	IF	CITATIONS
1	Astronomically forced cycles in Middle Permian fluvial sediments from Karoo Basin (South Africa). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 596, 110973.	2.3	5
2	Constraining the Cambrian drift of Gondwana with new paleomagnetic data from post-collisional plutons of the Araçuaí-orogen, SE Brazil. <i>Precambrian Research</i> , 2021, 359, 106212.	2.7	5
3	New high-quality paleomagnetic data from the Borborema Province (NE Brazil): Refinement of the APW path of Gondwana in the Early Cambrian. <i>Precambrian Research</i> , 2021, 360, 106243.	2.7	5
4	Cryptic excess argon in metamorphic biotite: Anomalously old $^{40}\text{Ar}/^{39}\text{Ar}$ plateau dates tested with Rb/Sr thermochronology and Ar diffusion modelling. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 1-23.	3.9	8
5	High-Resolution Late Devonian Magnetostratigraphy From the Canning Basin, Western Australia: A Re-Evaluation. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
6	Southward Drift of Eastern Australian Hotspots in the Paleomagnetic Reference Frame Is Consistent With Global True Polar Wander Estimates. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
7	Zircon U-Pb geochronology and Nd-Pb isotope geochemistry of Blue Ridge basement in the eastern Great Smoky Mountains, U.S.A.: Implications for the Proterozoic tectonic evolution of the southeastern Laurentian margin. <i>Numerische Mathematik</i> , 2020, 320, 677-729.	1.4	8
8	Magnetic Fabric and Geochronology of a Cambrian ϵ -Isotropic Pluton in the Neoproterozoic Araçuaí-Orogen. <i>Tectonics</i> , 2020, 39, e2019TC005877.	2.8	11
9	Primordial and recycled helium isotope signatures in the mantle transition zone. <i>Science</i> , 2019, 365, 692-694.	12.6	21
10	Paleomagnetism of Oligocene Hot Spot Volcanics in Central Queensland, Australia. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6280-6296.	3.4	11
11	Detrital zircon provenance of Permo-Carboniferous glacial diamictites across Gondwana. <i>Earth-Science Reviews</i> , 2019, 192, 285-316.	9.1	50
12	Trace elements in titanite: A potential tool to constrain polygenetic growth processes and timing. <i>Chemical Geology</i> , 2019, 509, 1-19.	3.3	43
13	Calibrando la transición ediacárico-cámbrica en Gondwana sudeccidental. <i>Estudios Geológicos</i> , 2019, 75, 118.	0.2	0
14	End-Permian impactogenic earthquake and tsunami deposits in the intracratonic Paraná Basin of Brazil. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1099-1120.	3.3	26
15	Primary hydrous minerals from the Karoo LIP magmas: Evidence for a hydrated source component. <i>Earth and Planetary Science Letters</i> , 2018, 503, 181-193.	4.4	10
16	Palaeomagnetism of mid-Miocene leucite volcanics in eastern Australia. <i>Geophysical Journal International</i> , 2018, 215, 303-313.	2.4	6
17	Middle Permian paleomagnetism of the Sydney Basin, Eastern Gondwana: Testing Pangea models and the timing of the end of the Kiaman Reverse Superchron. <i>Tectonophysics</i> , 2017, 699, 178-198.	2.2	42
18	Shocked monazite chronometry: integrating microstructural and in situ isotopic age data for determining precise impact ages. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	44

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19	Jurassic cooling ages in Paleozoic to early Mesozoic granitoids of northeastern Patagonia: $^{40}\text{Ar}/^{39}\text{Ar}$, ^{40}K - ^{40}Ar mica and ^{206}Pb zircon evidence. <i>International Journal of Earth Sciences</i> , 2017, 106, 2343-2357.	1.8	16
20	A pressure-temperature phase diagram for zircon at extreme conditions. <i>Earth-Science Reviews</i> , 2017, 165, 185-202.	9.1	128
21	Corrigendum to "Late Devonian carbonate magnetostratigraphy from the Oscar and Horse Spring Ranges, Lennard Shelf, Canning Basin, Western Australia" [<i>Earth Planet. Sci. Lett.</i> 409 (2015) 232-242]. <i>Earth and Planetary Science Letters</i> , 2017, 478, 46.	4.4	0
