Gunter P Wagner

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cooption of polyalanine tract into a repressor domain in the mammalian transcription factor HoxA11. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2023, 340, 486-495.	0.6	3
2	Reframing research on evolutionary novelty and co-option: Character identity mechanisms versus deep homology. Seminars in Cell and Developmental Biology, 2023, 145, 3-12.	2.3	15
3	Single-cell analysis of prostaglandin E2-induced human decidual cell in vitro differentiation: a minimal ancestral deciduogenic signal. Biology of Reproduction, 2022, 106, 155-172.	1.2	23
4	The Coevolution of Placentation and Cancer. Annual Review of Animal Biosciences, 2022, 10, 259-279.	3.6	20
5	Coâ€option of stress mechanisms in the origin of evolutionary novelties. Evolution; International Journal of Organic Evolution, 2022, 76, 394-413.	1.1	18
6	Extending the Explanatory Scope of Evolutionary Theory: The Origination of Historical Kinds in Biology and Culture. Philosophy Theory and Practice in Biology, 2022, 14, .	0.2	5
7	Tracing the cis-regulatory changes underlying the endometrial control of placental invasion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
8	Body Plan Identity: A Mechanistic Model. Evolutionary Biology, 2022, 49, 123-141.	0.5	7
9	Female Genital Variation Far Exceeds That of Male Genitalia: A Review of Comparative Anatomy of Clitoris and the Female Lower Reproductive Tract in Theria. Integrative and Comparative Biology, 2022, 62, 581-601.	0.9	6
10	Evolution of Embryo Implantation Was Enabled by the Origin of Decidual Stromal Cells in Eutherian Mammals. Molecular Biology and Evolution, 2021, 38, 1060-1074.	3.5	23
11	A developmental perspective of homology and evolutionary novelty. Current Topics in Developmental Biology, 2021, 141, 1-38.	1.0	13
12	Devo-Evo of Cell Types. , 2021, , 511-528.		2
13	Molecular Evolution of CatSper in Mammals and Function of Sperm Hyperactivation in Gray Short-Tailed Opossum. Cells, 2021, 10, 1047.	1.8	14
14	Hidden limbs in the "limbless skink― <i>Brachymeles lukbani</i> : Developmental observations. Journal of Anatomy, 2021, 239, 693-703.	0.9	2
15	Enhanced drug delivery to the reproductive tract using nanomedicine reveals therapeutic options for prevention of preterm birth. Science Translational Medicine, 2021, 13, .	5.8	32
16	Cooperative inflammation: The recruitment of inflammatory signaling in marsupial and eutherian pregnancy. Journal of Reproductive Immunology, 2020, 137, 102626.	0.8	20
17	Menstruation: science and society. American Journal of Obstetrics and Gynecology, 2020, 223, 624-664.	0.7	149
18	Locomotion and palaeoclimate explain the re-evolution of quadrupedal body form in <i>Brachymeles</i> lizards. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201994.	1.2	9

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19	Character identity mechanisms: a conceptual model for comparative-mechanistic biology. Biology and Philosophy, 2020, 35, 1.	0.7	37
20	Using <scp>3D</scp> â€digital photogrammetry to examine scaling of the body axis in burrowing skinks. Journal of Morphology, 2020, 281, 1382-1390.	0.6	3
21	The Primacy of Maternal Innovations to the Evolution of Embryo Implantation. Integrative and Comparative Biology, 2020, 60, 742-752.	0.9	13
22	Comments on Boddy et al. 2020: Available data suggest positive relationship between placental invasion and malignancy. Evolution, Medicine and Public Health, 2020, 2020, 211-214.	1.1	12
23	Endometrial recognition of pregnancy occurs in the grey short-tailed opossum (<i>Monodelphis) Tj ETQq1 1 0.78</i>	4314 rgBT 1.2	- /Overlock
24	The origin of platelets enabled the evolution of eutherian placentation. Biology Letters, 2019, 15, 20190374.	1.0	21
