Shigeru Kuratani

List of Publications by Year
in descending order

225 papers	11,506 citations	22153 59 h-index	39675 94 g-index
247 all docs	247 docs citations	247 times ranked	7187 citing authors

#	Article	IF	Citations
1	The developmental hourglass model and recapitulation: An attempt to integrate the two models. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 76-86.	1.3	10
2	Measuring potential effects of the developmental burden associated with the vertebrate notochord. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 129-136.	1.3	4
3	How can recapitulation be reconciled with modern concepts of evolution?. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 28-35.	1.3	5
4	Thyroid and endostyle development in cyclostomes provides new insights into the evolutionary history of vertebrates. BMC Biology, 2022, 20, 76.	3.8	3
5	Morphology of Palaeospondylus shows affinity to tetrapod ancestors. Nature, 2022, 606, 109-112.	27.8	4
6	Evo-devo studies of cyclostomes and the origin and evolution of jawed vertebrates. Current Topics in Developmental Biology, 2021, 141, 207-239.	2.2	11
7	History and Current Theories of the Vertebrate Head Segmentation. , 2021, , 877-890.		0
8	Development and Evolution of the Neck Muscles. , 2021, , 849-862.		1
9	Evolution and Development of the Vertebrate Cranium. , 2021, , 891-905.		0
10	Developmental fates of shark head cavities reveal mesodermal contributions to tendon progenitor cells in extraocular muscles. Zoological Letters, 2021, 7, 3.	1.3	8
11	Embryonic evidence uncovers convergent origins of laryngeal echolocation in bats. Current Biology, 2021, 31, 1353-1365.e3.	3.9	27
12	Genetic Mechanism for the Cyclostome Cerebellar Neurons Reveals Early Evolution of the Vertebrate Cerebellum. Frontiers in Cell and Developmental Biology, 2021, 9, 700860.	3.7	5
13	Developmental Evolution of Hypaxial Muscles: Insights From Cyclostomes and Chondrichthyans. Frontiers in Cell and Developmental Biology, 2021, 9, 760366.	3.7	0
14	Forebrain Architecture and Development in Cyclostomes, with Reference to the Early Morphology and Evolution of the Vertebrate Head. Brain, Behavior and Evolution, 2021, , 1-13.	1.7	3
15	Evolution of Skeletal Tissues. , 2021, , 863-875.		0
16	Mammalian face as an evolutionary novelty. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
17	Novel developmental bases for the evolution of hypobranchial muscles in vertebrates. BMC Biology, 2020, 18, 120.	3.8	8
18	Development and Evolution of the Neck Muscles. , 2020, , 1-14.		0

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19	Recapitulation-like developmental transitions of chromatin accessibility in vertebrates. Zoological Letters, 2019, 5, 33.	1.3	24
20	Inner ear development in cyclostomes and evolution of the vertebrate semicircular canals. Nature, 2019, 565, 347-350.	27.8	44
21	Evolution and Development of the Vertebrate Cranium. , 2019, , 1-15.		1
22	History and Current Theories of the Vertebrate Head Segmentation. , 2019, , 1-14.		0
23	The neural crest and evolution of the head/trunk interface in vertebrates. Developmental Biology, 2018, 444, S60-S66.	2.0	18
24	Hagfish and lamprey Hox genes reveal conservation of temporal colinearity in vertebrates. Nature Ecology and Evolution, 2018, 2, 859-866.	7.8	55
25	Expansions, diversification, and interindividual copy number variations of AID/APOBEC family cytidine deaminase genes in lampreys. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3211-E3220.	7.1	23
26	The phylum Vertebrata: a case for zoological recognition. Zoological Letters, 2018, 4, 32.	1.3	32
27	Shark genomes provide insights into elasmobranch evolution and the origin of vertebrates. Nature Ecology and Evolution, 2018, 2, 1761-1771.	7.8	197
28	Evolution of the muscular system in tetrapod limbs. Zoological Letters, 2018, 4, 27.	1.3	11
29	Stepwise participation of HGF/MET signaling in the development of migratory muscle precursors during vertebrate evolution. Zoological Letters, 2018, 4, 18.	1.3	9
30	Evolution of the vertebrate neurocranium: problems of the premandibular domain and theÂorigin of theÂtrabecula. Zoological Letters, 2018, 4, 1.	1.3	35
31	Development of hypobranchial muscles with special reference to the evolution of the vertebrate neck. Zoological Letters, 2018, 4, 5.	1.3	14
32	The neural crest and origin of the neurocranium in vertebrates. Genesis, 2018, 56, e23213.	1.6	13
33	Paleontological Studies Integrated into a New Evolutionary Zoology. Zoological Science, 2017, 34, 1-4.	0.7	6
34	Outflow tract septation and the aortic arch system in reptiles: lessons for understanding the mammalian heart. EvoDevo, 2017, 8, 9.	3.2	24
35	Reconstructing the ancestral vertebrate brain. Development Growth and Differentiation, 2017, 59, 163-174.	1.5	51
36	Expression patterns of Sema3A in developing amniote limbs: With reference to the diversification of peripheral nerve innervation. Development Growth and Differentiation, 2017, 59, 270-285.	1.5	4

