

David A D Evans

List of Publications by Year in descending order

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101
papers

7,954
citations

50276

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48315

88
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104
all docs

104
docs citations

104
times ranked

3827
citing authors

#	ARTICLE	IF	CITATIONS
1	A template for an improved rock-based subdivision of the pre-Cryogenian timescale. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	18
2	Reconciling supercontinent cycle models with ancient subduction zones. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117293.	4.4	9
3	Paleomagnetic survey of the Goulburn Supergroup, Kilohigok Basin, Nunavut, Canada: Toward an understanding of the Orosirian apparent polar wander path of the Slave craton. <i>Precambrian Research</i> , 2022, 369, 106516.	2.7	3
4	Pannotia: To be or not to be?. <i>Earth-Science Reviews</i> , 2022, 232, 104128.	9.1	10
5	Pannotia under prosecution. <i>Geological Society Special Publication</i> , 2021, 503, 63-81.	1.3	12
6	Inverted South China: A novel configuration for Rodinia and its breakup. <i>Geology</i> , 2021, 49, 463-467.	4.4	22
7	A Late Cretaceous true polar wander oscillation. <i>Nature Communications</i> , 2021, 12, 3629.	12.8	15
8	Reorienting the West African craton in Paleoproterozoicâ€“Mesoproterozoic supercontinent Nuna. <i>Geology</i> , 2021, 49, 1171-1176.	4.4	10
9	Meso-Neoproterozoic Rodinia supercycle. , 2021, , 549-576.		10
10	Precambrian supercontinents and supercyclesâ€“an overview. , 2021, , 1-50.		5
11	Neoproterozoicâ€“Paleoproterozoic supercycles. , 2021, , 465-498.		7
12	An expanding list of reliable paleomagnetic poles for Precambrian tectonic reconstructions. , 2021, , 605-639.		21
13	Constraints on the Precambrian paleogeography of West African Craton. , 2021, , 423-443.		0
14	A pan-latitudinal Rodinia in the Tonian true polar wander frame. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115880.	4.4	29
15	Late Ediacaran paleogeography of Avalonia and the Cambrian assembly of West Gondwana. <i>Earth and Planetary Science Letters</i> , 2020, 552, 116591.	4.4	21
16	The magnificent seven: A proposal for modest revision of the quality index. <i>Tectonophysics</i> , 2020, 790, 228549.	2.2	97
17	Paleomagnetic evidence for modern-like plate motion velocities at 3.2 Ga. <i>Science Advances</i> , 2020, 6, eaaz8670.	10.3	44
18	Geochemical characterization of a reconstructed 1110â€“Ma Large Igneous Province. <i>Precambrian Research</i> , 2019, 332, 105382.	2.7	37

