

Manfred D Laubichler

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,280
citations

331670

21
h-index

243625

44
g-index

84
all docs

84
docs citations

84
times ranked

2577
citing authors

#	ARTICLE	IF	CITATIONS
1	The origin and evolution of cell types. <i>Nature Reviews Genetics</i> , 2016, 17, 744-757.	16.3	572
2	A pluralistic and integrated approach to action-oriented knowledge for sustainability. <i>Nature Sustainability</i> , 2021, 4, 93-100.	23.7	291
3	Developmental Evolution as a Mechanistic Science: The Inference from Developmental Mechanisms to Evolutionary Processes ¹ . <i>American Zoologist</i> , 2000, 40, 819-831.	0.7	142
4	Experiments and evidence in sustainability science: A typology. <i>Journal of Cleaner Production</i> , 2017, 169, 39-47.	9.3	102
5	Perceptions of science. Natural enemies—metaphor or misconception?. <i>Science</i> , 2003, 301, 52-53.	12.6	86
6	The glocal curriculum: A model for transnational collaboration in higher education for sustainable development. <i>Journal of Cleaner Production</i> , 2018, 171, 368-376.	9.3	76
7	Systemic Risks from Different Perspectives. <i>Risk Analysis</i> , 2022, 42, 1902-1920.	2.7	64
8	How Molecular is Molecular Developmental Biology? A Reply to Alex Rosenberg's Reductionism Redux: Computing the Embryo. <i>Biology and Philosophy</i> , 2001, 16, 53-68.	1.4	63
9	Development and evolution of caste dimorphism in honeybees – a modeling approach. <i>Ecology and Evolution</i> , 2012, 2, 3098-3109.	1.9	61
10	Homology in Development and the Development of the Homology Concept ¹ . <i>American Zoologist</i> , 2000, 40, 777-788.	0.7	57
11	Boveri's long experiment: Sea urchin merogones and the establishment of the role of nuclear chromosomes in development. <i>Developmental Biology</i> , 2008, 314, 1-11.	2.0	56
12	The challenges and scope of theoretical biology. <i>Journal of Theoretical Biology</i> , 2011, 276, 269-276.	1.7	56
13	Transnational collaboration for sustainability in higher education: Lessons from a systematic review. <i>Journal of Cleaner Production</i> , 2017, 168, 764-779.	9.3	52
14	Extended evolution: A conceptual framework for integrating regulatory networks and niche construction. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 565-577.	1.3	40
15	The Organism is dead. Long live the organism!. <i>Perspectives on Science</i> , 2000, 8, 286-315.	1.0	37
16	Character identification in evolutionary biology: The role of the organism. <i>Theory in Biosciences</i> , 2000, 119, 20-40.	1.4	35
17	The varied lives of organisms: variation in the historiography of the biological sciences. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2001, 32, 1-29.	1.3	34
18	Working from home, quality of life, and perceived productivity during the first 50-day COVID-19 mitigation measures in Austria: a cross-sectional study. <i>International Archives of Occupational and Environmental Health</i> , 2021, 94, 1823-1837.	2.3	34