22	Refining the chronostratigraphy of the Karoo Basin, South Africa: magnetostratigraphic constraints support an early Permian age for the Eccra Group. <i>Geophysical Journal International</i> , 2017, 211, 1354-1374.	2.4	19
23	The two Suvasvesi impact structures, Finland: Argon isotopic evidence for a "false" impact crater doublet. <i>Meteoritics and Planetary Science</i> , 2016, 51, 966-980.	1.6	9
24	The timing of the Cape Orogeny: New $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on deformation and cooling of the Cape Fold Belt, South Africa. <i>Gondwana Research</i> , 2016, 32, 122-137.	6.0	52
25	An Elevated Perspective: Dyke-Related Fracture Networks Analysed with Uav Photogrammetry. <i>Acta Geologica Sinica</i> , 2016, 90, 54-55.	1.4	6
26	Rapid cooling and exhumation in the western part of the Mesoproterozoic Albany-Fraser Orogen, Western Australia. <i>Precambrian Research</i> , 2015, 265, 232-248.	2.7	56
27	Magnetostratigraphic constraints on the age of the lower Beaufort Group, western Karoo basin, South Africa, and a critical analysis of existing ^{206}Pb geochronological data. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3649-3665.	2.5	12
28	New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Clearwater Lake impact structures (Quebec, Canada) "Not the binary asteroid impact it seems?". <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 304-324.	3.9	29
29	Late Devonian carbonate magnetostratigraphy from the Oscar and Horse Spring Ranges, Lennard Shelf, Canning Basin, Western Australia. <i>Earth and Planetary Science Letters</i> , 2015, 409, 232-242.	4.4	20
30	Zircons from the Acraman impact melt rock (South Australia): Shock metamorphism, ^{206}Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ systematics, and implications for the isotopic dating of impact events. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 71-100.	3.9	48
31	Meteorite traces on a shatter cone surface from the Agoudal impact site, Morocco. <i>Geological Magazine</i> , 2015, 152, 751-757.	1.5	9
32	Upper Kellwasser carbon isotope excursion pre-dates the Fr-F boundary in the Upper Devonian Lennard Shelf carbonate system, Canning Basin, Western Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 438, 180-190.	2.3	23
33	The late Neoproterozoic Sierra de las Animas Magmatic Complex and Playa Hermosa Formation, southern Uruguay, revisited: Paleogeographic implications of new paleomagnetic and precise geochronologic data. <i>Precambrian Research</i> , 2015, 259, 143-155.	2.7	39
34	Age and paleomagnetism of the 1210Ma Gnowangerup-Fraser dyke swarm, Western Australia, and implications for late Mesoproterozoic paleogeography. <i>Precambrian Research</i> , 2014, 246, 1-15.	2.7	50
35	Liquefaction of sedimentary rocks during impact crater development. <i>Earth and Planetary Science Letters</i> , 2014, 408, 285-295.	4.4	9
36	Palaeomagnetism of the Permo-Triassic Araguainha impact structure (Central Brazil) and implications for Pangean reconstructions. <i>Geophysical Journal International</i> , 2014, 198, 154-163.	2.4	10

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37	40Ar/39Ar age of the Lake Saint Martin impact structure (Canada) – Unchaining the Late Triassic terrestrial impact craters. <i>Earth and Planetary Science Letters</i> , 2014, 406, 37-48.	4.4	30
38	Architectural Styles and Sedimentology of the Fluvial Lower Beaufort Group, Karoo Basin, South Africa. <i>Journal of Sedimentary Research</i> , 2014, 84, 326-348.	1.6	51
39	Episodic Triassic magmatism in the western South Qinling Orogen, central China, and its implications. <i>Geological Journal</i> , 2014, 49, 402-423.	1.3	33
40	Comment on "Was there an Ediacaran Clymene Ocean in central South America?" By U. G. Cordani and others. <i>Numerische Mathematik</i> , 2014, 314, 805-813.	1.4	22