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19	Assembly and breakup of the core of the Rodinia supercontinent. <i>Acta Geologica Sinica</i> , 2019, 93, 109-109.	1.4	3
20	A positive test for the Greater Tarim Block at the heart of Rodinia: Mega-dextral suturing of supercontinent assembly: REPLY. <i>Geology</i> , 2019, 47, e454-e454.	4.4	3
21	Eocene greenhouse climate revealed by coupled clumped isotope-Mg/Ca thermometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1174-1179.	7.1	146
22	Paleomagnetism and rock magnetism of the ca. 1.87 Ga Pearson Formation, Northwest Territories, Canada: A test of vertical-axis rotation within the Great Slave basin. <i>Precambrian Research</i> , 2018, 305, 295-309.	2.7	5
23	A positive test for the Greater Tarim Block at the heart of Rodinia: Mega-dextral suturing of supercontinent assembly. <i>Geology</i> , 2018, 46, 687-690.	4.4	70
24	RESEARCH FOCUS: Probing the complexities of magnetism in zircons from Jack Hills, Australia. <i>Geology</i> , 2018, 46, 479-480.	4.4	2
25	Direct Mesoproterozoic connection of the Congo and Kalahari cratons in proto-Africa: Strange attractors across supercontinental cycles. <i>Geology</i> , 2018, 46, 1011-1014.	4.4	28
26	Paleomagnetism, magnetic anisotropy and U-Pb baddeleyite geochronology of the early Neoproterozoic Blekinge-Dalarna dolerite dykes, Sweden. <i>Precambrian Research</i> , 2018, 317, 14-32.	2.7	22
27	Global water cycle and the coevolution of the Earth's interior and surface environment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20150393.	3.4	119
28	Wyoming on the run—Toward final Paleoproterozoic assembly of Laurentia: REPLY. <i>Geology</i> , 2017, 45, e412-e412.	4.4	0
29	Paleomagnetism and U-Pb geochronology of the Black Range dykes, Pilbara Craton, Western Australia: a Neoarchean crossing of the polar circle. <i>Australian Journal of Earth Sciences</i> , 2017, 64, 225-237.	1.0	22
30	Neoproterozoic paleogeography of the Tarim Block: An extended or alternative 'missing-link' model for Rodinia?. <i>Earth and Planetary Science Letters</i> , 2017, 458, 92-106.	4.4	88
31	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. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 38-58.	3.3	13
32	Wyoming on the run—Toward final Paleoproterozoic assembly of Laurentia. <i>Geology</i> , 2016, 44, 863-866.	4.4	31
33	Paleogeography of the Congo/São Francisco craton at 1.5Ga: Expanding the core of Nuna supercontinent. <i>Precambrian Research</i> , 2016, 286, 195-212.	2.7	30
34	Advancing beyond May 1971: How Do We Deal with the Possibility of Complicated Dyke Geometries, Long-Lived Lips, and Contrasting Basement Geological Provinces?. <i>Acta Geologica Sinica</i> , 2016, 90, 31-33.	1.4	0
35	Paleomagnetism of Mesoproterozoic margins of the Anabar Shield: A hypothesized billion-year partnership of Siberia and northern Laurentia. <i>Precambrian Research</i> , 2016, 281, 639-655.	2.7	74
36	Using palaeomagnetism to determine late Mesoproterozoic palaeogeographic history and tectonic relations of the Sinclair terrane, Namaqua orogen, Namibia. <i>Geological Society Special Publication</i> , 2016, 424, 119-143.	1.3	5

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37	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
38	Frequency of Proterozoic geomagnetic superchrons. Earth and Planetary Science Letters, 2016, 437, 9-14.	4.4	45
39	Four-dimensional context of Earth's supercontinents. Geological Society Special Publication, 2016, 424, 1-14.	1.3	58
40	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
41	Return to Rodinia? Moderate to high palaeolatitude of the São Francisco/Congo craton at 920 Ma. Geological Society Special Publication, 2016, 424, 167-190.	1.3	43
42	Metallogeny and its link to orogenic style during the Nuna supercontinent cycle. Geological Society Special Publication, 2016, 424, 83-94.	1.3	101
43	LA-ICPMS Ba/Ca analyses of planktic foraminifera from the Bay of Bengal: Implications for late Pleistocene orbital control on monsoon freshwater flux. Geochemistry, Geophysics, Geosystems, 2015, 16, 2598-2618.	2.5	19
44	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
45	Geomagnetic paleointensity at \sim 2.41 Ga as recorded by the Widgiemooltha Dike Swarm, Western Australia. Earth and Planetary Science Letters, 2015, 416, 35-45.	4.4	12
46	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
47	New paleomagnetic results from the Ediacaran Doushantuo Formation in South China and their paleogeographic implications. Precambrian Research, 2015, 259, 130-142.	2.7	112
48	On the low-inclination bias of the Precambrian geomagnetic field. Precambrian Research, 2014, 244, 23-32.	2.7	22
49	Paleomagnetic and geochemical studies of the Mesoproterozoic Satakunta dyke swarms, Finland, with implications for a Northern Europe – North America (NENA) connection within Nuna supercontinent. Precambrian Research, 2014, 244, 170-191.	2.7	32
50	Plate tectonics before 2.0 Ga: Evidence from paleomagnetism of cratons within supercontinent Nuna. Numerische Mathematik, 2014, 314, 878-894.	1.4	39
51	Neoproterozoic cap-dolostone deposition in stratified glacial meltwater plume. Earth and Planetary Science Letters, 2014, 404, 22-32.	4.4	71
52	PALEOMAGIA: A PHP/MYSQL database of the Precambrian paleomagnetic data. Studia Geophysica Et Geodaetica, 2014, 58, 425-441.	0.5	43
53	Globally synchronous Marinoan deglaciation indicated by U-Pb geochronology of the Cottons Breccia, Tasmania, Australia. Geology, 2013, 41, 1127-1130.	4.4	98
54	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