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19	Decomposing Multilocus Linkage Disequilibrium. <i>Genetics</i> , 2004, 166, 1581-1583.	2.9	27
20	Computational Perspectives in the History of Science: To the Memory of Peter Damerow. <i>Isis</i> , 2013, 104, 119-130.	0.5	25
21	How Can History of Science Matter to Scientists?. <i>Isis</i> , 2008, 99, 341-349.	0.5	24
22	Modeling normativity in sustainability: a comparison of the sustainable development goals, the Paris agreement, and the papal encyclical. <i>Sustainability Science</i> , 2018, 13, 785-796.	4.9	23
23	Organism and Character Decomposition: Steps towards an Integrative Theory of Biology. <i>Philosophy of Science</i> , 2000, 67, S289-S300.	1.0	21
24	The Moody™s Virus Attacks the U.S. National Science Board. <i>Biological Theory</i> , 2010, 5, 1-2.	1.5	20
25	Quantitative Perspectives on Fifty Years of the Journal of the History of Biology. <i>Journal of the History of Biology</i> , 2017, 50, 695-751.	0.5	18
26	Alfred Kühn (1885-1968) and developmental evolution. , 2004, 302B, 103-110.		17
27	The Comet Cometh: Evolving Developmental Systems. <i>Biological Theory</i> , 2015, 10, 36-49.	1.5	16
28	Systems Bioethics and Stem Cell Biology. <i>Journal of Bioethical Inquiry</i> , 2006, 3, 19-31.	1.5	15
29	Genetic = Heritable (Genetic ≠ DNA). <i>Biological Theory</i> , 2008, 3, 79-84.	1.5	15
30	The relativity of biological function. <i>Theory in Biosciences</i> , 2015, 134, 143-147.	1.4	14
31	Risking Deeper Integration. <i>Biological Theory</i> , 2006, 1, 1-3.	1.5	12
32	Toward a mechanistic explanation of phenotypic evolution: The need for a theory of theory integration. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2018, 330, 5-14.	1.3	12
33	Carl Gegenbaur (1826-1903): Integrating comparative anatomy and embryology. <i>The Journal of Experimental Zoology</i> , 2003, 300B, 23-31.	1.4	11
34	COVID-19 heralds a new epistemology of science for the public good. <i>History and Philosophy of the Life Sciences</i> , 2021, 43, 59.	1.1	11
35	Conrad Hal Waddington: Forefather of Theoretical EvoDevo. <i>Biological Theory</i> , 2008, 3, 185-187.	1.5	10
36	The diversity of experimental organisms in biomedical research may be influenced by biomedical funding. <i>BioEssays</i> , 2017, 39, 1600258.	2.5	9

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37	From systems to biology: A computational analysis of the research articles on systems biology from 1992 to 2013. PLoS ONE, 2018, 13, e0200929.	2.5	9
38	Innovations are disproportionately likely in the periphery of a scientific network. Theory in Biosciences, 2021, 140, 391-399.	1.4	9
39	Computational History of Knowledge: Challenges and Opportunities. Isis, 2019, 110, 502-512.	0.5	8
40	Data Management and Data Sharing in Science and Technology Studies. Science Technology and Human Values, 2019, 44, 143-160.	3.1	8
41	Conrad H. Waddington: Towards a Theoretical Biology. Biological Theory, 2008, 3, 233-237.	1.5	7
42	Tinkering: A Conceptual and Historical Evaluation. Novartis Foundation Symposium, 2007, 284, 20-34.	1.1	7
43	Symposium "The Organism in Philosophical Focus"--An Introduction. Philosophy of Science, 2000, 67, S256-S259.	1.0	6
44	Ontogeny, anatomy, and the problem of homology: Carl Gegenbaur and the American tradition of cell lineage studies. Theory in Biosciences, 2003, 122, 194-203.	1.4	6
45	The Embryo Project: An Integrated Approach to History, Practices, and Social Contexts of Embryo Research. Journal of the History of Biology, 2010, 43, 1-16.	0.5	6
46	Measuring the contributions of Chinese scholars to the research field of systems biology from 2005 to 2013. Scientometrics, 2017, 110, 1615-1631.	3.0	6
47	The Giles Ecosystem "Storage, Text Extraction, and OCR of Documents. Journal of Open Research Software, 2017, 5, 26.	5.9	6
48	The strategy concept and John Maynard Smith's influence on theoretical biology. Biology and Philosophy, 2006, 20, 1041-1050.	1.4	4
49	The Strategic View of Biological Agents. Biological Theory, 2006, 1, 191-194.	1.5	4
50	The Specter of the Past: What the History of Theoretical Biology Means Today. Biological Theory, 2007, 2, 131-133.	1.5	4
51	CELL BIOLOGY: Seeing Is Believing, But What Do We See?. Science, 1999, 284, 58-58.	12.6	3
52	ESSAYS ON SCIENCE AND SOCIETY: Frankenstein in the Land of Dichter and Denker. Science, 1999, 286, 1859-1860.	12.6	3
53	August Weismann and Theoretical Biology. Biological Theory, 2006, 1, 195-198.	1.5	3
54	A Proposal for Integrating Theories of Complexity for Better Understanding Global Systemic Risks. Risk Analysis, 2022, 42, 1945-1951.	2.7	3

