

Daniel W Mcshea

List of Publications by Year in descending order

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Version: 2024-02-01

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	Individual <i>versus</i> social complexity, with particular reference to ant colonies. <i>Biological Reviews</i> , 2001, 76, 211-237.	10.4	288
2	Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 24-27.	7.1	260
3	MECHANISMS OF LARGE-SCALE EVOLUTIONARY TRENDS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1747-1763.	2.3	250
4	Detecting changes in morphospace occupation patterns in the fossil record: characterization and analysis of measures of disparity. <i>Paleobiology</i> , 2001, 27, 695-715.	2.0	229
5	Complexity and evolution: What everybody knows. <i>Biology and Philosophy</i> , 1991, 6, 303-324.	1.4	209
6	PERSPECTIVE METAZOAN COMPLEXITY AND EVOLUTION: IS THERE A TREND?. <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 477-492.	2.3	157
7	Mechanisms of Large-Scale Evolutionary Trends. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1747.	2.3	152
8	Origin and evolution of large brains in toothed whales. <i>The Anatomical Record</i> , 2004, 281A, 1247-1255.	1.8	145
9	Perspective: Metazoan Complexity and Evolution: Is There a Trend?. <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 477.	2.3	129
10	POSSIBLE LARGEST-SCALE TRENDS IN ORGANISMAL EVOLUTION: Eight "Live Hypotheses". <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1998, 29, 293-318.	6.7	117
11	The evolutionary consequences of oxygenic photosynthesis: a body size perspective. <i>Photosynthesis Research</i> , 2011, 107, 37-57.	2.9	107
12	The hierarchical structure of organisms: a scale and documentation of a trend in the maximum. <i>Paleobiology</i> , 2001, 27, 405-423.	2.0	89
13	Functional Complexity in Organisms: Parts as Proxies. <i>Biology and Philosophy</i> , 2000, 15, 641-668.	1.4	87
14	EVOLUTIONARY CHANGE IN THE MORPHOLOGICAL COMPLEXITY OF THE MAMMALIAN VERTEBRAL COLUMN. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 730-740.	2.3	85
15	Body Size Evolution Across the Geozoic. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 523-553.	11.0	64
16	Intermediate-level parts in insect societies: adaptive structures that ants build away from the nest. <i>Insectes Sociaux</i> , 2001, 48, 291-301.	1.2	62
17	The evolution of complexity without natural selection, a possible large-scale trend of the fourth kind. <i>Paleobiology</i> , 2005, 31, 146-156.	2.0	57
18	A metric for the study of evolutionary trends in the complexity of serial structures. <i>Biological Journal of the Linnean Society</i> , 1992, 45, 39-55.	1.6	50

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19	The complexity and hierarchical structure of tasks in insect societies. <i>Animal Behaviour</i> , 2001, 62, 643-651.	1.9	50
20	A COMPLEXITY DRAIN ON CELLS IN THE EVOLUTION OF MULTICELLULARITY. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 441-452.	2.3	49
21	Trends, tools, and terminology. <i>Paleobiology</i> , 2000, 26, 330-333.	2.0	46
22	The Miscellaneous Transitions in Evolution. , 2011, , 19-34.		39
23	Hierarchical complexity and the size limits of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171039.	2.6	34
24	Evolutionary Change in the Morphological Complexity of the Mammalian Vertebral Column. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 730.	2.3	33
25	Upper-directed systems: a new approach to teleology in biology. <i>Biology and Philosophy</i> , 2012, 27, 663-684.	1.4	33
26	<i>Philosophy of Biology</i> . , 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. <i>Paleobiology</i> , 2007, 33, 182-200.	2.0	30
29	Three Puzzles in Hierarchical Evolution. <i>Integrative and Comparative Biology</i> , 2003, 43, 74-81.	2.0	29
30	COMPLEXITY AND HOMOPLASY. , 1996, , 207-225.		26
31	Complexity by Subtraction. <i>Evolutionary Biology</i> , 2013, 40, 504-520.	1.1	24
32	Arguments, tests, and the Burgess Shale â€” a commentary on the debate. <i>Paleobiology</i> , 1993, 19, 399-402.	2.0	22
33	Three Trends in the History of Life: An Evolutionary Syndrome. <i>Evolutionary Biology</i> , 2016, 43, 531-542.	1.1	19
34	Testing for bias in the evolution of coloniality: a demonstration in cyclostome bryozoans. <i>Paleobiology</i> , 2002, 28, 308-327.	2.0	18
35	Freedom and purpose in biology. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2016, 58, 64-72.	1.3	13
36	A quantitative formulation of biology's first law. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1101-1115.	2.3	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.	1.3	11
39	Four solutions for four puzzles. Biology and Philosophy, 2012, 27, 737-744.	1.4	10
40	An externalist teleology. Synth�se, 0, , 1.	1.1	10
41	A Revised Darwinism. Biology and Philosophy, 2004, 19, 45-53.	1.4	7
42	Logic, passion and the problem of convergence. Interface Focus, 2017, 7, 20160122.	3.0	7
43	Operationalizing Goal Directedness: An Empirical Route to Advancing a Philosophical Discussion. Philosophy Theory and Practice in Biology, 2020, 12, .	0.7	7
44	<i>Drosophila</i> mutants suggest a strong drive toward complexity in evolution. Evolution & Development, 2013, 15, 53-62.	2.0	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.	2.0	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.	1.9	2
49	Biology and Value Theory. , 0, , 307-328.		2
50	Sense and Depth. Biology and Philosophy, 2000, 15, 751-758.	1.4	2
51	Untangling the Morass. American Scientist, 2011, 99, 154.	0.1	1
52	Gene�talk talk about sociobiology. Social Epistemology, 1992, 6, 183-192.	1.2	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.	1.6	0

#	ARTICLE	IF	CITATIONS
55	A post-modern vision of artificial life. Complexity, 1996, 1, 36-38.	1.6	0
56	Comments on ?evolutionary complexity,? H. Morowitz, complexity 3(6): pp. 12-14.. Complexity, 1998, 4, 11-12.	1.6	0