25	Evidence against tetrapod-wide digit identities and for a limited frame shift in bird wings. Nature Communications, 2019, 10, 3244.	5.8	17
26	An experimental test of the ovulatory homolog model of female orgasm. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20267-20273.	3.3	13
27	Stressâ€Induced Evolutionary Innovation: A Mechanism for the Origin of Cell Types. BioEssays, 2019, 41, e1800188.	1.2	51
28	Evolution of placental invasion and cancer metastasis are causally linked. Nature Ecology and Evolution, 2019, 3, 1743-1753.	3.4	53
29	Reply to Quintana et al.: Behavior is an unlikely mediator of fluoxetine effects on ovulation in rabbits. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25384-25385.	3.3	0
30	Decidualization of Human Endometrial Stromal Fibroblasts is a Multiphasic Process Involving Distinct Transcriptional Programs. Reproductive Sciences, 2019, 26, 323-336.	1.1	45
31	Devo-Evo of Cell Types. , 2019, , 1-18.		1
32	The evolution of empathy and devoâ€evo—What is the connection?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2018, 330, 65-65.	0.6	1
33	Pervasive Correlated Evolution in Gene Expression Shapes Cell and Tissue Type Transcriptomes. Genome Biology and Evolution, 2018, 10, 538-552.	1.1	70
34	Reply to Liu: Inflammation before implantation both in evolution and development. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3-E4.	3.3	9
35	The first decades of developmental evolution and the <i>Journal of Experimental Zoology</i> . Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2018, 330, 395-395.	0.6	0

Comparative Placentation-Mammals. , 2018, , 455-461.

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37	The mammalian decidual cell evolved from a cellular stress response. PLoS Biology, 2018, 16, e2005594.	2.6	79
38	Are there general laws for digit evolution in squamates? The loss and reâ€evolution of digits in a clade of fossorial lizards (<i>Brachymeles</i> , Scincinae). Journal of Morphology, 2018, 279, 1104-1119.	0.6	17
39	Single-cell transcriptomics of the human placenta: inferring the cell communication network of the maternal-fetal interface. Genome Research, 2017, 27, 349-361.	2.4	260
40	The placenta as a model for understanding the origin and evolution of vertebrate organs. Nature Ecology and Evolution, 2017, 1, 72.	3.4	56
41	Origin, Function, and Effects of Female Orgasm: All Three are Different. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 299-303.	0.6	6
42	The core transcriptome of mammalian placentas and the divergence of expression with placental shape. Placenta, 2017, 57, 71-78.	0.7	62
43	Embryo implantation evolved from an ancestral inflammatory attachment reaction. Proceedings of the United States of America, 2017, 114, E6566-E6575.	3.3	165
44	The power of negative [theoretical] results. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12851-12852.	3.3	4
45	Evolution of Gene Expression in the Uterine Cervix related to Steroid Signaling: Conserved features in the regulation of cervical ripening. Scientific Reports, 2017, 7, 4439.	1.6	12
46	Perspectives on Integrating Genetic and Physical Explanations of Evolution and Development: An Introduction to the Symposium. Integrative and Comparative Biology, 2017, 57, 1258-1268.	0.9	12
47	Hedgehog inhibition causes complete loss of limb outgrowth and transformation of digit identity in <i>Xenopus tropicalis</i> . , 2016, 326, 110-124.		6
48	A Derived Allosteric Switch Underlies the Evolution of Conditional Cooperativity between HOXA11 and FOXO1. Cell Reports, 2016, 15, 2097-2108.	2.9	25
49	What the Evolution of Female Orgasm Teaches Us. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 325-325.	0.6	6
50	What is "homology thinking―and what is it for?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 3-8.	0.6	64
