

Nathan R Miller

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,256
citations

516215

16
h-index

360668

35
g-index

41
all docs

41
docs citations

41
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Iodide in CTAB Prevents Gold Nanorod Formation. <i>Langmuir</i> , 2009, 25, 9518-9524.	1.6	198
2	Mass-production of Cambro-Ordovician quartz-rich sandstone as a consequence of chemical weathering of Pan-African terranes: Environmental implications. <i>Earth and Planetary Science Letters</i> , 2005, 240, 818-826.	1.8	193
3	Mg and Ca isotope signatures of authigenic dolomite in siliceous deep-sea sediments. <i>Earth and Planetary Science Letters</i> , 2015, 419, 32-42.	1.8	111
4	Detrital zircon U-Pb geochronology of Cryogenian diamictites and Lower Paleozoic sandstone in Ethiopia (Tigray): Age constraints on Neoproterozoic glaciation and crustal evolution of the southern Arabian-Nubian Shield. <i>Precambrian Research</i> , 2007, 154, 88-106.	1.2	85
5	$\sim 1/4750$ Ma banded iron formation from the Arabian-Nubian Shield: Implications for understanding neoproterozoic tectonics, volcanism, and climate change. <i>Precambrian Research</i> , 2013, 239, 79-94.	1.2	74
6	Evidence for ca. 560Ma Ediacaran glaciation in the Kahar Formation, central Alborz Mountains, northern Iran. <i>Gondwana Research</i> , 2016, 31, 164-183.	3.0	69
7	A Late Neoproterozoic ($\sim 1/4630$ Ma) high-magnesium andesite suite from southern Israel: implications for the consolidation of Gondwanaland. <i>Earth and Planetary Science Letters</i> , 2004, 218, 475-490.	1.8	66
8	Significance of the Tambien Group (Tigray, N. Ethiopia) for Snowball Earth events in the Arabian-Nubian Shield. <i>Precambrian Research</i> , 2003, 121, 263-283.	1.2	52
9	Origin of garnet in aplite and pegmatite from Khajeh Morad in northeastern Iran: A major, trace element, and oxygen isotope approach. <i>Lithos</i> , 2014, 208-209, 378-392.	0.6	31
10	Cryogenian slate-carbonate sequences of the Tambien Group, Northern Ethiopia (I): Pre-Sturtian chemostratigraphy and regional correlations. <i>Precambrian Research</i> , 2009, 170, 129-156.	1.2	29
11	Compositional gradients surrounding spherulites in obsidian and their relationship to spherulite growth and lava cooling. <i>Bulletin of Volcanology</i> , 2012, 74, 1865-1879.	1.1	29
12	Case studies on the utility of sequential carbonate leaching for radiogenic strontium isotope analysis. <i>Chemical Geology</i> , 2018, 497, 88-99.	1.4	28
13	Fin spine chemistry as a non-lethal alternative to otoliths for stock discrimination in an endangered catfish. <i>Marine Ecology - Progress Series</i> , 2019, 614, 147-157.	0.9	27
14	Did the transition to plate tectonics cause Neoproterozoic Snowball Earth?. <i>Terra Nova</i> , 2018, 30, 87-94.	0.9	25
15	High resolution profiles of elements in Atlantic tarpon (<i>Megalops atlanticus</i>) scales obtained via cross-sectioning and laser ablation ICP-MS: a literature survey and novel approach for scale analyses. <i>Environmental Biology of Fishes</i> , 2015, 98, 2223-2238.	0.4	23
16	Elements of time and place: manganese and barium in shark vertebrae reflect age and upwelling histories. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181760.	1.2	22
17	Spherulites as in-situ recorders of thermal history in lava flows. <i>Geology</i> , 2015, 43, 647-650.	2.0	18
18	Population structure and habitat connectivity of <i>Genidens genidens</i> (Siluriformes) in tropical and subtropical coasts from Southwestern Atlantic. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 242, 106839.	0.9	17