41	Shaking a methane fizz: Seismicity from the Araguinha impact event and the Permian–Triassic global carbon isotope record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 387, 66-75.	2.3	28
42	Geological and thermochronological studies of the Dashui gold deposit, West Qinling Orogen, Central China. <i>Mineralium Deposita</i> , 2013, 48, 397-412.	4.1	32
43	The South American ancestry of the North Patagonian Massif: geochronological evidence for an autochthonous origin?. <i>Terra Nova</i> , 2013, 25, 337-342.	2.1	50
44	Upper Permian magnetic stratigraphy of the lower Beaufort Group, Karoo Basin. <i>Earth and Planetary Science Letters</i> , 2013, 375, 123-134.	4.4	86
45	Late Permian-Triassic magmatic evolution in the Jinshajiang orogenic belt, SW China and implications for orogenic processes following closure of the Paleo-Tethys. <i>Numerische Mathematik</i> , 2013, 313, 81-112.	1.4	112
46	The Mesoproterozoic Guaporé suture in the SW Amazonian Craton: Geotectonic implications based on field geology, zircon geochronology and Nd–Sr isotope geochemistry. <i>Journal of South American Earth Sciences</i> , 2013, 48, 271-295.	1.4	32
47	Episodic Remagnetizations related to tectonic events and their consequences for the South America Polar Wander Path. <i>Geological Society Special Publication</i> , 2012, 371, 55-87.	1.3	20
48	Magnetic fabric of Araguinha complex impact structure (Central Brazil): Implications for deformation mechanisms and central uplift formation. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 347-359.	4.4	13
49	Geochronological constraints on the age of a Permian–Triassic impact event: U–Pb and 40Ar/39Ar results for the 40km Araguinha structure of central Brazil. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 214-227.	3.9	74
50	Contrasting rift and subduction-related plagiogranites in the Jinshajiang ophiolitic mélange, southwest China, and implications for the Paleotethys. <i>Tectonics</i> , 2012, 31, .	2.8	102
51	Phanerozoic polar wander, palaeogeography and dynamics. <i>Earth-Science Reviews</i> , 2012, 114, 325-368.	9.1	1,088
52	The 1420Ma Indivaí Mafic Intrusion (SW Amazonian Craton): Paleomagnetic results and implications for the Columbia supercontinent. <i>Gondwana Research</i> , 2012, 22, 956-973.	6.0	52
53	Closure of the Clymene Ocean and formation of West Gondwana in the Cambrian: Evidence from the Sierras Australes of the southernmost Rio de la Plata craton, Argentina. <i>Gondwana Research</i> , 2012, 21, 394-405.	6.0	95
54	Ages (U–Pb SHRIMP and LA ICPMS) and stratigraphic evolution of the Neoproterozoic volcano-sedimentary successions from the extensional Camaquã Basin, Southern Brazil. <i>Gondwana Research</i> , 2012, 21, 466-482.	6.0	50

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55	Assembling two easy pieces: the geology of western Gondwana and plate tectonic theory - An introduction to the special volume. <i>Gondwana Research</i> , 2012, 21, 311-315.	6.0	8
56	Generation of Early Indosinian enriched mantle-derived granitoid pluton in the Sanjiang Orogen (SW Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	131
57	Triassic collision in the Paleo-Tethys Ocean constrained by volcanic activity in SW China. <i>Lithos</i> , 2012, 144-145, 145-160.	1.4	145
58	New Late Permian paleomagnetic data from Argentina: Refinement of the apparent polar wander path of Gondwana. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	42
59	Structural evolution and U ⁴⁰ Pb SHRIMP zircon ages of the Neoproterozoic Maria da F ³ shear zone, central Ribeira Belt - SE Brazil. <i>Journal of South American Earth Sciences</i> , 2011, 31, 199-213.	1.4	22
60	Paleomagnetism and ⁴⁰ Ar/ ³⁹ Ar geochronology of the high-grade metamorphic rocks of the Jequi ³ block, S ³ o Francisco Craton: Atlantica, Ur and beyond. <i>Precambrian Research</i> , 2011, 185, 183-201.	2.7	31
