Gerd B MÃ¼ller

List of Publications by Year
in descending order

48 papers	4,188 citations	218677 26 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	3145 citing authors

#	Article	IF	Citations
1	Evo-Devoâ€™s Contributions to the Extended Evolutionary Synthesis. , 2021, , 1127-1138.		4
2	Evo-Devoâ€™s Contributions to the Extended Evolutionary Synthesis. , 2020, , 1-12.		1
3	A threshold model for polydactyly. Progress in Biophysics and Molecular Biology, 2018, 137, 1-11.	2.9	13
4	Developmental finite element analysis of cichlid pharyngeal jaws: Quantifying the generation of a key innovation. PLoS ONE, 2018, 13, e0189985.	2.5	10
5	Polydactyly in Development, Inheritance, and Evolution. Quarterly Review of Biology, 2017, 92, 1-38.	0.1	29
6	Why an extended evolutionary synthesis is necessary. Interface Focus, 2017, 7, 20170015.	3.0	102
7	Phenotypic Novelty in EvoDevo: The Distinction Between Continuous and Discontinuous Variation and Its Importance in Evolutionary Theory. Evolutionary Biology, 2016, 43, 314-335.	1.1	31
8	The cephalopod arm crown: appendage formation and differentiation in the Hawaiian bobtail squid Euprymna scolopes. Frontiers in Zoology, 2016, 13, 44.	2.0	14
9	Past climate change on Sky Islands drives novelty in a core developmental gene network and its phenotype. BMC Evolutionary Biology, 2015, 15, 183.	3.2	36
10	The Morphometrics of â€œMasculinityâ€•in Human Faces. PLoS ONE, 2015, 10, e0118374.	2.5	55
11	The extended evolutionary synthesis: its structure, assumptions and predictions. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151019.	2.6	755
12	Heterochrony and Early Left-Right Asymmetry in the Development of the Cardiorespiratory System of Snakes. PLoS ONE, 2015, 10, e116416.	2.5	14
13	The lateral mesodermal divide: an epigenetic model of the origin of paired fins. Evolution & Development, 2014, 16, 38-48.	2.0	10
14	Biased Polyphenism in Polydactylous Cats Carrying a Single Point Mutation: The Hemingway Model for Digit Novelty. Evolutionary Biology, 2014, 41, 262-275.	1.1	21
15	Evolution evolves: physiology returns to centre stage. Journal of Physiology, 2014, 592, 2237-2244.	2.9	102
16	EvoDevo Shapes the Extended Synthesis. Biological Theory, 2014, 9, 119-121.	1.5	5
17	Does evolutionary theory need a rethink?. Nature, 2014, 514, 161-164.	27.8	727
18	Studying Developmental Variation with Geometric Morphometric Image Analysis (GMIA). PLoS ONE, 2014, 9, e115076.	2.5	19

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19	Is Non-genetic Inheritance Just a Proximate Mechanism? A Corroboration of the Extended Evolutionary Synthesis. Biological Theory, 2013, 7, 189-195.	1.5	63
20	Beyond Spandrels: Stephen J. Gould, EvoDevo, and the Extended Synthesis. , 2013, , 85-99.		5
21	BIO. Evolution & Development, 2011, 13, 243-246.	2.0	2
22	MicroCT for molecular imaging: Quantitative visualization of complete threeâ€dimensional distributions of gene products in embryonic limbs. Developmental Dynamics, 2011, 240, 2301-2308.	1.8	59
23	Lindsay Craigâ€"The So-Called Extended Synthesis and Population Genetics (Biological Theory 5: 117â€"123,) Tj ETQq1 1 0.784314 rgB	1.5	11
24	Threeâ€dimensional description and mathematical characterization of the parasellar internal carotid artery in human infants. Journal of Anatomy, 2008, 212, 636-644.	1.5	13
25	Pere Alberch: Originator of EvoDevo. Biological Theory, 2008, 3, 351-356.	1.5	6
26	Evoâ€"devo: extending the evolutionary synthesis. Nature Reviews Genetics, 2007, 8, 943-949.	16.3	481
27	Before programs: The physical origination of multicellular forms. International Journal of Developmental Biology, 2006, 50, 289-299.	0.6	149
28	High-resolution episcopic microscopy: a rapid technique for high detailed 3D analysis of gene activity in the context of tissue architecture and morphology. Anatomy and Embryology, 2006, 211, 213-221.	1.5	147
29	Rupert Riedlâ€™s Path of Cognition. Biological Theory, 2006, 1, 188-190.	1.5	1
30	The innovation triad: an EvoDevo agenda. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2005, 304B, 487-503.	1.3	151
31	Embryonic motility: environmental influences and evolutionary innovation. Evolution & Development, 2003, 5, 56-60.	2.0	83
32	Evolutionary innovations overcome ancestral constraints: a re-examination of character evolution in male sepsid flies (Diptera: Sepsidae). Evolution & Development, 2002, 4, 1-6.	2.0	55
33	3D modelling of gene expression patterns. Trends in Biotechnology, 2001, 19, 145-148.	9.3	21
34	Epigenetic mechanisms of character origination. The Journal of Experimental Zoology, 2000, 288, 304-317.	1.4	241
35	Computer-based three-dimensional visualization of developmental gene expression. Nature Genetics, 2000, 25, 147-152.	21.4	81
36	The parasellar region of human infants: cavernous sinus topography and surgical approaches. Journal of Neurosurgery, 1999, 90, 484-490.	1.6	33

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37	Generation, Integration, Autonomy: Three Steps in the Evolution of Homology. Novartis Foundation Symposium, 1999, 222, 65-79.	1.1	26
38	A new episcopic method for rapid 3-D reconstruction: applications in anatomy and embryology. Anatomy and Embryology, 1998, 197, 341-348.	1.5	69
39	A comparative study of stereolithographically modelled skulls of Petralona and Broken Hill: implications for future studies of middle Pleistocene hominid evolution. Journal of Human Evolution, 1997, 33, 691-703.	2.6	96
40	Anatomical compartments of the parasellar region: adipose tissue bodies represent intracranial continuations of extracranial spaces. Journal of Anatomy, 1997, 191, 269-275.	1.5	25
41	External marker-based automatic congruencing: A new method of 3D reconstruction from serial sections. The Anatomical Record, 1997, 248, 583-602.	1.8	89
42	External markerâ€based automatic congruencing: A new method of 3D reconstruction from serial sections. The Anatomical Record, 1997, 248, 583-602.	1.8	5
43	Limb development in a primitive crustacean, Triops longicaudatus : subdivision of the early limb bud gives rise to multibranched limbs. Development Genes and Evolution, 1996, 206, 161-168.	0.9	24
44	Homology,HoxGenes, and Developmental Integration. American Zoologist, 1996, 36, 4-13.	0.7	79
45	Natural and experimental reduction of the avian fibula: Developmental thresholds and evolutionary constraint. Journal of Morphology, 1992, 214, 269-285.	1.2	30
46	Experimental Strategies in Evolutionary Embryology. American Zoologist, 1991, 31, 605-615.	0.7	29
47	Ontogeny of the limb skeleton inAlligator mississippiensis: Developmental invariance and change in the evolution of archosaur limbs. Journal of Morphology, 1990, 203, 151-164.	1.2	116
48	Ancestral patterns in bird limb development: A new look at Hampe's experiment. Journal of Evolutionary Biology, 1989, 2, 31-47.	1.7	46