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19	The interplay between ceria particle size, reducibility, and ethanol oxidation activity of ceria-supported gold catalysts. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 75-85.	1.9	15
20	Silversides (<i>Odontesthes bonariensis</i>) reside within freshwater and estuarine habitats, not marine environments. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 205, 123-130.	0.9	15
21	The potential of near-entrance stalagmites as high-resolution terrestrial paleoclimate proxies: Application of isotope and trace-element geochemistry to seasonally-resolved chronology. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 55-75.	1.6	13
22	Natal origin of Pacific bluefin tuna from the California Current Large Marine Ecosystem. <i>Biology Letters</i> , 2020, 16, 20190878.	1.0	11
23	Spatiotemporal Stability of Trace and Minor Elemental Signatures in Early Larval Shell of the Northern Quahog (Hard Clam) <i>Mercenaria mercenaria</i> . <i>Journal of Shellfish Research</i> , 2014, 33, 247-255.	0.3	10
24	Chapter 21 The Tambien Group, Northern Ethiopia (Tigre). <i>Geological Society Memoir</i> , 2011, 36, 263-276.	0.9	9
25	Microchemistry of juvenile <i>Mercenaria mercenaria</i> shell: implications for modeling larval dispersal. <i>Marine Ecology - Progress Series</i> , 2012, 465, 155-168.	0.9	9
26	Strontium isotope constraints on solute sources and mixing dynamics in a large impoundment, South-Central USA. <i>Chemical Geology</i> , 2011, 285, 203-214.	1.4	8
27	Effects of sample cleaning and storage on the elemental composition of shark vertebrae. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 2073-2080.	0.7	8
28	Fin spine metals by LA-ICP-MS as a method for fish stock discrimination of <i>Genidens barbuis</i> in anthropized estuaries. <i>Fisheries Research</i> , 2020, 230, 105625.	0.9	8
29	Neoproterozoic Glaciation "Snowball Earth Hypothesis". , 2021, , 546-556.		7
30	Improved accuracy of U-series and radiocarbon dating of ostrich eggshell using a sample preparation method based on microstructure and geochemistry: A study from the Middle Stone Age of Northwestern Ethiopia. <i>Quaternary Science Reviews</i> , 2020, 247, 106525.	1.4	7
31	Speculations Linking Monazite Compositions to Origin: Llagua Tin Ore Deposit (Bolivia). <i>Resources</i> , 2017, 6, 36.	1.6	6
32	Heterogeneity in Mixed Cerium Oxides and Its Influence on the Behavior of Gold Catalysts for the Selective Oxidation of Ethanol. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19269-19279.	1.5	5
33	Cooling rates of mid-ocean ridge lava deduced from clinopyroxene spherulites. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 282, 1-8.	0.8	4
34	Ion microprobe ^{232}Th - ^{208}Pb ages from high common Pb monazite, Morefield Mine, Amelia County, Virginia: Implications for Alleghanian tectonics. <i>Numerische Mathematik</i> , 2016, 316, 470-503.	0.7	4
35	Neoproterozoic Rosetta Gabbro from northernmost Arabian "Nubian Shield, south Jordan: Geochemistry and petrogenesis. <i>Lithos</i> , 2017, 284-285, 545-559.	0.6	4
36	Fluids along the North Anatolian Fault, Nksar basin, north central Turkey: Insight from stable isotopic and geochemical analysis of calcite veins. <i>Journal of Structural Geology</i> , 2017, 101, 58-79.	1.0	4

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37	Ontogenetic Patterns of Elemental Tracers in the Vertebrae Cartilage of Coastal and Oceanic Sharks. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	4
38	Integrated use of otolith shape and microchemistry to assess <i>Genidens barbus</i> fish stock structure. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 261, 107560.	0.9	3
39	Origin and Evolution of Oscillatory Zoned Garnet From Kasva Skarn, Northeast Tafresh, Iran. <i>Canadian Mineralogist</i> , 2018, 56, 15-37.	0.3	2
40	Hydroclimate response in Texas and Gulf of Mexico to rapid warming during the last deglacial: High-resolution speleothem proxy and monitoring evidence. <i>Quaternary Science Reviews</i> , 2021, 273, 107244.	1.4	2
41	Evolution of the Arabian Nubian Shield and Snowball Earth. <i>Regional Geology Reviews</i> , 2021, , 153-194.	1.2	1