51	The Evolutionary Origin of Female Orgasm. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 326-337.	0.6	51
52	Cis-Regulatory Evolution of Forkhead Box O1 (FOXO1), a Terminal Selector Gene for Decidual Stromal Cell Identity. Molecular Biology and Evolution, 2016, 33, 3161-3169.	3.5	29
53	The Transcriptomic Evolution of Mammalian Pregnancy: Gene Expression Innovations in Endometrial Stromal Fibroblasts. Genome Biology and Evolution, 2016, 8, 2459-2473.	1.1	43
54	The origin and evolution of cell types. Nature Reviews Genetics, 2016, 17, 744-757.	7.7	572

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55	The fetal-maternal interface of the nine-banded armadillo: endothelial cells of maternal sinus are partially replaced by trophoblast. Zoological Letters, 2016, 2, 11.	0.7	11
56	What was the ancestral function of decidual stromal cells? A model for the evolution of eutherian pregnancy. Placenta, 2016, 40, 40-51.	0.7	47
57	Character trees from transcriptome data: Origin and individuation of morphological characters and the soâ€called "species signalâ€. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 588-604.	0.6	66
58	Molecular evolution of HoxA13 and the multiple origins of limbless morphologies in amphibians and reptiles. Genetics and Molecular Biology, 2015, 38, 255-262.	0.6	5
59	Ancient Transposable Elements Transformed the Uterine Regulatory Landscape and Transcriptome during the Evolution of Mammalian Pregnancy. Cell Reports, 2015, 10, 551-561.	2.9	249
60	The statistical geometry of transcriptome divergence in cell-type evolution and cancer. Nature Communications, 2015, 6, 6066.	5.8	49
61	Nuclear βâ€catenin localization supports homology of feathers, avian scutate scales, and alligator scales in early development. Evolution & Development, 2015, 17, 185-194.	1.1	31
62	Evolutionary innovations and novelties: Let us get down to business!. Zoologischer Anzeiger, 2015, 256, 75-81.	0.4	38
63	Cell-type Phylogenetics and the Origin of Endometrial Stromal Cells. Cell Reports, 2015, 10, 1398-1409.	2.9	75
64	Homology in the Age of Developmental Genomics. , 2015, , 25-43.		6
65	Homology and the evolutionary process: reply to Haig, Love and Brown on "Homology, Genes and Evolutionary Innovation― Biology and Philosophy, 2015, 30, 901-912.	0.7	2
66	Two Rules for the Detection and Quantification of Epistasis and Other Interaction Effects. Methods in Molecular Biology, 2015, 1253, 145-157.	0.4	7
67	Reinventing the Organism: Evolvability and Homology in Post-Dahlem Evolutionary Biology. Boston Studies in the Philosophy and History of Science, 2015, , 327-342.	0.4	4
68	Evolution of mammalian pregnancy and the origin of the decidual stromal cell. International Journal of Developmental Biology, 2014, 58, 117-126.	0.3	62
69	Malignant cancer and invasive placentation: A case for positive pleiotropy between endometrial and malignancy phenotypes. Evolution, Medicine and Public Health, 2014, 2014, 136-145.	1.1	49
70	Immunohistological Study of the Endometrial Stromal Fibroblasts in the Opossum, Monodelphis domestica: Evidence for Homology with Eutherian Stromal Fibroblasts1. Biology of Reproduction, 2014, 90, 111.	1.2	30
71	THE EVOLUTION OF PHENOTYPIC CORRELATIONS AND "DEVELOPMENTAL MEMORYâ€. Evolution; International Journal of Organic Evolution, 2014, 68, 1124-1138.	1.1	103
72	A model based criterion for gene expression calls using RNA-seq data. Theory in Biosciences, 2013, 132, 159-164.	0.6	160

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73	On the definition and measurement of pleiotropy. Trends in Genetics, 2013, 29, 383-384.	2.9	23
74	Evidence for independent evolution of functional progesterone withdrawal in primates and guinea pigs. Evolution, Medicine and Public Health, 2013, 2013, 273-288.	1.1	18
