David A D Evans

List of Publications by Year
in descending order

101	7,954	50276	48315
papers	citations	46 h-index	88 g-index

104	104	104	3827
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pre-Rodinia supercontinent Nuna shaping up: A global synthesis with new paleomagnetic results from North China. Earth and Planetary Science Letters, 2012, 353-354, 145-155.	4.4	434
2	Assembly and breakup of the core of Paleoproterozoic-Mesoproterozoic supercontinent Nuna. Geology, 2011, 39, 443-446.	4.4	416
3	Neoproterozoic glaciations in a revised global palaeogeography from the breakup of Rodinia to the assembly of Gondwanaland. Sedimentary Geology, 2013, 294, 219-232.	2.1	406
4	Age of Neoproterozoic Bilatarian Body and Trace Fossils, White Sea, Russia: Implications for Metazoan Evolution. Science, 2000, 288, 841-845.	12.6	354
5	Low-latitude glaciation in the Palaeoproterozoic era. Nature, 1997, 386, 262-266.	27.8	312
6	Evidence for a Large-Scale Reorganization of Early Cambrian Continental Masses by Inertial Interchange True Polar Wander. Science, 1997, 277, 541-545.	12.6	293
7	A 90Â° spin on Rodinia: possible causal links between the Neoproterozoic supercontinent, superplume, true polar wander and low-latitude glaciation. Earth and Planetary Science Letters, 2004, 220, 409-421.	4.4	224
8	Rodinia connections between Australia and Laurentia: no SWEAT, no AUSWUS?. Terra Nova, 2002, 14, 121-128.	2.1	218
9	Models of Rodinia assembly and fragmentation. Geological Society Special Publication, 2003, 206, 35-55.	1.3	205
10	True polar wander and supercontinents. Tectonophysics, 2003, 362, 303-320.	2.2	203
11	The palaeomagnetically viable, long-lived and all-inclusive Rodinia supercontinent reconstruction. Geological Society Special Publication, 2009, 327, 371-404.	1.3	179
12	Tempo and mode of early animal evolution: inferences from rocks, Hox, and molecular clocks. Paleobiology, 2005, 31, 36-55.	2.0	158
13	Proterozoic low orbital obliquity and axial-dipolar geomagnetic field from evaporite palaeolatitudes. Nature, 2006, 444, 51-55.	27.8	155
14	Supercontinent cycles and the calculation of absolute palaeolongitude in deep time. Nature, 2012, 482, 208-211.	27.8	153
15	Late Neoproterozoic 40Â intraplate rotation within Australia allows for a tighter-fitting and longer-lasting Rodinia. Geology, 2011, 39, 39-42.	4.4	146
16	Eocene greenhouse climate revealed by coupled clumped isotope-Mg/Ca thermometry. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1174-1179.	7.1	146
17	Validating the existence of Vaalbara in the Neoarchean. Precambrian Research, 2009, 174, 145-154.	2.7	141
18	A high-quality mid-Neoproterozoic paleomagnetic pole from South China, with implications for ice ages and the breakup configuration of Rodinia. Precambrian Research, 2000, 100, 313-334.	2.7	138

