Nicholas L Swanson-Hysell

List of Publications by Year
in descending order

51	2,219	218677	223800
papers	citations	26 h-index	46 g-index

57	57	57	2109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PmagPy: Software package for paleomagnetic data analysis and a bridge to the Magnetics Information Consortium (MagIC) Database. Geochemistry, Geophysics, Geosystems, 2016, 17, 2450-2463.	2.5	213
2	Arc-continent collisions in the tropics set Earthâ€™s climate state. Science, 2019, 364, 181-184.	12.6	171
3	Cryogenian Glaciation and the Onset of Carbon-Isotope Decoupling. Science, 2010, 328, 608-611.	12.6	164
4	Claypool continued: Extending the isotopic record of sedimentary sulfate. Chemical Geology, 2019, 513, 200-225.	3.3	102
5	Detrital-zircon geochronology of the eastern Magallanes foreland basin: Implications for Eocene kinematics of the northern Scotia Arc and Drake Passage. Earth and Planetary Science Letters, 2009, 284, 489-503.	4.4	100
6	Neoproterozoic glacial origin of the Great Unconformity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1136-1145.	7.1	100
7	An Appalachian Amazon? Magnetofossil evidence for the development of a tropical riverâ€like system in the midâ€Atlantic United States during the Paleoceneâ€Eocene thermal maximum. Paleoceanography, 2009, 24, .	3.0	84
8	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
9	The end of Midcontinent Rift magmatism and the paleogeography of Laurentia. Lithosphere, 2017, 9, 117-133.	1.4	73
10	No asymmetry in geomagnetic reversals recorded by 1.1-billion-year-old Keweenawan basalts. Nature Geoscience, 2009, 2, 713-717.	12.9	72
11	Failed rifting and fast drifting: Midcontinent Rift development, Laurentiaâ€™s rapid motion and the driver of Grenvillian orogenesis. Bulletin of the Geological Society of America, 2019, 131, 913-940.	3.3	72
12	Stratigraphy and geochronology of the Tambien Group, Ethiopia: Evidence for globally synchronous carbon isotope change in the Neoproterozoic. Geology, 2015, 43, 323-326.	4.4	69
13	Cryogenian glaciations on the southern tropical paleomargin of Laurentia (NE Svalbard and East) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Research, 2012, 206-207, 137-158.	2.7	62
14	Rock magnetism of remagnetized carbonate rocks: another look. Geological Society Special Publication, 2012, 371, 229-251.	1.3	57
15	The arc of the Snowball: U-Pb dates constrain the Islay anomaly and the initiation of the Sturtian glaciation. Geology, 2018, 46, 539-542.	4.4	49
16	Pervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early geodynamo. Earth and Planetary Science Letters, 2015, 430, 115-128.	4.4	44
17	Paleomagnetism of Lonar impact crater, India. Earth and Planetary Science Letters, 2008, 275, 308-319.	4.4	43
18	Constraints on the origin and relative timing of the Trezona Î´13C anomaly below the end-Cryogenian glaciation. Earth and Planetary Science Letters, 2012, 319-320, 241-250.	4.4	42