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55	Trading partners: Tectonic ancestry of southern Africa and western Australia, in Archean supercratons Vaalbara and Zimgarn. <i>Precambrian Research</i> , 2013, 224, 11-22.	2.7	87
56	Neoproterozoic glaciations in a revised global palaeogeography from the breakup of Rodinia to the assembly of Gondwanaland. <i>Sedimentary Geology</i> , 2013, 294, 219-232.	2.1	406
57	Constraints on Neoproterozoic paleogeography and Paleozoic orogenesis from paleomagnetic records of the Bitter Springs Formation, Amadeus Basin, central Australia. <i>Numerische Mathematik</i> , 2012, 312, 817-884.	1.4	73
58	Supercontinent cycles and the calculation of absolute palaeolongitude in deep time. <i>Nature</i> , 2012, 482, 208-211.	27.8	153
59	Pre-Rodinia supercontinent Nuna shaping up: A global synthesis with new paleomagnetic results from North China. <i>Earth and Planetary Science Letters</i> , 2012, 353-354, 145-155.	4.4	434
60	Evolving core conditions ca. 2 billion years ago detected by paleosecular variation. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 225-231.	1.9	66
61	Assembly and breakup of the core of Paleoproterozoic-Mesoproterozoic supercontinent Nuna. <i>Geology</i> , 2011, 39, 443-446.	4.4	416
62	Magnetostratigraphy of the Lebo and Tongue River Members of the Fort Union Formation (Paleocene) in the northeastern Powder River Basin, Montana. <i>Numerische Mathematik</i> , 2011, 311, 813-850.	1.4	7
63	Sutton hotspot: Resolving Ediacaran-Cambrian Tectonics and true polar wander for Laurentia. <i>Numerische Mathematik</i> , 2011, 311, 651-663.	1.4	49
64	Late Neoproterozoic 40° intraplate rotation within Australia allows for a tighter-fitting and longer-lasting Rodinia. <i>Geology</i> , 2011, 39, 39-42.	4.4	146
65	Chapter 7 Neoproterozoic glacial palaeolatitudes: a global update. <i>Geological Society Memoir</i> , 2011, 36, 93-112.	1.7	33
66	Proposal with a ring of diamonds. <i>Nature</i> , 2010, 466, 326-327.	27.8	7
67	Rapid Early Cambrian rotation of Gondwana. <i>Geology</i> , 2010, 38, 755-758.	4.4	48
68	Limits of hydrosphere-lithosphere interaction: Origin of the lowest-known $\hat{1}80$ silicate rock on Earth in the Paleoproterozoic Karelian rift. <i>Geology</i> , 2010, 38, 631-634.	4.4	55
69	Restoring Proterozoic deformation within the Superior craton. <i>Precambrian Research</i> , 2010, 183, 474-489.	2.7	74
70	Coronation loop resurrected: Oscillatory apparent polar wander of Orosirian (2.05–1.8Ga) paleomagnetic poles from Slave craton. <i>Precambrian Research</i> , 2010, 179, 121-134.	2.7	47
71	The palaeomagnetically viable, long-lived and all-inclusive Rodinia supercontinent reconstruction. <i>Geological Society Special Publication</i> , 2009, 327, 371-404.	1.3	179
72	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. <i>Geological Society Special Publication</i> , 2009, 323, 27-47.	1.3	10