75	An Independent Genome Duplication Inferred from Hox Paralogs in the American Paddlefish—A Representative Basal Ray-Finned Fish and Important Comparative Reference. Genome Biology and Evolution, 2012, 4, 937-953.	1.1	58
76	Convergent Evolution of Endometrial Prolactin Expression in Primates, Mice, and Elephants Through the Independent Recruitment of Transposable Elements. Molecular Biology and Evolution, 2012, 29, 239-247.	3.5	100
77	Universal pleiotropy is not a valid null hypothesis: reply to Hill and Zhang. Nature Reviews Genetics, 2012, 13, 296-296.	7.7	19
78	Transformation of a transposon into a derived prolactin promoter with function during human pregnancy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11246-11251.	3.3	70
79	An evolutionary test of the isoform switching hypothesis of functional progesterone withdrawal for parturition: humans have a weaker repressive effect of PR-A than mice. Journal of Perinatal Medicine, 2012, 40, 345-351.	0.6	13
80	Evolution of functional specialization and division of labor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E326-35.	3.3	130
81	A model of developmental evolution: selection, pleiotropy and compensation. Trends in Ecology and Evolution, 2012, 27, 316-322.	4.2	140
82	Measurement of mRNA abundance using RNA-seq data: RPKM measure is inconsistent among samples. Theory in Biosciences, 2012, 131, 281-285.	0.6	1,737
83	Testing Inferences in Developmental Evolution: The Forensic Evidence Principle. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318, 489-500.	0.6	5
84	Next Gen Devoâ€Evo. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2012, 318, 519-520.	0.6	5
85	Coming to Grips with Evolvability. Evolution: Education and Outreach, 2012, 5, 231-244.	0.3	17
86	The evolution of menstruation: A new model for genetic assimilation. BioEssays, 2012, 34, 26-35.	1.2	135
87	Evolution of adaptive phenotypic variation patterns by direct selection for evolvability. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1903-1912.	1.2	97
88	Measurement and Meaning in Biology. Quarterly Review of Biology, 2011, 86, 3-34.	0.0	264
89	Transposon-mediated rewiring of gene regulatory networks contributed to the evolution of pregnancy in mammals. Nature Genetics, 2011, 43, 1154-1159.	9.4	400
90	Protein Structural Modularity and Robustness Are Associated with Evolvability. Genome Biology and Evolution, 2011, 3, 456-475.	1.1	34

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91	Finding the frame shift: digit loss, developmental variability, and the origin of the avian hand. Evolution & Development, 2011, 13, 269-279.	1.1	38
92	The pleiotropic structure of the genotype–phenotype map: the evolvability of complex organisms. Nature Reviews Genetics, 2011, 12, 204-213.	7.7	577
93	Transcriptomic analysis of avian digits reveals conserved and derived digit identities in birds. Nature, 2011, 477, 583-586.	13.7	67
94	Revisiting a classic example of transcription factor functional equivalence: are <i>Eyeless</i> and <i>Pax6</i> functionally equivalent or divergent?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 93-98.	0.6	14
95	Why ontogenetic homology criteria can be misleading: lessons from digit identity transformations. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 165-170.	0.6	24
96	Identity of the avian wing digits: Problems resolved and unsolved. Developmental Dynamics, 2011, 240, 1042-1053.	0.8	25
97	Regulatory evolution through divergence of a phosphoswitch in the transcription factor CEBPB. Nature, 2011, 480, 383-386.	13.7	96
98	Evolution of a derived protein–protein interaction between HoxA11 and Foxo1a in mammals caused by changes in intramolecular regulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E414-20.	3.3	42
99	Evolutionary novelties. Current Biology, 2010, 20, R48-R52.	1.8	218