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37	Migratory appendicular muscles precursor cells in the common ancestor to all vertebrates. Nature Ecology and Evolution, 2017, 1, 1731-1736.	7.8	21
38	Constrained vertebrate evolution by pleiotropic genes. Nature Ecology and Evolution, 2017, 1, 1722-1730.	7.8	72
39	Nitric Oxide regulates mouth development in amphioxus. Scientific Reports, 2017, 7, 8432.	3.3	16
40	Anatomical integration of the sacralâ€“hindlimb unit coordinated by GDF11 underlies variation in hindlimb positioning in tetrapods. Nature Ecology and Evolution, 2017, 1, 1392-1399.	7.8	40
41	Differing contributions of the first and second pharyngeal arches to tympanic membrane formation in the mouse and chick. Development (Cambridge), 2017, 144, 3315-3324.	2.5	8
42	Metamerism in cephalochordates and the problem of the vertebrate head. International Journal of Developmental Biology, 2017, 61, 621-632.	0.6	11
43	Getting the measure of a monster. Nature, 2016, 532, 447-448.	27.8	3
44	Expansion of the neck reconstituted the shoulderâ€“diaphragm in amniote evolution. Development Growth and Differentiation, 2016, 58, 143-153.	1.5	25
45	Palaeospondylus as a primitive hagfish. Zoological Letters, 2016, 2, 20.	1.3	15
46	What are Head Cavities? â€" A History of Studies on Vertebrate Head Segmentation. Zoological Science, 2016, 33, 213.	0.7	22
47	Evolution of the Vertebrate Cranium: Viewed from Hagfish Developmental Studies. Zoological Science, 2016, 33, 229.	0.7	26
48	Comparative morphology and development of extra-ocular muscles in the lamprey and gnathostomes reveal the ancestral state and developmental patterns of the vertebrate head. Zoological Letters, 2016, 2, 10.	1.3	22
49	On the vagal cardiac nerves, with special reference to the early evolution of the headâ€“trunk interface. Journal of Morphology, 2016, 277, 1146-1158.	1.2	17
50	Developmental mechanisms of the tympanic membrane in mammals and nonâ€•mammalian amniotes. Congenital Anomalies (discontinued), 2016, 56, 12-17.	0.6	6
51	Evidence from cyclostomes for complex regionalization of the ancestral vertebrate brain. Nature, 2016, 531, 97-100.	27.8	102
52	Launch of Zoological Letters. Zoological Science, 2016, 33, 1-5.	0.7	5
53	Amphioxus mouth after dorso-ventral inversion. Zoological Letters, 2016, 2, 2.	1.3	35
54	Development of the thalamo-dorsal ventricular ridge tract in the Chinese soft-shelled turtle,Pelodiscus sinensis. Development Growth and Differentiation, 2015, 57, 40-57.	1.5	4