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19	Global water cycle and the coevolution of the Earthâ€™s interior and surface environment. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150393.	3.4	119
20	True polar wander, a supercontinental legacy. Earth and Planetary Science Letters, 1998, 157, 1-8.	4.4	117
21	Correlations and reconstruction models for the 2500-1500 Ma evolution of the Mawson Continent. Geological Society Special Publication, 2009, 323, 319-355.	1.3	113
22	New paleomagnetic results from the Ediacaran Doushantuo Formation in South China and their paleogeographic implications. Precambrian Research, 2015, 259, 130-142.	2.7	112
23	Metallogeny and its link to orogenic style during the Nuna supercontinent cycle. Geological Society Special Publication, 2016, 424, 83-94.	1.3	101
24	Globally synchronous Marinoan deglaciation indicated by U-Pb geochronology of the Cottons Breccia, Tasmania, Australia. Geology, 2013, 41, 1127-1130.	4.4	98
25	The magnificent seven: A proposal for modest revision of the quality index. Tectonophysics, 2020, 790, 228549.	2.2	97
26	Paleomagnetism of the late Cryogenian Nantuo Formation and paleogeographic implications for the South China Block. Journal of Asian Earth Sciences, 2013, 72, 164-177.	2.3	96
27	A fundamental Precambrianâ€“Phanerozoic shift in earth's glacial style?. Tectonophysics, 2003, 375, 353-385.	2.2	95
28	Paleomagnetism and Uâ€“Pb geochronology of Franklin dykes in High Arctic Canada and Greenland: a revised age and paleomagnetic pole constraining block rotations in the Nares Strait regionThis is a companion paper to Denyszyn, S.W., Davis, D.W., and Halls, H.C. Paleomagnetism and Uâ€“Pb geochronology of the Clarence Head dykes, Arctic Canada: orthogonal emplacement of mafic dykes in a large igneous province. Canadian Journal of Earth Sciences, 46(3): 155â€“167.. Canadian Journal of Earth Sciences, 2009, 46, 689-705.	1.3	89
29	Neoproterozoic paleogeography of the Tarim Block: An extended or alternative â€œmissing-linkâ€•model for Rodinia?. Earth and Planetary Science Letters, 2017, 458, 92-106.	4.4	88
30	Palaeoproterozoic supercontinents and global evolution: correlations from core to atmosphere. Geological Society Special Publication, 2009, 323, 1-26.	1.3	87
31	Trading partners: Tectonic ancestry of southern Africa and western Australia, in Archean supercratons Vaalbara and Zimgarn. Precambrian Research, 2013, 224, 11-22.	2.7	87
32	Ion-probe dating of 1.2Ga collision and crustal architecture in the Namaqua-Natal Province of southern Africa. Precambrian Research, 2007, 158, 79-92.	2.7	85
33	Restoring Proterozoic deformation within the Superior craton. Precambrian Research, 2010, 183, 474-489.	2.7	74
34	Paleomagnetism of Mesoproterozoic margins of the Anabar Shield: A hypothesized billion-year partnership of Siberia and northern Laurentia. Precambrian Research, 2016, 281, 639-655.	2.7	74
35	Constraints on Neoproterozoic paleogeography and Paleozoic orogenesis from paleomagnetic records of the Bitter Springs Formation, Amadeus Basin, central Australia. Numerische Mathematik, 2012, 312, 817-884.	1.4	73
36	No asymmetry in geomagnetic reversals recorded by 1.1-billion-year-old Keweenawan basalts. Nature Geoscience, 2009, 2, 713-717.	12.9	72

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37	Neoproterozoic cap-dolostone deposition in stratified glacial meltwater plume. Earth and Planetary Science Letters, 2014, 404, 22-32.	4.4	71
38	A positive test for the Greater Tarim Block at the heart of Rodinia: Mega-dextral suturing of supercontinent assembly. Geology, 2018, 46, 687-690.	4.4	70
39	Evolving core conditions ca. 2 billion years ago detected by paleosecular variation. Physics of the Earth and Planetary Interiors, 2011, 187, 225-231.	1.9	66
40	Correlation of Sturtian diamictite successions in southern Australia and northwestern Tasmania by Reâ€“Os black shale geochronology and the ambiguity of â€œSturtianâ€•type diamictiteâ€“cap carbonate pairs as chronostratigraphic marker horizons. Precambrian Research, 2009, 172, 301-310.	2.7	65
41	Four-dimensional context of Earth's supercontinents. Geological Society Special Publication, 2016, 424, 1-14.	1.3	58
42	Precise SHRIMP U-Pb zircon age constraints on the lower Waterberg and Soutpansberg Groups, South Africa. South African Journal of Geology, 2006, 109, 139-156.	1.2	55
43	Plate tectonics on early Earth? Weighing the paleomagnetic evidence. , 2008, , 249-263.		55
44	Limits of hydrosphere-lithosphere interaction: Origin of the lowest-known Î´18O silicate rock on Earth in the Paleoproterozoic Karelian rift. Geology, 2010, 38, 631-634.	4.4	55
45	Sutton hotspot: Resolving Ediacaran-Cambrian Tectonics and true polar wander for Laurentia. Numerische Mathematik, 2011, 311, 651-663.	1.4	49
46	Rapid Early Cambrian rotation of Gondwana. Geology, 2010, 38, 755-758.	4.4	48
47	Coronation loop resurrected: Oscillatory apparent polar wander of Orosirian (2.05â€“1.8Ga) paleomagnetic poles from Slave craton. Precambrian Research, 2010, 179, 121-134.	2.7	47
48	Frequency of Proterozoic geomagnetic superchrons. Earth and Planetary Science Letters, 2016, 437, 9-14.	4.4	45
49	Paleomagnetic evidence for modern-like plate motion velocities at 3.2 Ga. Science Advances, 2020, 6, eaaz8670.	10.3	44
50	PALEOMAGIA: A PHP/MYSQL database of the Precambrian paleomagnetic data. Studia Geophysica Et Geodaetica, 2014, 58, 425-441.	0.5	43
51	Return to Rodinia? Moderate to high palaeolatitude of the SÃ£o Francisco/Congo craton at 920 Ma. Geological Society Special Publication, 2016, 424, 167-190.	1.3	43
52	Plate tectonics before 2.0 Ga: Evidence from paleomagnetism of cratons within supercontinent Nuna. Numerische Mathematik, 2014, 314, 878-894.	1.4	39
53	Revised geochronology of magmatism in the western Capricorn Orogen at 1805-1785 Ma: diachroneity of the Pilbara-Yilgarn collision. Australian Journal of Earth Sciences, 2003, 50, 853-864.	1.0	38
54	Newly discovered Neoproterozoic diamictite and cap carbonate (DCC) couplet in Tarim Craton, NW China: Stratigraphy, geochemistry, and paleoenvironment. Precambrian Research, 2015, 271, 278-294.	2.7	38

