Daniel W Mcshea

List of Publications by Year
in descending order

56	3,417	236612	243296
papers	citations	25 h-index	44 g-index

62	62	62	2296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Individual versus social complexity, with particular reference to ant colonies. Biological Reviews, 2001, 76, 211-237.	4.7	288
2	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 24-27.	3.3	260
3	MECHANISMS OF LARGE-SCALE EVOLUTIONARY TRENDS. Evolution; International Journal of Organic Evolution, 1994, 48, 1747-1763.	1.1	250
4	Detecting changes in morphospace occupation patterns in the fossil record: characterization and analysis of measures of disparity. Paleobiology, 2001, 27, 695-715.	1.3	229
5	Complexity and evolution: What everybody knows. Biology and Philosophy, 1991, 6, 303-324.	0.7	209
6	PERSPECTIVE METAZOAN COMPLEXITY AND EVOLUTION: IS THERE A TREND?. Evolution; International Journal of Organic Evolution, 1996, 50, 477-492.	1.1	157
7	Mechanisms of Large-Scale Evolutionary Trends. Evolution; International Journal of Organic Evolution, 1994, 48, 1747.	1.1	152
8	Origin and evolution of large brains in toothed whales. The Anatomical Record, 2004, 281A, 1247-1255.	2.3	145
9	Perspective: Metazoan Complexity and Evolution: Is There a Trend?. Evolution; International Journal of Organic Evolution, 1996, 50, 477.	1.1	129
10	POSSIBLE LARGEST-SCALE TRENDS IN ORGANISMAL EVOLUTION: Eight â€œLive Hypothesesâ€• Annual Review of Ecology, Evolution, and Systematics, 1998, 29, 293-318.	6.7	117
11	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. Photosynthesis Research, 2011, 107, 37-57.	1.6	107
12	The hierarchical structure of organisms: a scale and documentation of a trend in the maximum. Paleobiology, 2001, 27, 405-423.	1.3	89
13	Functional Complexity in Organisms: Parts as Proxies. Biology and Philosophy, 2000, 15, 641-668.	0.7	87
14	EVOLUTIONARY CHANGE IN THE MORPHOLOGICAL COMPLEXITY OF THE MAMMALIAN VERTEBRAL COLUMN. Evolution; International Journal of Organic Evolution, 1993, 47, 730-740.	1.1	85
15	Body Size Evolution Across the Geozoic. Annual Review of Earth and Planetary Sciences, 2016, 44, 523-553.	4.6	64
16	Intermediate-level parts in insect societies: adaptive structures that ants build away from the nest. Insectes Sociaux, 2001, 48, 291-301.	0.7	62
17	The evolution of complexity without natural selection, a possible large-scale trend of the fourth kind. Paleobiology, 2005, 31, 146-156.	1.3	57
18	A metric for the study of evolutionary trends in the complexity of serial structures. Biological Journal of the Linnean Society, 1992, 45, 39-55.	0.7	50

#	Article	IF	Citations
19	The complexity and hierarchical structure of tasks in insect societies. Animal Behaviour, 2001, 62, 643-651.	0.8	50
20	A COMPLEXITY DRAIN ON CELLS IN THE EVOLUTION OF MULTICELLULARITY. Evolution; International Journal of Organic Evolution, 2002, 56, 441-452.	1.1	49
21	Trends, tools, and terminology. Paleobiology, 2000, 26, 330-333.	1.3	46
22	The Miscellaneous Transitions in Evolution. , 2011, , 19-34.		39
23	Hierarchical complexity and the size limits of life. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171039.	1.2	34
24	Evolutionary Change in the Morphological Complexity of the Mammalian Vertebral Column. Evolution; International Journal of Organic Evolution, 1993, 47, 730.	1.1	33
25	Upper-directed systems: a new approach to teleology in biology. Biology and Philosophy, 2012, 27, 663-684.	0.7	33
26	Philosophy of Biology. , 0, , .		32
27	What is a Part?. , 2001, , 259-284.		31
28	Increasing hierarchical complexity throughout the history of life: phylogenetic tests of trend mechanisms. Paleobiology, 2007, 33, 182-200.	1.3	30
29	Three Puzzles in Hierarchical Evolution. Integrative and Comparative Biology, 2003, 43, 74-81.	0.9	29
30	COMPLEXITY AND HOMOPLASY. , 1996, , 207-225.		26
31	Complexity by Subtraction. Evolutionary Biology, 2013, 40, 504-520.	0.5	24
32	Arguments, tests, and the Burgess Shale â€" a commentary on the debate. Paleobiology, 1993, 19, 399-402.	1.3	22
33	Three Trends in the History of Life: An Evolutionary Syndrome. Evolutionary Biology, 2016, 43, 531-542.	0.5	19
34	Testing for bias in the evolution of coloniality: a demonstration in cyclostome bryozoans. Paleobiology, 2002, 28, 308-327.	1.3	18
35	Freedom and purpose in biology. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2016, 58, 64-72.	0.8	13
36	A quantitative formulation of biology's first law. Evolution; International Journal of Organic Evolution, 2019, 73, 1101-1115.	1.1	12

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37	Evolution of Complexity. , 2017, , 1-11.		12
38	Machine wanting. Studies in History and Philosophy of Science Part C:Studies in History and Philosophy of Biological and Biomedical Sciences, 2013, 44, 679-687.	0.8	11
39	Four solutions for four puzzles. Biology and Philosophy, 2012, 27, 737-744.	0.7	10
40	An externalist teleology. SynthÃˆse, 0, , 1.	0.6	10
41	A Revised Darwinism. Biology and Philosophy, 2004, 19, 45-53.	0.7	7
42	Logic, passion and the problem of convergence. Interface Focus, 2017, 7, 20160122.	1.5	7
43	Operationalizing Goal Directedness: An Empirical Route to Advancing a Philosophical Discussion. Philosophy Theory and Practice in Biology, 2020, 12, .	0.2	7
44	Drosophila mutants suggest a strong drive toward complexity in evolution. Evolution & Development, 2013, 15, 53-62.	1.1	6
45	A Universal Generative Tendency toward Increased Organismal Complexity. , 2005, , 435-453.		5
46	Applying the Prigogine view of dissipative systems to the major transitions in evolution. Paleobiology, 2022, 48, 711-728.	1.3	4
47	Evolution of Complexity. , 2021, , 169-179.		3
48	* Department of Zoology, Duke University, Durham, North Carolina; E-mail: dmcshea@acpub.duke.edu. Adaptive Behavior, 1996, 4, 466-470.	1.1	2
49	Biology and Value Theory. , 0, , 307-328.		2
50	Sense and Depth. Biology and Philosophy, 2000, 15, 751-758.	0.7	2
51	Untangling the Morass. American Scientist, 2011, 99, 154.	0.1	1
52	Geneâ€talk talk about sociobiology. Social Epistemology, 1992, 6, 183-192.	0.7	0
53	Functional vs. phylogenetic control in the evolution of the vertebral column. The Paleontological Society Special Publications, 1992, 6, 208-208.	0.0	0
54	Evolutionary trends and the salience bias (with apologies to oil tankers, Karl Marx, and others). Technical Communication Quarterly, 1994, 3, 21-38.	1.0	0

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55	A post-modern vision of artificial life. Complexity, 1996, 1, 36-38.	0.9	0
56	Comments on ?evolutionary complexity,? H. Morowitz, complexity 3(6): pp. 12-14.. Complexity, 1998, 4, 11-12.	0.9	0