61	Support for an "A-type" Pangea reconstruction from high-fidelity Late Permian and Early to Middle Triassic paleomagnetic data from Argentina. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
62	Quantifying rates of dome-and-keel formation in the Barberton granitoid-greenstone belt, South Africa. <i>Precambrian Research</i> , 2010, 177, 199-211.	2.7	42
63	Closing the Clymene ocean and bending a Brasiliano belt: Evidence for the Cambrian formation of Gondwana, southeast Amazon craton. <i>Geology</i> , 2010, 38, 267-270.	4.4	99
64	Neoproterozoic glacial dynamics revealed by provenance of diamictites of the Bebedouro Formation, S ³ o Francisco Craton, Central Eastern Brazil. <i>Terra Nova</i> , 2009, 21, 375-385.	2.1	28
65	A palaeomagnetic and ⁴⁰ Ar/ ³⁹ Ar study of late precambrian sills in the SW part of the Amazonian craton: Amazonia in the Rodinia reconstruction. <i>Geophysical Journal International</i> , 2009, 178, 106-122.	2.4	33
66	The continental record of Ediacaran volcano ³ sedimentary successions in southern Brazil and their global implications. <i>Terra Nova</i> , 2008, 20, 259-266.	2.1	50
67	Direct dating of paleomagnetic results from Precambrian sediments in the Amazon craton: Evidence for Grenvillian emplacement of exotic crust in SE Appalachians of North America. <i>Earth and Planetary Science Letters</i> , 2008, 267, 188-199.	4.4	58
68	Direct dating of carbonate remagnetization by ⁴⁰ Ar/ ³⁹ Ar analysis of the smectite ³ illite transformation. <i>Earth and Planetary Science Letters</i> , 2008, 274, 524-530.	4.4	48
69	Structural evolution of the 40 km wide Araguinha impact structure, central Brazil. <i>Meteoritics and Planetary Science</i> , 2008, 43, 701-716.	1.6	30
70	Insights into the morphology, geometry, and post-impact erosion of the Araguinha peak-ring structure, central Brazil. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 1135-1150.	3.3	30
71	Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoproterozoic Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and ⁴⁰ Ar/ ³⁹ Ar geochronology. <i>Precambrian Research</i> , 2007, 157, 144-168.	2.7	15
72	LTD-Thellier paleointensity of 1.2 Ga Nova Floresta mafic rocks (Amazon craton). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	7

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73	Paleomagnetic record of Africa and South America for the 1200–500Ma interval, and evaluation of Rodinia and Gondwana assemblies. <i>Precambrian Research</i> , 2006, 147, 193-222.	2.7	195
74	Restored transect across the exhumed Grenville orogen of Laurentia and Amazonia, with implications for crustal architecture. <i>Geology</i> , 2006, 34, 669.	4.4	97
75	Late Mesoproterozoic Deformation of SW Amazonia (Rondônia, Brazil): Geochronological and Structural Evidence for Collision with Southern Laurentia. <i>Journal of Geology</i> , 2005, 113, 309-323.	1.4	48
76	Two stage tectonic history of the SW Amazon craton in the late Mesoproterozoic: identifying a cryptic suture zone. <i>Precambrian Research</i> , 2005, 137, 35-59.	2.7	47
77	Significance of the Nova Brasil-Índia metasedimentary belt in western Brazil: Redefining the Mesoproterozoic boundary of the Amazon craton. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	57
78	Terrane transfer during the Grenville orogeny: tracing the Amazonian ancestry of southern Appalachian basement through Pb and Nd isotopes. <i>Earth and Planetary Science Letters</i> , 2004, 228, 161-176.	4.4	112
79	Paleogeography of the Amazon craton at 1.2 Ga: early Grenvillian collision with the Llano segment of Laurentia. <i>Earth and Planetary Science Letters</i> , 2002, 199, 185-200.	4.4	165
80	Interaction of flexural shear, S ₁ -C fabrics, and oblique shear during folding of micaceous quartzite. <i>Journal of Structural Geology</i> , 2002, 24, 1087-1099.	2.3	6
81	On the development of zones of reverse shearing in mylonitic rocks. <i>Journal of Structural Geology</i> , 1999, 21, 1603-1614.	2.3	34