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55	Ancestral mesodermal reorganization and evolution of the vertebrate head. Zoological Letters, 2015, 1, 29.	1.3	17
56	On the origin of vertebrate somites. Zoological Letters, 2015, 1, 33.	1.3	21
57	Evolution of retinoic acid receptors in chordates: insights from three lamprey species, Lampetra fluviatilis, Petromyzon marinus, and Lethenteron japonicum. EvoDevo, 2015, 6, 18.	3.2	6
58	Evolution of the vertebrate skeleton: morphology, embryology, and development. Zoological Letters, 2015, 1, 2.	1.3	86
59	Evolutionary and developmental understanding of the spinal accessory nerve. Zoological Letters, 2015, 1, 4.	1.3	27
60	On the peculiar morphology and development of the hypoglossal, glossopharyngeal and vagus nerves and hypobranchial muscles in the hagfish. Zoological Letters, 2015, 1, 6.	1.3	29
61	Developmental genetic bases behind the independent origin of the tympanic membrane in mammals and diapsids. Nature Communications, 2015, 6, 6853.	12.8	64
62	On the homology of the shoulder girdle in turtles. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 244-254.	1.3	2
63	The evolutionary origin of the turtle shell and its dependence on the axial arrest of the embryonic rib cage. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 194-207.	1.3	18
64	Analysis of Embryonic Gene Expression Patterns in the Hagfish. Neuromethods, 2015, , 249-262.	0.3	11
65	Gene Expression Analysis of Lamprey Embryos. Neuromethods, 2015, , 263-278.	0.3	25
66	Evolution and Development of Ventricular Septation in the Amniote Heart. PLoS ONE, 2014, 9, e106569.	2.5	40
67	Comparative analysis of pleurodiran and cryptodiran turtle embryos depicts the molecular ground pattern of the turtle carapacial ridge. International Journal of Developmental Biology, 2014, 58, 743-750.	0.6	10
68	The Turtle Evolution: A Conundrum in Vertebrate Evo-Devo. , 2014, , 303-314.		3
69	The developmental hourglass model: a predictor of the basic body plan?. Development (Cambridge), 2014, 141, 4649-4655.	2.5	116
70	The origin of developmental mechanisms underlying vertebral elements: implications from hagfish evo-devo. Zoology, 2014, 117, 77-80.	1.2	11
71	On the maxillary nerve. Journal of Morphology, 2014, 275, 17-38.	1.2	22
72	Special Issue Featuring Zoological Society Award Reviews. Zoological Science, 2014, 31, 623.	0.7	0

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73	The Evolutionary Origin of the Vertebrate Body Plan: The Problem of Head Segmentation. Annual Review of Genomics and Human Genetics, 2014, 15, 443-459.	6.2	21
74	The endoskeletal origin of the turtle carapace. Nature Communications, 2013, 4, 2107.	12.8	67
75	Evolution of Hoxgene clusters in deuterostomes. BMC Developmental Biology, 2013, 13, 26.	2.1	90
76	Origin of the unique morphology of the shoulder girdle in turtles. Journal of Anatomy, 2013, 223, 547-556.	1.5	13
77	Development of the Chondrocranium in Hagfishes, with Special Reference to the Early Evolution of Vertebrates. Zoological Science, 2013, 30, 944.	0.7	37
78	Craniofacial development of hagfishes and the evolution of vertebrates. Nature, 2013, 493, 175-180.	27.8	126
79	Evolutionary divergence of trigeminal nerve somatotopy in amniotes. Journal of Comparative Neurology, 2013, 521, 1378-1394.	1.6	9
80	The Dlx genes as clues to vertebrate genomics and craniofacial evolution. Seminars in Cell and Developmental Biology, 2013, 24, 110-118.	5.0	34
81	The evolutionary origins of chordate hematopoiesis and vertebrate endothelia. Developmental Biology, 2013, 375, 182-192.	2.0	52
82	Non-parsimonious evolution of hagfish Dlx genes. BMC Evolutionary Biology, 2013, 13, 15.	3.2	29
83	Origin of the Turtle Body Plan: The Folding Theory to Illustrate Turtle-Specific Developmental Repatterning. Vertebrate Paleobiology and Paleoanthropology, 2013, , 37-50.	0.5	6
84	Evolution of the regionalization and patterning of the vertebrate telencephalon: what can we learn from cyclostomes?. Current Opinion in Genetics and Development, 2013, 23, 475-483.	3.3	30
85	A new scenario of the evolutionary derivation of the mammalian diaphragm from shoulder muscles. Journal of Anatomy, 2013, 222, 504-517.	1.5	44
86	The draft genomes of soft-shell turtle and green sea turtle yield insights into the development and evolution of the turtle-specific body plan. Nature Genetics, 2013, 45, 701-706.	21.4	409
87	Late Development of Hagfish Vertebral Elements. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 129-139.	1.3	26
88	Developmental and evolutionary significance of the mandibular arch and prechordal/premandibular cranium in vertebrates: revising the heterotopy scenario of gnathostome jaw evolution. Journal of Anatomy, 2013, 222, 41-55.	1.5	48
89	A Muscular Perspective on Vertebrate Evolution. Science, 2013, 341, 139-140.	12.6	6
90	Body wall development in lamprey and a new perspective on the origin of vertebrate paired fins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11899-11904.	7.1	39