100	DID EGG-LAYING BOAS BREAK DOLLO'S LAW? PHYLOGENETIC EVIDENCE FOR REVERSAL TO OVIPARITY IN SAND BOAS (<i>ERYX</i> : BOIDAE). Evolution; International Journal of Organic Evolution, 2010, 64, 207-216.	1.1	85
101	THE MEASUREMENT THEORY OF FITNESS. Evolution; International Journal of Organic Evolution, 2010, 64, 1358-76.	1.1	56
102	A NEW SYNTHESIS FINALLY ARRIVING!. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	1.1	0
103	DATA AND DATA INTERPRETATION IN THE STUDY OF LIMB EVOLUTION: A REPLY TO GALIS ET AL. ON THE REEVOLUTION OF DIGITS IN THE LIZARD GENUS BACHIA. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	1.1	17
104	Ten years of genetics and genomics: what have we achieved and where are we heading?. Nature Reviews Genetics, 2010, 11, 723-733.	7.7	65
105	Development and the evolvability of human limbs. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3400-3405.	3.3	217
106	HoxA-11 and FOXO1A Cooperate to Regulate Decidual Prolactin Expression: Towards Inferring the Core Transcriptional Regulators of Decidual Genes. PLoS ONE, 2009, 4, e6845.	1.1	82
107	Limusaurus and bird digit identity. Nature Precedings, 2009, , .	0.1	5
108	Measuring Transcription Factor–Binding Site Turnover: A Maximum Likelihood Approach Using Phylogenies. Genome Biology and Evolution, 2009, 1, 85-98.	1.1	17

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109	Measuring Morphological Integration Using Eigenvalue Variance. Evolutionary Biology, 2009, 36, 157-170.	0.5	184
110	Measuring Evolutionary Constraints Through the Dimensionality of the Phenotype: Adjusted Bootstrap Method to Estimate Rank of Phenotypic Covariance Matrices. Evolutionary Biology, 2009, 36, 339-353.	0.5	12
111	HYPERMUTABILITY OF <i>HOXA13A</i> AND FUNCTIONAL DIVERGENCE FROM ITS PARALOG ARE ASSOCIATED WITH THE ORIGIN OF A NOVEL DEVELOPMENTAL FEATURE IN ZEBRAFISH AND RELATED TAXA (CYPRINIFORMES). Evolution; International Journal of Organic Evolution, 2009, 63, 1574-1592.	1.1	28
112	BIO. Evolution & Development, 2009, 11, 139-141.	1.1	0
113	Frameâ€shifts of digit identity in bird evolution and Cyclopamineâ€treated wings. Evolution & Development, 2009, 11, 163-169.	1.1	36
114	Evolution of digit identity in the threeâ€ŧoed Italian skink <i>Chalcides chalcides</i> : a new case of digit identity frame shift. Evolution & Development, 2009, 11, 647-658.	1.1	38
115	A simple model of co-evolutionary dynamics caused by epistatic selection. Journal of Theoretical Biology, 2008, 250, 48-65.	0.8	11
116	A Molecular Footprint of Limb Loss: Sequence Variation of the Autopodial Identity Gene Hoxa-13. Journal of Molecular Evolution, 2008, 67, 581-593.	0.8	18
117	RESURRECTING THE ROLE OF TRANSCRIPTION FACTOR CHANGE IN DEVELOPMENTAL EVOLUTION. Evolution; International Journal of Organic Evolution, 2008, 62, 2131-2154.	1.1	179
118	Pleiotropic scaling of gene effects and the †cost of complexity'. Nature, 2008, 452, 470-472.	13.7	201
119	Wagner et al. reply. Nature, 2008, 456, E4-E4.	13.7	3
120	On the nature of thumbs. Genome Biology, 2008, 9, 213.	13.9	23
121	The gene regulatory logic of transcription factor evolution. Trends in Ecology and Evolution, 2008, 23, 377-385.	4.2	169
122	Adaptive changes in the transcription factor HoxA-11 are essential for the evolution of pregnancy in mammals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14928-14933.	3.3	90
123	The Evolution of HoxD-11 Expression in the Bird Wing: Insights from Alligator mississippiensis. PLoS ONE, 2008, 3, e3325.	1.1	46
124	The developmental genetics of homology. Nature Reviews Genetics, 2007, 8, 473-479.	7.7	339
125	The road to modularity. Nature Reviews Genetics, 2007, 8, 921-931.	7.7	853
126	A stochastic model for the evolution of transcription factor binding site abundance. Journal of Theoretical Biology, 2007, 247, 544-553.	0.8	8