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73	No asymmetry in geomagnetic reversals recorded by 1.1-billion-year-old Keweenawan basalts. <i>Nature Geoscience</i> , 2009, 2, 713-717.	12.9	72
74	Paleomagnetism of a Neoproterozoic-Paleoproterozoic carbonate ramp and carbonate platform succession (Transvaal Supergroup) from surface outcrop and drill core, Griqualand West region, South Africa. <i>Precambrian Research</i> , 2009, 169, 80-99.	2.7	23
75	Correlation of Sturtian diamictite successions in southern Australia and northwestern Tasmania by Re-Os black shale geochronology and the ambiguity of Sturtian-type diamictite cap carbonate pairs as chronostratigraphic marker horizons. <i>Precambrian Research</i> , 2009, 172, 301-310.	2.7	65
76	How not to build a supercontinent: A reply to J.D.A. Piper. <i>Precambrian Research</i> , 2009, 174, 208-214.	2.7	16
77	Validating the existence of Vaalbara in the Neoproterozoic. <i>Precambrian Research</i> , 2009, 174, 145-154.	2.7	141
78	Palaeoproterozoic supercontinents and global evolution: correlations from core to atmosphere. <i>Geological Society Special Publication</i> , 2009, 323, 1-26.	1.3	87
79	<i>Paleomagnetism and U-Pb geochronology of Franklin dykes in High Arctic Canada and Greenland: a revised age and paleomagnetic pole constraining block rotations in the Nares Strait region</i> This is a companion paper to Denyszyn, S.W., Davis, D.W., and Halls, H.C. <i>Paleomagnetism and U-Pb geochronology of the Clarence Head dykes, Arctic Canada: orthogonal emplacement of mafic dykes in a large igneous province. Canadian Journal of Earth Sciences</i> , 2009, 46, 689-705.	1.3	89
80	Correlations and reconstruction models for the 2500-1500 Ma evolution of the Mawson Continent. <i>Geological Society Special Publication</i> , 2009, 323, 319-355.	1.3	113
81	Plate tectonics on early Earth? Weighing the paleomagnetic evidence. , 2008, , 249-263.		55
82	Siliciclastic prelude to Elatina deglaciation: lithostratigraphy and rock magnetism of the base of the Ediacaran system. <i>Geological Society Special Publication</i> , 2007, 286, 53-76.	1.3	13
83	Ion-probe dating of 1.2Ga collision and crustal architecture in the Namaqua-Natal Province of southern Africa. <i>Precambrian Research</i> , 2007, 158, 79-92.	2.7	85
84	Proterozoic low orbital obliquity and axial-dipolar geomagnetic field from evaporite palaeolatitudes. <i>Nature</i> , 2006, 444, 51-55.	27.8	155
85	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. <i>South African Journal of Geology</i> , 2006, 109, 157-182.	1.2	36
86	Precise SHRIMP U-Pb zircon age constraints on the lower Waterberg and Soutpansberg Groups, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 139-156.	1.2	55
87	Tempo and mode of early animal evolution: inferences from rocks, Hox, and molecular clocks. <i>Paleobiology</i> , 2005, 31, 36-55.	2.0	158
88	A 90° spin on Rodinia: possible causal links between the Neoproterozoic supercontinent, superplume, true polar wander and low-latitude glaciation. <i>Earth and Planetary Science Letters</i> , 2004, 220, 409-421.	4.4	224
89	Revised geochronology of magmatism in the western Capricorn Orogen at 1805-1785 Ma: diachroneity of the Pilbara-Yilgarn collision. <i>Australian Journal of Earth Sciences</i> , 2003, 50, 853-864.	1.0	38
90	True polar wander and supercontinents. <i>Tectonophysics</i> , 2003, 362, 303-320.	2.2	203

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91	A fundamental Precambrianâ€“Phanerozoic shift in earth's glacial style?. <i>Tectonophysics</i> , 2003, 375, 353-385.	2.2	95
92	Palaeomagnetic constraints on the Proterozoic tectonic evolution of Australia. <i>Geological Society Special Publication</i> , 2003, 206, 77-91.	1.3	17
93	Models of Rodinia assembly and fragmentation. <i>Geological Society Special Publication</i> , 2003, 206, 35-55.	1.3	205
94	Rodinia connections between Australia and Laurentia: no SWEAT, no AUSWUS?. <i>Terra Nova</i> , 2002, 14, 121-128.	2.1	218
95	South China in Rodinia â€” An Update. <i>Gondwana Research</i> , 2001, 4, 685-686.	6.0	8
96	A high-quality mid-Neoproterozoic paleomagnetic pole from South China, with implications for ice ages and the breakup configuration of Rodinia. <i>Precambrian Research</i> , 2000, 100, 313-334.	2.7	138
97	Age of Neoproterozoic Bilatarians Body and Trace Fossils, White Sea, Russia: Implications for Metazoan Evolution. <i>Science</i> , 2000, 288, 841-845.	12.6	354
98	A sea-level test for inertial interchange true polar wander events. <i>Geophysical Journal International</i> , 1999, 136, F5-F10.	2.4	37
99	True polar wander, a supercontinental legacy. <i>Earth and Planetary Science Letters</i> , 1998, 157, 1-8.	4.4	117
100	Evidence for a Large-Scale Reorganization of Early Cambrian Continental Masses by Inertial Interchange True Polar Wander. <i>Science</i> , 1997, 277, 541-545.	12.6	293
101	Low-latitude glaciation in the Palaeoproterozoic era. <i>Nature</i> , 1997, 386, 262-266.	27.8	312