#	Article	IF	Citations
19	Emergence of the Southeast Asian islands as a driver for Neogene cooling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25319-25326.	7.1	42
20	Magmatic activity and plate motion during the latent stage of Midcontinent Rift development. Geology, 2014, 42, 475-478.	4.4	40
21	Confirmation of progressive plate motion during the Midcontinent Rift's early magmatic stage from the Osler Volcanic Group, Ontario, Canada. Geochemistry, Geophysics, Geosystems, 2014, 15, 2039-2047.	2.5	40
22	A new grand mean palaeomagnetic pole for the 1.11 Ga Umkondo large igneous province with implications for palaeogeography and the geomagnetic field. Geophysical Journal International, 2015, 203, 2237-2247.	2.4	39
23	Unraveling the Mineralogical Complexity of Sediment Iron Speciation Using Sequential Extractions. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008666.	2.5	34
24	Preservation and detectability of shockâ€induced magnetization. Journal of Geophysical Research E: Planets, 2015, 120, 1461-1475.	3.6	31
25	New insights on the Orosirian carbon cycle, early Cyanobacteria, and the assembly of Laurentia from the Paleoproterozoic Belcher Group. Earth and Planetary Science Letters, 2019, 520, 141-152.	4.4	31
26	Paleomagnetism of impact spherules from Lonar crater, India and a test for impact-generated fields. Earth and Planetary Science Letters, 2010, 298, 66-76.	4.4	29
27	Uâ€Pb zircon constraints on the age and provenance of the Rocas Verdes basin fill, Tierra del Fuego, Argentina. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	26
28	Oxygenated Mesoproterozoic lake revealed through magnetic mineralogy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12938-12943.	7.1	25
29	Primary and Secondary Red Bed Magnetization Constrained by Fluvial Intraclasts. Journal of Geophysical Research: Solid Earth, 2019, 124, 4276-4289.	3.4	24
30	The lead-up to the Sturtian Snowball Earth: Neoproterozoic chemostratigraphy time-calibrated by the Tambien Group of Ethiopia. Bulletin of the Geological Society of America, 2020, 132, 1119-1149.	3.3	22
31	Rapid emplacement of massive Duluth Complex intrusions within the North American Midcontinent Rift. Geology, 2021, 49, 185-189.	4.4	21
32	An expanding list of reliable paleomagnetic poles for Precambrian tectonic reconstructions. , 2021, , 605-639.		21
33	Self-reversed magnetization held by martite in basalt flows from the 1.1-billion-year-old Keweenawan rift, Canada. Earth and Planetary Science Letters, 2011, 305, 171-184.	4.4	20
34	A field like today's? The strength of the geomagnetic field 1.1 billion years ago. Geophysical Journal International, 2018, 213, 1969-1983.	2.4	18
35	A Consistently Highâ€Latitude South China From 820 to 780ÂMa: Implications for Exclusion From Rodinia and the Feasibility of Largeâ€Scale True Polar Wander. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021541.	3.4	16
36	The Precambrian paleogeography of Laurentia. , 2021, , 109-153.		15

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37	Full vector lowâ€temperature magnetic measurements of geologic materials. Geochemistry, Geophysics, Geosystems, 2015, 16, 301-314.	2.5	14
38	Final inversion of the Midcontinent Rift during the Rigolet Phase of the Grenvillian Orogeny. Geology, 2022, 50, 547-551.	4.4	14
39	Reply to Comment on â€œPervasive remagnetization of detrital zircon host rocks in the Jack Hills, Western Australia and implications for records of the early dynamoâ€• Earth and Planetary Science Letters, 2016, 450, 409-412.	4.4	13
40	The effects of 10 to >160 GPa shock on the magnetic properties of basalt and diabase. Geochemistry, Geophysics, Geosystems, 2016, 17, 4753-4771.	2.5	13
41	Tropical weathering of the Taconic orogeny as a driver for Ordovician cooling. Geology, 0, , G38985.1.	4.4	13
42	The Paleogeography of Laurentia in Its Early Years: New Constraints From the Paleoproterozoic Eastâ€Central Minnesota Batholith. Tectonics, 2021, 40, e2021TC006751.	2.8	12
43	The diachroneity of alluvial-fan lithostratigraphy? A test case from southeastern Ebro basin magnetostratigraphy. Earth and Planetary Science Letters, 2007, 262, 343-362.	4.4	9
44	Limited Carbon Cycle Response to Increased Sulfide Weathering Due to Oxygen Feedback. Geophysical Research Letters, 2021, 48, e2021GL094589.	4.0	9
45	High geomagnetic field intensity recorded by anorthosite xenoliths requires a strongly powered late Mesoproterozoic geodynamo. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	7
46	A matter of minutes: Breccia dike paleomagnetism provides evidence for rapid crater modification. Geology, 2016, 44, 723-726.	4.4	5
47	A Paleozoic age for the Tunnunik impact structure. Meteoritics and Planetary Science, 2019, 54, 740-751.	1.6	3
48	Synchronous emplacement of the anorthosite xenolithâ€bearing Beaver River diabase and one of the largest lava flows on Earth. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009909.	2.5	3
49	Reply to GarcÃ©s et al. comment on â€˜The diachroneity of alluvial-fan lithostratigraphy? A test case from southeastern Ebro Basin magnetostratigraphyâ€™. Earth and Planetary Science Letters, 2008, 275, 187-192.	4.4	2
50	Reply to Rugenstein et al.: Marine Sr and Os records do not preclude Neogene cooling through emergence of the Southeast Asian islands. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	2
51	Tropical weathering of the Taconic orogeny as a driver for Ordovician cooling: REPLY. Geology, 2018, 46, e437-e437.	4.4	0