Daniel W Mcshea

List of Publications by Year
in descending order

56 papers	3,417 citations	236925 25 h-index	243625 44 g-index
62 all docs	62 docs citations	62 times ranked	2296 citing authors

#	Article	IF	Citations
1	Applying the Prigogine view of dissipative systems to the major transitions in evolution. Paleobiology, 2022, 48, 711-728.	2.0	4
2	Evolution of Complexity. , 2021, , 169-179.		3
3	Operationalizing Goal Directedness: An Empirical Route to Advancing a Philosophical Discussion. Philosophy Theory and Practice in Biology, 2020, 12, .	0.7	7
4	A quantitative formulation of biology's first law. Evolution; International Journal of Organic Evolution, 2019, 73, 1101-1115.	2.3	12
5	Logic, passion and the problem of convergence. Interface Focus, 2017, 7, 20160122.	3.0	7
6	Hierarchical complexity and the size limits of life. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171039.	2.6	34
7	Evolution of Complexity. , 2017, , 1-11.		12
8	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.	1.3	13
9	Body Size Evolution Across the Geozoic. Annual Review of Earth and Planetary Sciences, 2016, 44, 523-553.	11.0	64
10	Three Trends in the History of Life: An Evolutionary Syndrome. Evolutionary Biology, 2016, 43, 531-542.	1.1	19
11	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.	1.3	11
12	Drosophila mutants suggest a strong drive toward complexity in evolution. Evolution & Development, 2013, 15, 53-62.	2.0	6
13	Complexity by Subtraction. Evolutionary Biology, 2013, 40, 504-520.	1.1	24
14	Upper-directed systems: a new approach to teleology in biology. Biology and Philosophy, 2012, 27, 663-684.	1.4	33
15	Four solutions for four puzzles. Biology and Philosophy, 2012, 27, 737-744.	1.4	10
16	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. Photosynthesis Research, 2011, 107, 37-57.	2.9	107
17	Untangling the Morass. American Scientist, 2011, 99, 154.	0.1	1
18	The Miscellaneous Transitions in Evolution. , 2011, , 19-34.		39

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19	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.	7.1	260
20	Increasing hierarchical complexity throughout the history of life: phylogenetic tests of trend mechanisms. Paleobiology, 2007, 33, 182-200.	2.0	30
21	The evolution of complexity without natural selection, a possible large-scale trend of the fourth kind. Paleobiology, 2005, 31, 146-156.	2.0	57
22	A Universal Generative Tendency toward Increased Organismal Complexity. , 2005, , 435-453.		5
23	A Revised Darwinism. Biology and Philosophy, 2004, 19, 45-53.	1.4	7
24	Origin and evolution of large brains in toothed whales. The Anatomical Record, 2004, 281A, 1247-1255.	1.8	145
25	Three Puzzles in Hierarchical Evolution. Integrative and Comparative Biology, 2003, 43, 74-81.	2.0	29
26	Testing for bias in the evolution of coloniality: a demonstration in cyclostome bryozoans. Paleobiology, 2002, 28, 308-327.	2.0	18
27	A COMPLEXITY DRAIN ON CELLS IN THE EVOLUTION OF MULTICELLULARITY. Evolution; International Journal of Organic Evolution, 2002, 56, 441-452.	2.3	49
28	Detecting changes in morphospace occupation patterns in the fossil record: characterization and analysis of measures of disparity. Paleobiology, 2001, 27, 695-715.	2.0	229
29	Intermediate-level parts in insect societies: adaptive structures that ants build away from the nest. Insectes Sociaux, 2001, 48, 291-301.	1.2	62
30	The hierarchical structure of organisms: a scale and documentation of a trend in the maximum. Paleobiology, 2001, 27, 405-423.	2.0	89
31	Individual versus social complexity, with particular reference to ant colonies. Biological Reviews, 2001, 76, 211-237.	10.4	288
32	The complexity and hierarchical structure of tasks in insect societies. Animal Behaviour, 2001, 62, 643-651.	1.9	50
33	What is a Part?. , 2001, , 259-284.		31
34	Functional Complexity in Organisms: Parts as Proxies. Biology and Philosophy, 2000, 15, 641-668.	1.4	87
35	Sense and Depth. Biology and Philosophy, 2000, 15, 751-758.	1.4	2
36	Trends, tools, and terminology. Paleobiology, 2000, 26, 330-333.	2.0	46

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37	Comments on ?evolutionary complexity,? H. Morowitz, complexity 3(6): pp. 12-14.. Complexity, 1998, 4, 11-12.	1.6	0
38	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
39	Perspective: Metazoan Complexity and Evolution: Is There a Trend?. Evolution; International Journal of Organic Evolution, 1996, 50, 477.	2.3	129
40	* Department of Zoology, Duke University, Durham, North Carolina; E-mail: dmcshea@acpub.duke.edu. Adaptive Behavior, 1996, 4, 466-470.	1.9	2
41	A post-modern vision of artificial life. Complexity, 1996, 1, 36-38.	1.6	0
42	PERSPECTIVE METAZOAN COMPLEXITY AND EVOLUTION: IS THERE A TREND?. Evolution; International Journal of Organic Evolution, 1996, 50, 477-492.	2.3	157
43	COMPLEXITY AND HOMOPLASY. , 1996, , 207-225.		26
44	Evolutionary trends and the salience bias (with apologies to oil tankers, Karl Marx, and others). Technical Communication Quarterly, 1994, 3, 21-38.	1.6	0
45	Mechanisms of Large-Scale Evolutionary Trends. Evolution; International Journal of Organic Evolution, 1994, 48, 1747.	2.3	152
46	MECHANISMS OF LARGE-SCALE EVOLUTIONARY TRENDS. Evolution; International Journal of Organic Evolution, 1994, 48, 1747-1763.	2.3	250
47	Evolutionary Change in the Morphological Complexity of the Mammalian Vertebral Column. Evolution; International Journal of Organic Evolution, 1993, 47, 730.	2.3	33
48	EVOLUTIONARY CHANGE IN THE MORPHOLOGICAL COMPLEXITY OF THE MAMMALIAN VERTEBRAL COLUMN. Evolution; International Journal of Organic Evolution, 1993, 47, 730-740.	2.3	85
49	Arguments, tests, and the Burgess Shale â€” a commentary on the debate. Paleobiology, 1993, 19, 399-402.	2.0	22
50	Geneâ€talk talk about sociobiology. Social Epistemology, 1992, 6, 183-192.	1.2	0
51	Functional vs. phylogenetic control in the evolution of the vertebral column. The Paleontological Society Special Publications, 1992, 6, 208-208.	0.0	0
52	A metric for the study of evolutionary trends in the complexity of serial structures. Biological Journal of the Linnean Society, 1992, 45, 39-55.	1.6	50
53	Complexity and evolution: What everybody knows. Biology and Philosophy, 1991, 6, 303-324.	1.4	209
54	Biology and Value Theory. , 0, , 307-328.		2

#	Article	IF	Citations
55	An externalist teleology. SynthÃˆse, 0, , 1.	1.1	10
56	Philosophy of Biology. , 0, , .		32