

# Noel A Heim

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,116  
citations

393982

19  
h-index

525886

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cope's rule in the evolution of marine animals. <i>Science</i> , 2015, 347, 867-870.	6.0	150
2	Ecological selectivity of the emerging mass extinction in the oceans. <i>Science</i> , 2016, 353, 1284-1286.	6.0	144
3	Climate change and the selective signature of the Late Ordovician mass extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6829-6834.	3.3	138
4	Cambrian Depositional History of the Zaskar Valley Region of the Indian Himalaya: Tectonic Implications. <i>Journal of Sedimentary Research</i> , 2006, 76, 364-381.	0.8	74
5	Body Size Evolution Across the Geozoic. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 523-553.	4.6	64
6	The geological completeness of paleontological sampling in North America. <i>Paleobiology</i> , 2010, 36, 61-79.	1.3	59
7	Metabolic dominance of bivalves predates brachiopod diversity decline by more than 150 million years. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133122.	1.2	53
8	Regional Environmental Breadth Predicts Geographic Range and Longevity in Fossil Marine Genera. <i>PLoS ONE</i> , 2011, 6, e18946.	1.1	38
9	Hierarchical complexity and the size limits of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171039.	1.2	34
10	A global ecological signal of extinction risk in terrestrial vertebrates. <i>Conservation Biology</i> , 2022, 36, .	2.4	33
11	Limited role of functional differentiation in early diversification of animals. <i>Nature Communications</i> , 2015, 6, 6455.	5.8	32
12	Covariation in macrostratigraphic and macroevolutionary patterns in the marine record of North America. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 620-630.	1.6	29
13	Cambrian Trilobites from the Parahio and Zaskar Valleys, Indian Himalaya. <i>Journal of Paleontology</i> , 2009, 83, 1-95.	0.5	28
14	Stability of regional brachiopod diversity structure across the Mississippian/Pennsylvanian boundary. <i>Paleobiology</i> , 2009, 35, 393-412.	1.3	24
15	Extinction intensity, selectivity and their combined macroevolutionary influence in the fossil record. <i>Biology Letters</i> , 2016, 12, 20160202.	1.0	24
16	Body size, sampling completeness, and extinction risk in the marine fossil record. <i>Paleobiology</i> , 2020, 46, 23-40.	1.3	24
17	Macrostratigraphy and macroevolution in marine environments: testing the common-cause hypothesis. <i>Geological Society Special Publication</i> , 2011, 358, 95-104.	0.8	23
18	Evaluating the influences of temperature, primary production, and evolutionary history on bivalve growth rates. <i>Paleobiology</i> , 2019, 45, 405-420.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Ecologically diverse clades dominate the oceans via extinction resistance. <i>Science</i> , 2020, 367, 1035-1038.	6.0	22
20	Contrasting patterns and connections of rock and biotic diversity in the marine and non-marine fossil records of North America. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 372, 123-129.	1.0	20
21	A framework for the integrated analysis of the magnitude, selectivity, and biotic effects of extinction and origination. <i>Paleobiology</i> , 2020, 46, 1-22.	1.3	20
22	Stratigraphic distribution of marine fossils in North America. <i>Geology</i> , 2011, 39, 259-262.	2.0	18
23	The evolution of complex life and the stabilization of the Earth system. <i>Interface Focus</i> , 2020, 10, 20190106.	1.5	11
24	Is biodiversity energy-limited or unbounded? A test in fossil and modern bivalves. <i>Paleobiology</i> , 2018, 44, 385-401.	1.3	9
25	Mass extinctions alter extinction and origination dynamics with respect to body size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211681.	1.2	8
26	A null biogeographic model for quantifying the role of migration in shaping patterns of global taxonomic richness and differentiation diversity, with implications for Ordovician biogeography. <i>Paleobiology</i> , 2008, 34, 195-209.	1.3	5
27	Respiratory medium and circulatory anatomy constrain size evolution in marine macrofauna. <i>Paleobiology</i> , 2020, 46, 288-303.	1.3	5
28	EXTINCTION INTENSITY, SELECTIVITY, AND THEIR COMBINED MACROEVOLUTIONARY INFLUENCE IN THE FOSSIL RECORD. , 2016, , .		1
29	II.9. The Fossil Record. , 2013, , 112-119.		0
30	Idiographic and nomothetic approaches to heterogeneity are complementary: Response to comments on "Evaluating the influences of temperature, primary production, and evolutionary history on bivalve growth rates". <i>Paleobiology</i> , 2020, 46, 275-277.	1.3	0
31	GEOGRAPHIC VARIATIONS IN BODY SIZE FOR THE NORTHERN ATLANTIC PELAGIC BIOME. , 2016, , .		0
32	USING AN AUTHENTIC SUMMER RESEARCH EXPERIENCE TO IMPROVE SCIENCE LITERACY AND EARTH SCIENCE AWARENESS. , 2016, , .		0