

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
g-index

82
all docs

82
docs citations

82
times ranked

3420
citing authors

#	ARTICLE	IF	CITATIONS
1	Phanerozoic polar wander, palaeogeography and dynamics. <i>Earth-Science Reviews</i> , 2012, 114, 325-368.	9.1	1,088
2	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
3	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
4	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
5	Generation of Early Indosinian enriched mantle-derived granitoid pluton in the Sanjiang Orogen (SW Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	131
6	A pressure-temperature phase diagram for zircon at extreme conditions. <i>Earth-Science Reviews</i> , 2017, 165, 185-202.	9.1	128
7	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
8	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
9	Contrasting rift and subduction-related plagiogranites in the Jinshajiang ophiolitic mélange, southwest China, and implications for the Paleo-Tethys. <i>Tectonics</i> , 2012, 31, .	2.8	102
10	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
11	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
12	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
13	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
14	Geochronological constraints on the age of a Permian-Triassic impact event: U–Pb and ⁴⁰ Ar/ ³⁹ Ar results for the 40km Araguainha structure of central Brazil. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 214-227.	3.9	74
15	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
16	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
17	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
18	The 1420Ma Indiava-Índia Mafic Intrusion (SW Amazonian Craton): Paleomagnetic results and implications for the Columbia supercontinent. <i>Gondwana Research</i> , 2012, 22, 956-973.	6.0	52

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19	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
20	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
21	The continental record of Ediacaran volcano-sedimentary successions in southern Brazil and their global implications. <i>Terra Nova</i> , 2008, 20, 259-266.	2.1	50
22	Ages ($^{206}\text{Pb}/^{238}\text{U}$ 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
23	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
24	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
25	Detrital zircon provenance of Permo-Carboniferous glacial diamictites across Gondwana. <i>Earth-Science Reviews</i> , 2019, 192, 285-316.	9.1	50
26	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
27	Direct dating of carbonate remagnetization by $^{40}\text{Ar}/^{39}\text{Ar}$ analysis of the smectite-illite transformation. <i>Earth and Planetary Science Letters</i> , 2008, 274, 524-530.	4.4	48
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	On the development of zones of reverse shearing in mylonitic rocks. <i>Journal of Structural Geology</i> , 1999, 21, 1603-1614.	2.3	34
38	A palaeomagnetic and $^{40}\text{Ar}/^{39}\text{Ar}$ 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
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	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
41	The Mesoproterozoic GuaporÃ© 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
42	Paleomagnetism and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of the high-grade metamorphic rocks of the JequiÃ© block, SÃ£o Francisco Craton: Atlantica, Ur and beyond. <i>Precambrian Research</i> , 2011, 185, 183-201.	2.7	31
43	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
44	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
45	$^{40}\text{Ar}/^{39}\text{Ar}$ age of the Lake Saint Martin impact structure (Canada) â€“ Unchaining the Late Triassic terrestrial impact craters. <i>Earth and Planetary Science Letters</i> , 2014, 406, 37-48.	4.4	30
46	New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Clearwater Lake impact structures (QuÃ©bec, Canada) â€“ Not the binary asteroid impact it seems?. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 304-324.	3.9	29
47	Neoproterozoic glacial dynamics revealed by provenance of diamictites of the Bebedouro Formation, SÃ£o Francisco Craton, Central Eastern Brazil. <i>Terra Nova</i> , 2009, 21, 375-385.	2.1	28
48	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
49	End-Permian impactogenic earthquake and tsunami deposits in the intracratonic ParanÃ¡ Basin of Brazil. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1099-1120.	3.3	26
50	Upper Kellwasser carbon isotope excursion pre-dates the F-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
51	Structural evolution and U-Pb SHRIMP zircon ages of the Neoproterozoic Maria da FÃ© shear zone, central Ribeira Belt â€“ SE Brazil. <i>Journal of South American Earth Sciences</i> , 2011, 31, 199-213.	1.4	22
52	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
53	Primordial and recycled helium isotope signatures in the mantle transition zone. <i>Science</i> , 2019, 365, 692-694.	12.6	21
54	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