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127	Tinkering with Transcription Factor Proteins: The Role of Transcription Factor Adaptation in Developmental Evolution. Novartis Foundation Symposium, 2007, 284, 116-129.	1.2	9
128	Evolutionary Genomics of Hox Gene Clusters. , 2007, , 68-90.		1
129	What Is the Role of Genome Duplication in the Evolution of Complexity and Diversity?. Molecular Biology and Evolution, 2006, 23, 887-892.	3.5	223
130	EVOLUTION OF GENETIC ARCHITECTURE UNDER DIRECTIONAL SELECTION. Evolution; International Journal of Organic Evolution, 2006, 60, 1523-1536.	1.1	71
131	EVIDENCE FOR THE REVERSIBILITY OF DIGIT LOSS: A PHYLOGENETIC STUDY OF LIMB EVOLUTION IN BACHIA (GYMNOPHTHALMIDAE: SQUAMATA). Evolution; International Journal of Organic Evolution, 2006, 60, 1896-1912.	1.1	119
132	Adaptive evolution of Hox-gene homeodomains after cluster duplications. BMC Evolutionary Biology, 2006, 6, 86.	3.2	32
133	Conceptual continuity as a mode of understanding complex systems: Applications to the dynamics sociopolitical systems. Complexity, 2006, 11, 20-24.	0.9	2
134	The "Fish-Specific―Hox Cluster Duplication Is Coincident with the Origin of Teleosts. Molecular Biology and Evolution, 2006, 23, 121-136.	3.5	170
135	Evidence for the reversibility of digit loss: a phylogenetic study of limb evolution in Bachia (Gymnophthalmidae: Squamata). Evolution; International Journal of Organic Evolution, 2006, 60, 1896-912.	1.1	28
136	Expression ofHoxa-11andHoxa-13in the pectoral fin of a basal ray-finned fish,Polyodon spathula: implications for the origin of tetrapod limbs. Evolution & Development, 2005, 7, 186-195.	1.1	61
137	Molecular evolution of evolutionary novelties: the vagina and uterus of therian mammals. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2005, 304B, 580-592.	0.6	23
138	Molecular Evolution of Duplicated Ray Finned Fish HoxA Clusters: Increased Synonymous Substitution Rate and Asymmetrical Co-divergence of Coding and Non-coding Sequences. Journal of Molecular Evolution, 2005, 60, 665-676.	0.8	36
139	The developmental evolution of avian digit homology: An update. Theory in Biosciences, 2005, 124, 165-183.	0.6	36
140	ECOLOGY: Mothers Driving Cycles. Science, 2005, 309, 2001-2001.	6.0	1
141	Sacrificing Dialogue for Politics?. Science, 2005, 309, 1324b-1324b.	6.0	1
142	Of chicken wings and frog legs: A smorgasbord of evolutionary variation in mechanisms of tetrapod limb development. Developmental Biology, 2005, 288, 21-39.	0.9	45
143	Adaptive evolution of HoxA–11 and HoxA–13 at the origin of the uterus in mammals. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2201-2207.	1.2	31
144	Divergence of Conserved Non-Coding Sequences: Rate Estimates and Relative Rate Tests. Molecular Biology and Evolution, 2004, 21, 2116-2121.	3.5	24

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145	The Population Genetic Theory of Hidden Variation and Genetic Robustness. Genetics, 2004, 168, 2271-2284.	1.2	227
146	The Shark HoxN Cluster Is Homologous to the Human HoxD Cluster. Journal of Molecular Evolution, 2004, 58, 212-217.	0.8	22
147	Introduction to the papers of the 2001 kowalevsky medal winner symposium. The Journal of Experimental Zoology, 2004, 302B, 1-4.	1.4	6
148	Rupert riedl and the re-synthesis of evolutionary and developmental biology: Body plans and evolvability. The Journal of Experimental Zoology, 2004, 302B, 92-102.	1.4	77
149	Surveying phylogenetic footprints in large gene clusters: applications to Hox cluster duplications. Molecular Phylogenetics and Evolution, 2004, 31, 581-604.	1.2	45
150	Evidence for independent Hox gene duplications in the hagfish lineage: a PCR-based gene inventory of Eptatretus stoutii. Molecular Phylogenetics and Evolution, 2004, 32, 686-694.	1.2	82