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91	What we can learn from hagfish embryology. FASEB Journal, 2013, 27, 315.2.	0.5	0
92	Development of head and trunk mesoderm in the dogfish, <i><scp>S</scp>cyliorhinus torazame</i>: I. Embryology and morphology of the head cavities and related structures. Evolution & Development, 2012, 14, 234-256.	2.0	39
93	Development of the head and trunk mesoderm in the dogfish, <i>Scyliorhinus torazame</i>: II. Comparison of gene expression between the head mesoderm and somites with reference to the origin of the vertebrate head. Evolution & Development, 2012, 14, 257-276.	2.0	37
94	Broken colinearity of the amphioxus Hox cluster. EvoDevo, 2012, 3, 28.	3.2	46
95	Inference of the Protokaryotypes of Amniotes and Tetrapods and the Evolutionary Processes of Microchromosomes from Comparative Gene Mapping. PLoS ONE, 2012, 7, e53027.	2.5	94
96	A developmental basis for innovative evolution of the turtle shell. , 2012, , 279-300.		4
97	Evolution of the vertebrate jaw from developmental perspectives. Evolution & Development, 2012, 14, 76-92.	2.0	69
98	Body plan of turtles: an anatomical, developmental and evolutionary perspective. Anatomical Science International, 2012, 87, 1-13.	1.0	34
99	An eye on the head: the development and evolution of craniofacial muscles. Development (Cambridge), 2011, 138, 2401-2415.	2.5	177
100	Identification of vertebra-like elements and their possible differentiation from sclerotomes in the hagfish. Nature Communications, 2011, 2, 373.	12.8	90
101	Comparative transcriptome analysis reveals vertebrate phylotypic period during organogenesis. Nature Communications, 2011, 2, 248.	12.8	256
102	Evolution of developmental plan for peripheral nervous system in amniote trunk region. Neuroscience Research, 2011, 71, e67.	1.9	0
103	Expression and interaction of muscle-related genes in the lamprey imply the evolutionary scenario for vertebrate skeletal muscle, in association with the acquisition of the neck and fins. Developmental Biology, 2011, 350, 217-227.	2.0	59
104	Dual origins of the prechordal cranium in the chicken embryo. Developmental Biology, 2011, 356, 529-540.	2.0	32
105	Evolutionary developmental perspective for the origin of turtles: the folding theory for the shell based on the developmental nature of the carapacial ridge. Evolution & Development, 2011, 13, 1-14.	2.0	57
106	Hepatocyte growth factor is crucial for development of the carapace in turtles. Evolution & Development, 2011, 13, 260-268.	2.0	18
107	Development and evolution of the lateral plate mesoderm: Comparative analysis of amphioxus and lamprey with implications for the acquisition of paired fins. Developmental Biology, 2011, 359, 124-136.	2.0	57
108	Development of lamprey mucocartilage and its dorsalâ€“ventral patterning by endothelin signaling, with insight into vertebrate jaw evolution. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 339-346.	1.3	31

