

# Rory D Cottrell

## List of Publications by Year in descending order

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28  
papers

2,245  
citations

430874

18  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1756  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Time-Resolved Paleomagnetic Record of Main Group Pallasites: Evidence for a Large-Cored, Thin-Mantled Parent Body. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006900.	3.6	10
2	Absence of a long-lived lunar paleomagnetosphere. <i>Science Advances</i> , 2021, 7, .	10.3	18
3	Paleomagnetism indicates that primary magnetite in zircon records a strong Hadean geodynamo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2309-2318.	7.1	46
4	Young inner core inferred from Ediacaran ultra-low geomagnetic field intensity. <i>Nature Geoscience</i> , 2019, 12, 143-147.	12.9	121
5	Primary pseudo-single and single-domain magnetite inclusions in quartzite cobbles of the Jack Hills (Western Australia): implications for the Hadean geodynamo. <i>Geophysical Journal International</i> , 2019, 216, 598-608.	2.4	5
6	New Archeomagnetic Directional Records From Iron Age Southern Africa (ca. 425â€“1550 CE) and Implications for the South Atlantic Anomaly. <i>Geophysical Research Letters</i> , 2018, 45, 1361-1369.	4.0	18
7	Cluster analysis on a sphere: Application to magnetizations from metasediments of the Jack Hills, Western Australia. <i>Earth and Planetary Science Letters</i> , 2018, 484, 67-80.	4.4	10
8	Detrital magnetite and chromite in Jack Hills quartzite cobbles: Further evidence for the preservation of primary magnetizations and new insights into sediment provenance. <i>Earth and Planetary Science Letters</i> , 2016, 451, 298-314.	4.4	15
9	Comment on: Pervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early dynamo, by Weiss et al. (2015). <i>Earth and Planetary Science Letters</i> , 2016, 450, 406-408.	4.4	8
10	The inverse microconglomerate test: Further evidence for the preservation of Hadean magnetizations in metasediments of the Jack Hills, Western Australia. <i>Geophysical Research Letters</i> , 2016, 43, 4215-4220.	4.0	14
11	Antiquity of the South Atlantic Anomaly and evidence for top-down control on the geodynamo. <i>Nature Communications</i> , 2015, 6, 7865.	12.8	81
12	A Hadean to Paleoarchean geodynamo recorded by single zircon crystals. <i>Science</i> , 2015, 349, 521-524.	12.6	207
13	Signals from the ancient geodynamo: A paleomagnetic field test on the Jack Hills metaconglomerate. <i>Earth and Planetary Science Letters</i> , 2013, 367, 123-132.	4.4	14
14	Evidence for a Dynamo in the Main Group Pallasite Parent Body. <i>Science</i> , 2012, 338, 939-942.	12.6	108
15	An archeomagnetic analysis of burnt grain bin floors from ca. 1200 to 1250 AD Iron-Age South Africa. <i>Physics of the Earth and Planetary Interiors</i> , 2012, 190-191, 71-79.	1.9	18
16	Geodynamo, Solar Wind, and Magnetopause 3.4 to 3.45 Billion Years Ago. <i>Science</i> , 2010, 327, 1238-1240.	12.6	256
17	Evidence for a 3.45-billion-year-old magnetic remanence: Hints of an ancient geodynamo from conglomerates of South Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	40
18	New Late Cretaceous macrobaenid turtle with Asian affinities from the High Canadian Arctic: Dispersal via ice-free polar routes. <i>Geology</i> , 2009, 37, 183-186.	4.4	28

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19	The Kiaman Reversed Polarity Superchron at Kiama: Toward a field strength estimate based on single silicate crystals. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 49-58.	1.9	31
20	Geomagnetic field strength 3.2 billion years ago recorded by single silicate crystals. <i>Nature</i> , 2007, 446, 657-660.	27.8	114
21	The Emperor Seamounts: Southward Motion of the Hawaiian Hotspot Plume in Earth's Mantle. <i>Science</i> , 2003, 301, 1064-1069.	12.6	375
22	A Late Cretaceous pole for the Pacific plate: implications for apparent and true polar wander and the drift of hotspots. <i>Tectonophysics</i> , 2003, 362, 321-333.	2.2	45
23	The Cretaceous superchron geodynamo: Observations near the tangent cylinder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14020-14025.	7.1	117
24	High Geomagnetic Intensity During the Mid-Cretaceous from Thellier Analyses of Single Plagioclase Crystals. <i>Science</i> , 2001, 291, 1779-1783.	12.6	147
25	In search of high-fidelity geomagnetic paleointensities: A comparison of single plagioclase crystal and whole rock Thellier-Thellier analyses. <i>Journal of Geophysical Research</i> , 2000, 105, 23579-23594.	3.3	55
26	Geomagnetic paleointensity derived from single plagioclase crystals. <i>Earth and Planetary Science Letters</i> , 1999, 169, 1-5.	4.4	81
27	Paleomagnetic evidence for motion of the Hawaiian hotspot during formation of the Emperor seamounts. <i>Earth and Planetary Science Letters</i> , 1997, 153, 171-180.	4.4	156
28	Magnetostratigraphy of the Late Cretaceous to Eocene Sverdrup Basin: Implications for heterochroneity, deformation, and rotations in the Canadian Arctic archipelago. <i>Journal of Geophysical Research</i> , 1997, 102, 723-746.	3.3	17