151	Simon?Ando decomposability and fitness landscapes. Theory in Biosciences, 2004, 123, 139-180.	0.6	11
152	Evolutionary Genetics: The Nature of Hidden Genetic Variation Unveiled. Current Biology, 2003, 13, R958-R960.	1.8	10
153	What is the promise of developmental evolution? III. The crucible of developmental evolution. The Journal of Experimental Zoology, 2003, 300B, 1-4.	1.4	25
154	Quasi-Independence, Homology and the Unity of Type: A Topological Theory of Characters. Journal of Theoretical Biology, 2003, 220, 505-527.	0.8	66
155	What does it take to evolve behaviorally complex organisms?. BioSystems, 2003, 69, 245-262.	0.9	26
156	Bichir HoxA Cluster Sequence Reveals Surprising Trends in Ray-Finned Fish Genomic Evolution. Genome Research, 2003, 14, 11-17.	2.4	89
157	Epistasis in Polygenic Traits and the Evolution of Genetic Architecture under Stabilizing Selection. American Naturalist, 2003, 161, 708-734.	1.0	116
158	Molecular evolution of the HoxA cluster in the three major gnathostome lineages. Proceedings of the United States of America, 2002, 99, 5492-5497.	3.3	94
159	Pentadactyl ground state of the avian wing. The Journal of Experimental Zoology, 2002, 294, 146-151.	1.4	68
160	Evolutionary innovations overcome ancestral constraints: a re-examination of character evolution in male sepsid flies (Diptera: Sepsidae). Evolution & Development, 2002, 4, 1-6.	1.1	55
161	TO EPISTASIS?AND BEYOND!. Evolution; International Journal of Organic Evolution, 2002, 56, 852-855.	1.1	2
162	Modeling Genetic Architecture: A Multilinear Theory of Gene Interaction. Theoretical Population Biology, 2001, 59, 61-86.	0.5	203

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163	The tetrapod limb: A hypothesis on its origin. The Journal of Experimental Zoology, 2001, 291, 226-240.	1.4	81
164	What is the promise of developmental evolution? Part II: A causal explanation of evolutionary innovations may be impossible. The Journal of Experimental Zoology, 2001, 291, 305-309.	1.4	70
165	The Topology of the Possible: Formal Spaces Underlying Patterns of Evolutionary Change. Journal of Theoretical Biology, 2001, 213, 241-274.	0.8	265
166	How Molecular is Molecular Developmental Biology? A Reply to Alex Rosenberg's Reductionism Redux: Computing the Embryo. Biology and Philosophy, 2001, 16, 53-68.	0.7	63
167	Characters, Units and Natural Kinds: An Introduction. , 2001, , 1-10.		43
168	Epistasis and the Mutation Load: A Measurement-Theoretical Approach. Genetics, 2001, 158, 477-485.	1.2	47
169	The Test Distribution of Modularity Statistics: A Correction and a Clarification. Genetics, 2001, 158, 1381-1381.	1.2	1
170	Organism and Character Decomposition: Steps towards an Integrative Theory of Biology. Philosophy of Science, 2000, 67, S289-S300.	0.5	21
171	Canalization in evolutionary genetics: a stabilizing theory?. BioEssays, 2000, 22, 372-380.	1.2	311
172	What is the promise of developmental evolution? part I: Why is developmental biology necessary to explain evolutionary innovations?. The Journal of Experimental Zoology, 2000, 288, 95-98.	1.4	117
173	Population Dependent Fourier Decomposition of Fitness Landscapes over Recombination Spaces: Evolvability of Complex Characters. Bulletin of Mathematical Biology, 2000, 62, 399-428.	0.9	34
174	Modeling the Evolution of Genetic Architecture: A Continuum of Alleles Model with Pairwise A×A Epistasis. Journal of Theoretical Biology, 2000, 203, 163-175.	0.8	26
175	Evolution of Hoxa-11 in Lineages Phylogenetically Positioned along the Fin–Limb Transition. Molecular Phylogenetics and Evolution, 2000, 17, 305-316.	1.2	25
176	Character identification in evolutionary biology: The role of the organism. Theory in Biosciences, 2000, 119, 20-40.	0.6	35
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