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109	Overview of the transcriptome profiles identified in hagfish, shark, and bichir: current issues arising from some nonmodel vertebrate taxa. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2011, 316B, 526-546.	1.3	31
110	Involvement of Hedgehog and FGF signalling in the lamprey telencephalon: evolution of regionalization and dorsoventral patterning of the vertebrate forebrain. Development (Cambridge), 2011, 138, 1217-1226.	2.5	61
111	Genome-Wide Detection of Gene Extinction in Early Mammalian Evolution. Genome Biology and Evolution, 2011, 3, 1449-1462.	2.5	28
112	Expression pattern of two collagen type 2 Î±1 genes in the Japanese inshore hagfish (Eptatretus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 157-165.	1.3	15
113	History of studies on mammalian middle ear evolution: A comparative morphological and developmental biology perspective. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 417-433.	1.3	72
114	Mechanisms of heart development in the Japanese lamprey, Lethenteron japonicum. Evolution & Development, 2010, 12, 34-44.	2.0	38
115	Evolution of oropharyngeal patterning mechanisms involving Dlx and endothelins in vertebrates. Developmental Biology, 2010, 341, 315-323.	2.0	76
116	Skeletal development in the Chinese softâ€shelled turtle Pelodiscus sinensis (Testudines:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.2	75
117	Evolution of Otx paralogue usages in early patterning of the vertebrate head. Developmental Biology, 2009, 325, 282-295.	2.0	31
118	Modularity, comparative embryology and evo-devo: Developmental dissection of evolving body plans. Developmental Biology, 2009, 332, 61-69.	2.0	56
119	Insights into neural crest migration and differentiation from experimental embryology. Development (Cambridge), 2009, 136, 1585-1589.	2.5	2
120	Evolution of the Turtle Body Plan by the Folding and Creation of New Muscle Connections. Science, 2009, 325, 193-196.	12.6	123
121	Primitive versus derived traits in the developmental program of the vertebrate head: views from cyclostome developmental studies. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 294-314.	1.3	29
122	Expression of Sox and fibrillar collagen genes in lamprey larval chondrogenesis with implications for the evolution of vertebrate cartilage. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 596-607.	1.3	40
123	Identification of four Engrailed genes in the Japanese lamprey, Lethenteron japonicum. Developmental Dynamics, 2008, 237, 1581-1589.	1.8	33
124	Hagfish (cyclostomata, vertebrata): Searching for the ancestral developmental plan of vertebrates. BioEssays, 2008, 30, 167-172.	2.5	24
125	Conserved relative timing of cranial ossification patterns in early mammalian evolution. Evolution & Development, 2008, 10, 519-530.	2.0	87
126	Competent stripes for diverse positions of limbs/fins in gnathostome embryos. Evolution & Development, 2008, 10, 737-745.	2.0	39

