

Gerd B Müller

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5318/gerd-b-muller-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

3,198
citations

24
h-index

51
g-index

51
ext. papers

3,697
ext. citations

5.7
avg, IF

5.5
L-index

#	Paper	IF	Citations
46	Evo-Devo Contributions to the Extended Evolutionary Synthesis 2021 , 1127-1138		0
45	Evo-Devo Contributions to the Extended Evolutionary Synthesis 2020 , 1-12		1
44	A threshold model for polydactyly. <i>Progress in Biophysics and Molecular Biology</i> , 2018 , 137, 1-11	4.7	9
43	Developmental finite element analysis of cichlid pharyngeal jaws: Quantifying the generation of a key innovation. <i>PLoS ONE</i> , 2018 , 13, e0189985	3.7	7
42	Polydactyly in Development, Inheritance, and Evolution. <i>Quarterly Review of Biology</i> , 2017 , 92, 1-38	5.4	11
41	Why an extended evolutionary synthesis is necessary. <i>Interface Focus</i> , 2017 , 7, 20170015	3.9	64
40	The cephalopod arm crown: appendage formation and differentiation in the Hawaiian bobtail squid. <i>Frontiers in Zoology</i> , 2016 , 13, 44	2.8	10
39	Phenotypic Novelty in EvoDevo: The Distinction Between Continuous and Discontinuous Variation and Its Importance in Evolutionary Theory. <i>Evolutionary Biology</i> , 2016 , 43, 314-335	3	24
38	The morphometrics of "masculinity" in human faces. <i>PLoS ONE</i> , 2015 , 10, e0118374	3.7	37
37	The extended evolutionary synthesis: its structure, assumptions and predictions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151019	4.4	528
36	Past climate change on Sky Islands drives novelty in a core developmental gene network and its phenotype. <i>BMC Evolutionary Biology</i> , 2015 , 15, 183	3	27
35	Heterochrony and early left-right asymmetry in the development of the cardiorespiratory system of snakes. <i>PLoS ONE</i> , 2015 , 10, e116416	3.7	9
34	The lateral mesodermal divide: an epigenetic model of the origin of paired fins. <i>Evolution & Development</i> , 2014 , 16, 38-48	2.6	7
33	Biased Polyphenism in Polydactylous Cats Carrying a Single Point Mutation: The Hemingway Model for Digit Novelty. <i>Evolutionary Biology</i> , 2014 , 41, 262-275	3	18
32	Studying developmental variation with Geometric Morphometric Image Analysis (GMIA). <i>PLoS ONE</i> , 2014 , 9, e115076	3.7	17
31	Does evolutionary theory need a rethink?. <i>Nature</i> , 2014 , 514, 161-4	50.4	530
30	Is Non-genetic Inheritance Just a Proximate Mechanism? A Corroboration of the Extended Evolutionary Synthesis. <i>Biological Theory</i> , 2013 , 7, 189-195	1.7	49

29	Beyond Spandrels: Stephen J. Gould, EvoDevo, and the Extended Synthesis 2013 , 85-99		4
28	Bio. Gerd B. Müller. <i>Evolution & Development</i> , 2011 , 13, 243-6	2.6	1
27	MicroCT for molecular imaging: quantitative visualization of complete three-dimensional distributions of gene products in embryonic limbs. <i>Developmental Dynamics</i> , 2011 , 240, 2301-8	2.9	39
26	Lindsay Craig. The So-Called Extended Synthesis and Population Genetics (Biological Theory 5: 117-123, 2010). <i>Biological Theory</i> , 2010 , 5, 275-276	1.7	10
25	Three-dimensional description and mathematical characterization of the parasellar internal carotid artery in human infants. <i>Journal of Anatomy</i> , 2008 , 212, 636-44	2.9	9
24	Pere Alberch: Originator of EvoDevo. <i>Biological Theory</i> , 2008 , 3, 351-356	1.7	5
23	Evo-devo: extending the evolutionary synthesis. <i>Nature Reviews Genetics</i> , 2007 , 8, 943-9	30.1	377
22	Rupert Riedl. Path of Cognition. <i>Biological Theory</i> , 2006 , 1, 188-190	1.7	0
21	Before programs: the physical origination of multicellular forms. <i>International Journal of Developmental Biology</i> , 2006 , 50, 289-99	1.9	113
20	High-resolution episcopic microscopy: a rapid technique for high detailed 3D analysis of gene activity in the context of tissue architecture and morphology. <i>Anatomy and Embryology</i> , 2006 , 211, 213-21		125
19	The innovation triad: an EvoDevo agenda. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2005 , 304, 487-503	1.8	125
18	Embryonic motility: environmental influences and evolutionary innovation. <i>Evolution & Development</i> , 2003 , 5, 56-60	2.6	71
17	Evolutionary innovations overcome ancestral constraints: a re-examination of character evolution in male sepsid flies (Diptera: Sepsidae). <i>Evolution & Development</i> , 2002 , 4, 1-6; discussion 7-8	2.6	51
16	3D modelling of gene expression patterns. <i>Trends in Biotechnology</i> , 2001 , 19, 145-8	15.1	19
15	Epigenetic mechanisms of character origination. <i>The Journal of Experimental Zoology</i> , 2000 , 288, 304-17		185
14	Computer-based three-dimensional visualization of developmental gene expression. <i>Nature Genetics</i> , 2000 , 25, 147-52	36.3	74
13	The parasellar region of human infants: cavernous sinus topography and surgical approaches. <i>Journal of Neurosurgery</i> , 1999 , 90, 484-90	3.2	29
12	Generation, integration, autonomy: three steps in the evolution of homology. <i>Novartis Foundation Symposium</i> , 1999 , 222, 65-73; discussion 73-9		18

11	A new episcopic method for rapid 3-D reconstruction: applications in anatomy and embryology. <i>Anatomy and Embryology</i> , 1998 , 197, 341-8		60
10	A comparative study of stereolithographically modelled skulls of Petralona and Broken Hill: implications for future studies of middle Pleistocene hominid evolution. <i>Journal of Human Evolution</i> , 1997 , 33, 691-703	3.1	88
9	Anatomical compartments of the parasellar region: adipose tissue bodies represent intracranial continuations of extracranial spaces. <i>Journal of Anatomy</i> , 1997 , 191 (Pt 2), 269-75	2.9	21
8	External marker-based automatic congruencing: a new method of 3D reconstruction from serial sections. <i>The Anatomical Record</i> , 1997 , 248, 583-602		73
7	External marker-based automatic congruencing: A new method of 3D reconstruction from serial sections 1997 , 248, 583		5
6	Limb development in a primitive crustacean, <i>Triops longicaudatus</i> : subdivision of the early limb bud gives rise to multibranching limbs. <i>Development Genes and Evolution</i> , 1996 , 206, 161-8	1.8	22
5	Homology, Hox Genes, and Developmental Integration. <i>American Zoologist</i> , 1996 , 36, 4-13		62
4	Natural and experimental reduction of the avian fibula: Developmental thresholds and evolutionary constraint. <i>Journal of Morphology</i> , 1992 , 214, 269-285	1.6	24
3	Experimental Strategies in Evolutionary Embryology. <i>American Zoologist</i> , 1991 , 31, 605-615		22
2	Ontogeny of the limb skeleton in <i>Alligator mississippiensis</i> : Developmental invariance and change in the evolution of archosaur limbs. <i>Journal of Morphology</i> , 1990 , 203, 151-164	1.6	96
1	Ancestral patterns in bird limb development: A new look at Huxley's experiment. <i>Journal of Evolutionary Biology</i> , 1989 , 2, 31-47	2.3	36