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55	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
56	Refining the chronostratigraphy of the Karoo Basin, South Africa: magnetostratigraphic constraints support an early Permian age for the Ecca Group. <i>Geophysical Journal International</i> , 2017, 211, 1354-1374.	2.4	19
57	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 - ^{238}U zircon evidence. <i>International Journal of Earth Sciences</i> , 2017, 106, 2343-2357.	1.8	16
58	Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoproterozoic Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Precambrian Research</i> , 2007, 157, 144-168.	2.7	15
59	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
60	Magnetostratigraphic constraints on the age of the lower Beaufort Group, western Karoo basin, South Africa, and a critical analysis of existing U-Pb geochronological data. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3649-3665.	2.5	12
61	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
62	Magnetic Fabric and Geochronology of a Cambrian ϵ -Pluton in the Neoproterozoic Araçuaia-Orogen. <i>Tectonics</i> , 2020, 39, e2019TC005877.	2.8	11
63	Palaeomagnetism of the Permo-Triassic Araguinha impact structure (Central Brazil) and implications for Pangean reconstructions. <i>Geophysical Journal International</i> , 2014, 198, 154-163.	2.4	10
64	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
65	Liquefaction of sedimentary rocks during impact crater development. <i>Earth and Planetary Science Letters</i> , 2014, 408, 285-295.	4.4	9
66	Meteorite traces on a shatter cone surface from the Agoudal impact site, Morocco. <i>Geological Magazine</i> , 2015, 152, 751-757.	1.5	9
67	The two Suvasvesi impact structures, Finland: Argon isotopic evidence for a ϵ -impact crater doublet. <i>Meteoritics and Planetary Science</i> , 2016, 51, 966-980.	1.6	9
68	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
69	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
70	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
71	LTD-Thellier paleointensity of 1.2 Ga Nova Floresta mafic rocks (Amazon craton). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	7
72	Interaction of flexural shear, S - C fabrics, and oblique shear during folding of micaceous quartzite. <i>Journal of Structural Geology</i> , 2002, 24, 1087-1099.	2.3	6

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73	An Elevated Perspective: Dyke-Related Fracture Networks Analysed with Uav Photogrammetry. Acta Geologica Sinica, 2016, 90, 54-55.	1.4	6
74	Palaeomagnetism of mid-Miocene leucitite volcanics in eastern Australia. Geophysical Journal International, 2018, 215, 303-313.	2.4	6
75	Southward Drift of Eastern Australian Hotspots in the Paleomagnetic Reference Frame Is Consistent With Global True Polar Wander Estimates. Frontiers in Earth Science, 2020, 8, .	1.8	5
76	Constraining the Cambrian drift of Gondwana with new paleomagnetic data from post-collisional plutons of the Araçuaia-orogen, SE Brazil. Precambrian Research, 2021, 359, 106212.	2.7	5
77	New high-quality paleomagnetic data from the Borborema Province (NE Brazil): Refinement of the APW path of Gondwana in the Early Cambrian. Precambrian Research, 2021, 360, 106243.	2.7	5
78	Astronomically forced cycles in Middle Permian fluvial sediments from Karoo Basin (South Africa). Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 596, 110973.	2.3	5
79	High-Resolution Late Devonian Magnetostratigraphy From the Canning Basin, Western Australia: A Re-Evaluation. Frontiers in Earth Science, 2021, 9, .	1.8	3
80	Corrigendum to "Late Devonian carbonate magnetostratigraphy from the Oscar and Horse Spring Ranges, Lennard Shelf, Canning Basin, Western Australia" [Earth Planet. Sci. Lett. 409 (2015) 232-242]. Earth and Planetary Science Letters, 2017, 478, 46.	4.4	0
81	Calibrando la transición ediacárico-cámbrica en Gondwana sudeste. Estudios Geológicos, 2019, 75, 118.	0.2	0