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127	Evolutionary developmental studies of cyclostomes and the origin of the vertebrate neck. Development Growth and Differentiation, 2008, 50, S189-94.	1.5	40
128	Developmental Biology of Hagfishes, with a Report on Newly Obtained Embryos of the Japanese Inshore Hagfish, Eptatretus burgeri. Zoological Science, 2008, 25, 999-1011.	0.7	29
129	Characterizing the Time Dependency of Human Mitochondrial DNA Mutation Rate Estimates. Molecular Biology and Evolution, 2008, 26, 713-713.	8.9	0
130	Brain segmentation and trigeminal projections in the lamprey; with reference to vertebrate brain evolution. Brain Research Bulletin, 2008, 75, 218-224.	3.0	23
131	Cyclostome Studies in the Context of Vertebrate Evolution. Zoological Science, 2008, 25, 953-954.	0.7	5
132	Is the vertebrate head segmented?--evolutionary and developmental considerations. Integrative and Comparative Biology, 2008, 48, 647-657.	2.0	29
133	Head segmentation in vertebrates. Integrative and Comparative Biology, 2008, 48, 604-610.	2.0	13
134	Noncanonical role of Hox14 revealed by its expression patterns in lamprey and shark. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6679-6683.	7.1	45
135	Timing of Genome Duplications Relative to the Origin of the Vertebrates: Did Cyclostomes Diverge before or after?. Molecular Biology and Evolution, 2008, 26, 47-59.	8.9	281
136	1P-130 Sophisticated Modular Design of Moth Wing Pattern Cryptically Mimicking a 'Dead Leaf'(The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	0
137	On the carapacial ridge in turtle embryos: its developmental origin,function and the chelonian body plan. Development (Cambridge), 2007, 134, 2219-2226.	2.5	63
138	Cyclostome embryology and early evolutionary history of vertebrates. Integrative and Comparative Biology, 2007, 47, 329-337.	2.0	27
139	1P263 Phenotypic Variation and Integration in Butterfly & Moth Wing Pattern(Bioinformatics-structural, functional, and comparative genomics,Oral Presentations). Seibutsu Butsuri, 2007, 47, S89.	0.1	0
140	Hox gene expression patterns in Lethenteron japonicum embryosâ€"Insights into the evolution of the vertebrate Hox code. Developmental Biology, 2007, 308, 606-620.	2.0	80
141	Autopodial Development in the Sea Turtles Chelonia mydas and Caretta caretta. Zoological Science, 2007, 24, 257-263.	0.7	24
142	Thoracolumbar vertebral number: The first skeletal synapomorphy for afrotherian mammals. Systematics and Biodiversity, 2007, 5, 1-7.	1.2	91
143	Evolutionary perspectives from development of mesodermal components in the lamprey. Developmental Dynamics, 2007, 236, 2410-2420.	1.8	47
144	Hagfish embryology with reference to the evolution of the neural crest. Nature, 2007, 446, 672-675.	27.8	182

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145	Identification and developmental expression of two Tbx1/10-related genes in the agnathan Lethenteron japonicum. Development Genes and Evolution, 2007, 217, 691-697.	0.9	19
146	Neural crest and evolution of the vertebrate body plan. FASEB Journal, 2007, 21, .	0.5	0
147	Evolutionary embryology resurrected in Japan with a new molecular basis: Nori Satoh and the history of ascidian studies originating in Kyoto during the 20th century. International Journal of Developmental Biology, 2006, 50, 451-4.	0.6	2
148	Unique features of Myf-5 in turtles: nucleotide deletion, alternative splicing, and unusual expression pattern. Evolution & Development, 2006, 8, 415-423.	2.0	14
149	Time Scale for Cyclostome Evolution Inferred with a Phylogenetic Diagnosis of Hagfish and Lamprey cDNA Sequences. Zoological Science, 2006, 23, 1053-1064.	0.7	196
150	Evolutionary embryology resurrected in Japan with a new molecular basisâ€"Nori Satoh and the history of ascidian studies born in Kyoto in the 20th century. Russian Journal of Developmental Biology, 2006, 37, 397-400.	0.5	0
151	Evolution of Hox genes in molluscs: a comparison among seven morphologically diverse classes. Journal of Molluscan Studies, 2006, 72, 259-266.	1.2	25
152	cDNA-based gene mapping and GC3 profiling in the soft-shelled turtle suggest a chromosomal size-dependent GC bias shared by sauropsids. Chromosome Research, 2006, 14, 187-202.	2.2	44
153	The History of Scientific Endeavors Towards Understanding Hagfish Embryology. Zoological Science, 2006, 23, 403-418.	0.7	58
154	Cephalic neural crest cells and the evolution of craniofacial structures in vertebrates: morphological and embryological significance of the premandibularâ€"mandibular boundary. Zoology, 2005, 108, 13-25.	1.2	40
155	Developmental studies of the lamprey and hierarchical evolutionary steps towards the acquisition of the jaw. Journal of Anatomy, 2005, 207, 489-499.	1.5	39
156	Comprehensive survey of carapacial ridge-specific genes in turtle implies co-option of some regulatory genes in carapace evolution. Evolution & Development, 2005, 7, 3-17.	2.0	108
157	Turtle-chicken chimera: An experimental approach to understanding evolutionary innovation in the turtle. Developmental Dynamics, 2005, 232, 149-161.	1.8	42
158	Evolution and developmental patterning of the vertebrate skeletal muscles: Perspectives from the lamprey. Developmental Dynamics, 2005, 234, 824-834.	1.8	78
159	A new evolutionary scenario for the vertebrate jaw. BioEssays, 2005, 27, 331-338.	2.5	58
160	Hox code in embryos of Chinese soft-shelled turtlePelodiscus sinensis correlates with the evolutionary innovation in the turtle. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2005, 304B, 107-118.	1.3	45
161	Evolution of the vertebral formulae in mammals: A perspective on developmental constraints. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2005, 304B, 91-106.	1.3	207
162	Highly conserved linkage homology between birds and turtles: Bird and turtle chromosomes are precise counterparts of each other. Chromosome Research, 2005, 13, 601-615.	2.2	125