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55	The regulatory genome: Eric Davidson at 70. <i>BioEssays</i> , 2007, 29, 937-939.	2.5	2
56	Quantifying simultaneous innovations in evolutionary medicine. <i>Theory in Biosciences</i> , 2020, 139, 319-335.	1.4	2
57	Systematic shifts in scaling behavior based on organizational strategy in universities. <i>PLoS ONE</i> , 2021, 16, e0254582.	2.5	2
58	Die Geschichte der genetisch orientierten Hirnforschung von Cecile und Oskar Vogt in der Zeit von 1895 bis ca. 1927. <i>Helga Satzinger. Isis</i> , 1999, 90, 394-395.	0.5	1
59	HISTORY OF SCIENCE: A Premodern Synthesis. <i>Science</i> , 2003, 299, 516-517.	12.6	1
60	HISTORY OF SCIENCE: A Constrained View of Evo-Devo's Roots. <i>Science</i> , 2005, 309, 1019-1020.	12.6	1
61	The Problem of Origins. <i>Biological Theory</i> , 2006, 1, 111-111.	1.5	1
62	“General Biology” Old and New: The Challenges Facing Biological Explanation. <i>Biological Theory</i> , 2007, 2, 329-331.	1.5	1
63	The Tragic Sense of Life: Ernst Haeckel and the Struggle over Evolutionary Thought (review). <i>Bulletin of the History of Medicine</i> , 2010, 84, 300-301.	0.5	1
64	Frederick B. Churchill. <i>August Weismann: Development, Heredity, and Evolution</i> . xii + 700 pp., illus., app., index. Cambridge, Mass.: Harvard University Press, 2015. \$49.95 (cloth). ISBN 9780674736894.. <i>Isis</i> , 2019, 110, 620-621.	0.5	1
65	Introduction to the special issue: quantifying collectivity. <i>Theory in Biosciences</i> , 2021, 140, 321-323.	1.4	1
66	Homo Cerebralis: Der Wandel vom Seelenorgan zum Gehirn. Michael Hagner. <i>Isis</i> , 2000, 91, 140-141.	0.5	0
67	Membranes: Metaphors of Invasion in Nineteenth-Century Literature, Science, and Politics. By Laura Otis (Baltimore, Johns Hopkins University Press, 1999) 210 pp. \$45.00. <i>Journal of Interdisciplinary History</i> , 2001, 32, 287-288.	0.0	0
68	An Egg Is an Egg Is an Egg. <i>Cell</i> , 2002, 111, 460-461.	28.9	0
69	From DNA to Diversity: Molecular Genetics and the Evolution of Animal Design (review). <i>Perspectives in Biology and Medicine</i> , 2003, 46, 148-153.	0.5	0
70	HISTORY OF SCIENCE: Tragedy Averted. <i>Science</i> , 2004, 304, 1747-1748.	12.6	0
71	Oren Solomon Harman. <i>The Man Who Invented the Chromosome: A Life of Cyril Darlington</i> . Cambridge, Massachusetts, Harvard University Press, 2004. x, 329 pp. \$49.95.. <i>Journal of the History of Medicine and Allied Sciences</i> , 2005, 60, 520-522.	0.8	0
72	Relatedness: Capturing Cohesion in Biological Systems. <i>Biological Theory</i> , 2006, 1, 414-417.	1.5	0

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73	SORAYA DE CHADAREVIAN and NICK HOPWOOD (eds.), <i>Models: The Third Dimension of Science</i> . Stanford: Stanford University Press, 2004. Pp. xvi+464. ISBN 0-8047-3972-2. Å£17.50, \$24.95 (paperback).. <i>British Journal for the History of Science</i> , 2006, 39, 596-597.	0.7	0
74	Where is Theoretical Biology Heading?. <i>Biological Theory</i> , 2007, 2, 210-212.	1.5	0
75	Agents, Modeling Processes, and the Allure of Prophecy. <i>Biological Theory</i> , 2008, 3, 73-78.	1.5	0
76	Final Discussion: Issues and Challenges for the Future. <i>Perspectives in Biology and Medicine</i> , 2012, 55, 608-611.	0.5	0
77	The Camel's Nose: Memoirs of a Curious Scientist. Knut Schmidt-Nielsen. <i>Isis</i> , 1999, 90, 622-624.	0.5	0