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55	A sea-level test for inertial interchange true polar wander events. Geophysical Journal International, 1999, 136, F5-F10.	2.4	37
56	Geochemical characterization of a reconstructed 1110â€¯Ma Large Igneous Province. Precambrian Research, 2019, 332, 105382.	2.7	37
57	Paleomagnetism of the lower two unconformity-bounded sequences of the Waterberg Group, South Africa: Towards a better-defined apparent polar wander path for the Paleoproterozoic Kaapvaal Craton.. South African Journal of Geology, 2006, 109, 157-182.	1.2	36
58	Chapter 7 Neoproterozoic glacial palaeolatitudes: a global update. Geological Society Memoir, 2011, 36, 93-112.	1.7	33
59	Paleomagnetic and geochemical studies of the Mesoproterozoic Satakunta dyke swarms, Finland, with implications for a Northern Europe â€“ North America (NENA) connection within Nuna supercontinent. Precambrian Research, 2014, 244, 170-191.	2.7	32
60	Wyoming on the runâ€”Toward final Paleoproterozoic assembly of Laurentia. Geology, 2016, 44, 863-866.	4.4	31
61	Paleogeography of the Congo/SÃ£o Francisco craton at 1.5Ga: Expanding the core of Nuna supercontinent. Precambrian Research, 2016, 286, 195-212.	2.7	30
62	A pan-latitudinal Rodinia in the Tonian true polar wander frame. Earth and Planetary Science Letters, 2020, 530, 115880.	4.4	29
63	Direct Mesoproterozoic connection of the Congo and Kalahari cratons in proto-Africa: Strange attractors across supercontinental cycles. Geology, 2018, 46, 1011-1014.	4.4	28
64	Paleomagnetism of a Neoarchean-Paleoproterozoic carbonate ramp and carbonate platform succession (Transvaal Supergroup) from surface outcrop and drill core, Griqualand West region, South Africa. Precambrian Research, 2009, 169, 80-99.	2.7	23
65	On the low-inclination bias of the Precambrian geomagnetic field. Precambrian Research, 2014, 244, 23-32.	2.7	22
66	Paleomagnetism and Uâ€“Pb geochronology of the Black Range dykes, Pilbara Craton, Western Australia: a Neoarchean crossing of the polar circle. Australian Journal of Earth Sciences, 2017, 64, 225-237.	1.0	22
67	Paleomagnetism, magnetic anisotropy and U-Pb baddeleyite geochronology of the early Neoproterozoic Blekinge-Dalarna dolerite dykes, Sweden. Precambrian Research, 2018, 317, 14-32.	2.7	22
68	Inverted South China: A novel configuration for Rodinia and its breakup. Geology, 2021, 49, 463-467.	4.4	22
69	Palaeomagnetism, geochronology and geochemistry of the Palaeoproterozoic Rabbit Creek and Powder River dyke swarms: implications for Wyoming in supercraton Superia. Geological Society Special Publication, 2016, 424, 15-45.	1.3	21
70	Late Ediacaran paleogeography of Avalonia and the Cambrian assembly of West Gondwana. Earth and Planetary Science Letters, 2020, 552, 116591.	4.4	21
71	An expanding list of reliable paleomagnetic poles for Precambrian tectonic reconstructions. , 2021, , 605-639.		21
72	Late Proterozoic Transitions in Climate, Oxygen, and Tectonics, and the Rise of Complex Life. The Paleontological Society Papers, 2015, 21, 47-82.	0.6	20