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163	cimp1, A Novel Astacin Family Metalloproteinase Gene from East African Cichlids, Is Differentially Expressed Between Species During Growth. Molecular Biology and Evolution, 2005, 22, 1649-1660.	8.9	34
164	Developmental Studies on the Vertebrate Head Evolution. Zoological Science, 2005, 22, 1361-1366.	0.7	3
165	Evolution of the brain developmental plan: Insights from agnathans. Developmental Biology, 2005, 280, 249-259.	2.0	140
166	Craniofacial Development and the Evolution of the Vertebrates: the Old Problems on a New Background. Zoological Science, 2005, 22, 1-19.	0.7	95
167	Segmental development of reticulospinal and branchiomotor neurons in lamprey: insights into the evolution of the vertebrate hindbrain. Development (Cambridge), 2004, 131, 983-995.	2.5	104
168	A Short Consensus Repeat-Containing Complement Regulatory Protein of Lamprey That Participates in Cleavage of Lamprey Complement 3. Journal of Immunology, 2004, 173, 1118-1128.	0.8	29
169	Evolution of the vertebrate jaw: comparative embryology and molecular developmental biology reveal the factors behind evolutionary novelty. Journal of Anatomy, 2004, 205, 335-347.	1.5	81
170	Lamprey Hox genes and the evolution of jaws. Nature, 2004, 429, 622-622.	27.8	96
171	Lamprey contractile protein genes mark different populations of skeletal muscles during development. The Journal of Experimental Zoology, 2004, 302B, 121-133.	1.4	25
172	Developmental fate of the mandibular mesoderm in the lamprey, Lethenteron japonicum: Comparative morphology and development of the gnathostome jaw with special reference to the nature of the trabecula cranii. The Journal of Experimental Zoology, 2004, 302B, 458-468.	1.4	61
173	Evolutionary developmental biology and vertebrate head segmentation: A perspective from developmental constraint. Theory in Biosciences, 2003, 122, 230-251.	1.4	46
174	Expression of foreign genes in lamprey embryos: An approach to study evolutionary changes in gene regulation. The Journal of Experimental Zoology, 2003, 296B, 87-97.	1.4	22
175	Development of the adenohypophysis in the lamprey: Evolution of epigenetic patterning programs in organogenesis. The Journal of Experimental Zoology, 2003, 300B, 32-47.	1.4	75
176	Evolution of the vertebrate jaw: homology and developmental constraints. Paleontological Research, 2003, 7, 89-102.	1.0	14
177	The Heterotopic Shift in Developmental Patterns and Evolution of the Jaw in Vertebrates. , 2003, , 119-125.		0
178	Heterotopic Shift of Epithelial-Mesenchymal Interactions in Vertebrate Jaw Evolution. Science, 2002, 296, 1316-1319.	12.6	166
179	Compartments in the lamprey embryonic brain as revealed by regulatory gene expression and the distribution of reticulospinal neurons. Brain Research Bulletin, 2002, 57, 271-275.	3.0	23
180	Lamprey as an evoâ€devo model: Lessons from comparative embryology and molecular phylogenetics. Genesis, 2002, 34, 175-183.	1.6	101

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