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73	LAâ€ICPMS Ba/Ca analyses of planktic foraminifera from the <scp>B</scp>ay of <scp>B</scp>engal: Implications for late <scp>P</scp>leistocene orbital control on monsoon freshwater flux. Geochemistry, Geophysics, Geosystems, 2015, 16, 2598-2618.	2.5	19
74	A template for an improved rock-based subdivision of the pre-Cryogenian timescale. Journal of the Geological Society, 2022, 179, .	2.1	18
75	Palaeomagnetic constraints on the Proterozoic tectonic evolution of Australia. Geological Society Special Publication, 2003, 206, 77-91.	1.3	17
76	How not to build a supercontinent: A reply to J.D.A. Piper. Precambrian Research, 2009, 174, 208-214.	2.7	16
77	A Late Cretaceous true polar wander oscillation. Nature Communications, 2021, 12, 3629.	12.8	15
78	Siliciclastic prelude to Elatinaâ€“Nuccaleena deglaciation: lithostratigraphy and rock magnetism of the base of the Ediacaran system. Geological Society Special Publication, 2007, 286, 53-76.	1.3	13
79	Paleomagnetic evidence for a large rotation of the Yukon block relative to Laurentia: Implications for a low-latitude Sturtian glaciation and the breakup of Rodinia. Bulletin of the Geological Society of America, 2017, 129, 38-58.	3.3	13
80	Geomagnetic paleointensity at â^¼2.41 Ga as recorded by the Widgiemooltha Dike Swarm, Western Australia. Earth and Planetary Science Letters, 2015, 416, 35-45.	4.4	12
81	Pannotia under prosecution. Geological Society Special Publication, 2021, 503, 63-81.	1.3	12
82	The IGCP 509 database system: design and application of a tool to capture and illustrate litho- and chrono-stratigraphic information for Palaeoproterozoic tectonic domains, large igneous provinces and ore deposits; with examples from southern Africa. Geological Society Special Publication, 2009, 323, 27-47.	1.3	10
83	Reorienting the West African craton in Paleoproterozoicâ€“Mesoproterozoic supercontinent Nuna. Geology, 2021, 49, 1171-1176.	4.4	10
84	Meso-Neoproterozoic Rodinia supercycle. , 2021, , 549-576.		10
85	Pannotia: To be or not to be?. Earth-Science Reviews, 2022, 232, 104128.	9.1	10
86	Reconciling supercontinent cycle models with ancient subduction zones. Earth and Planetary Science Letters, 2022, 578, 117293.	4.4	9
87	South China in Rodinia â€" An Update. Gondwana Research, 2001, 4, 685-686.	6.0	8
88	Proposal with a ring of diamonds. Nature, 2010, 466, 326-327.	27.8	7
89	Magnetostratigraphy of the Lebo and Tongue River Members of the Fort Union Formation (Paleocene) in the northeastern Powder River Basin, Montana. Numerische Mathematik, 2011, 311, 813-850.	1.4	7
90	Palaeomagnetic and geochronological data from Late Mesoproterozoic redbed sedimentary rocks on the western margin of Kalahari craton. Geological Society Special Publication, 2016, 424, 145-165.	1.3	7

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91	Neoarcheanâ€“Paleoproterozoic supercycles. , 2021, , 465-498.		7
92	Using palaeomagnetism to determine late Mesoproterozoic palaeogeographic history and tectonic relations of the Sinclair terrane, Namaqua orogen, Namibia. Geological Society Special Publication, 2016, 424, 119-143.	1.3	5
93	Paleomagnetism and rock magnetism of the ca. 1.87â€¯Ga Pearson Formation, Northwest Territories, Canada: A test of vertical-axis rotation within the Great Slave basin. Precambrian Research, 2018, 305, 295-309.	2.7	5
94	Precambrian supercontinents and supercyclesâ€”an overview. , 2021, , 1-50.		5
95	Assembly and breakup of the core of the Rodinia supercontinent. Acta Geologica Sinica, 2019, 93, 109-109.	1.4	3
96	A positive test for the Greater Tarim Block at the heart of Rodinia: Mega-dextral suturing of supercontinent assembly: REPLY. Geology, 2019, 47, e454-e454.	4.4	3
97	Paleomagnetic survey of the Goulburn Supergroup, Kilohigok Basin, Nunavut, Canada: Toward an understanding of the Orosirian apparent polar wander path of the Slave craton. Precambrian Research, 2022, 369, 106516.	2.7	3
98	RESEARCH FOCUS: Probing the complexities of magnetism in zircons from Jack Hills, Australia. Geology, 2018, 46, 479-480.	4.4	2
99	Advancing beyond May 1971: How Do We Deal with the Possibility of Complicated Dyke Geometries, Longâ€Lived Lips, and Contrasting Basement Geological Provinces?. Acta Geologica Sinica, 2016, 90, 31-33.	1.4	0
100	Wyoming on the runâ€”Toward final Paleoproterozoic assembly of Laurentia: REPLY. Geology, 2017, 45, e412-e412.	4.4	0
101	Constraints on the Precambrian paleogeography of West African Craton. , 2021, , 423-443.		0