Lennart Olsson

List of Publications by Year
in descending order

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79	1,757	304743	330143
papers	citations	22 h-index	37 g-index

85	85	85	975
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The biogenetic law and the Gastraea theory: From Ernst Haeckel's discoveries to contemporary views. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2021, , .	1.3	12
2	Sequence of chondrocranial development in the oriental fire bellied toad <scp>Bombina orientalis</scp>. Journal of Morphology, 2020, 281, 688-701.	1.2	4
3	Preface: Acta Zoologica centennial. Acta Zoologica, 2020, 101, 1-4.	0.8	0
4	Ernst Haeckelâ€™s embryology in biology textbooks in the German Democratic Republic, 1951â€“1988. Theory in Biosciences, 2019, 138, 31-48.	1.4	2
5	FoxN3 is necessary for the development of the interatrial septum, the ventricular trabeculae and the muscles at the head/trunk interface in the African clawed frog, Xenopus laevis (Lissamphibia: Anura:) Tj ETQq1 1 0.784314 rgBT /Over		
6	The Haeckel reception in Sweden. Theory in Biosciences, 2019, 138, 119-125.	1.4	1
7	Sequence and timing of early cranial skeletal development in Xenopus laevis. Journal of Morphology, 2018, 279, 62-74.	1.2	14
8	Threeâ€dimensional reconstruction of the cranial and anterior spinal nerves in early tadpoles of Xenopus laevis (Pipidae, Anura). Journal of Comparative Neurology, 2018, 526, 836-857.	1.6	9
9	Cephalic muscle development in the Australian lungfish, Neoceratodus forsteri. Journal of Morphology, 2018, 279, 494-516.	1.2	21
10	Bapx1 upregulation is associated with ectopic mandibular cartilage development in amphibians. Zoological Letters, 2018, 4, 16.	1.3	10
11	The â€œBiogenetic Lawâ€• in zoology: from Ernst Haeckelâ€™s formulation to current approaches. Theory in Biosciences, 2017, 136, 19-29.	1.4	34
12	Development of the skull and pectoral girdle in Siberian sturgeon,Acipenser baerii, and Russian sturgeon,Acipenser gueldenstaedtii(Acipenseriformes: Acipenseridae). Journal of Morphology, 2017, 278, 418-442.	1.2	27
13	The development of the cucullaris muscle and the branchial musculature in the Longnose Gar, (Lepisosteus osseus, Lepisosteiformes, Actinopterygii) and its implications for the evolution and development of the head/trunk interface in vertebrates. Evolution & Development, 2017, 19, 263-276.	2.0	13
14	150 Jahre â€œBiogenetisches Grundgesetzâ€• Biologie in Unserer Zeit, 2016, 46, 190-194.	0.2	12
15	The history of the oldest selfâ€sustaining laboratory animal: 150 years of axolotl research. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 393-404.	1.3	42
16	Alexei Sewertzoff and Adolf Naef: revising Haeckelâ€™s biogenetic law. History and Philosophy of the Life Sciences, 2015, 36, 357-370.	1.1	12
17	The Developmental Pattern of the Musculature Associated with the Mandibular and Hyoid Arches in the Longnose Gar,Lepisosteus osseus(Actinopterygii, Ginglymodi, Lepisosteiformes). Copeia, 2015, 103, 920-932.	1.3	18
18	Analyzing developmental sequences with Parsimovâ€”A case study of cranial muscle development in anuran larvae. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 586-606.	1.3	10

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19	Resegmentation in the mexican axolotl, Ambystoma mexicanum. Journal of Morphology, 2014, 275, 141-152.	1.2	23
20	Morphology of the cranial skeleton and musculature in the obligate carnivorous tadpole of Lepidobatrachus laevis (Anura: Ceratophryidae). Acta Zoologica, 2013, 94, 101-112.	0.8	15
21	The prominent absence of Alfred Russel Wallace at the Darwin anniversaries in Germany in 1909, 1959 and 2009. Theory in Biosciences, 2013, 132, 251-257.	1.4	4
22	Cranial muscles in amphibians: development, novelties and the role of cranial neural crest cells. Journal of Anatomy, 2013, 222, 134-146.	1.5	20
23	Zur Visualisierung von Evo-Devo vor 100 Jahren. Biologie in Unserer Zeit, 2012, 42, 87-88.	0.2	0
24	A somitic contribution to the pectoral girdle in the axolotl revealed by long-term fate mapping. Evolution & Development, 2011, 13, 47-57.	2.0	17
25	A role for FoxN3 in the development of cranial cartilages and muscles in Xenopus laevis (Amphibia:) Tj ETQq1 1 0.784314 rgBT /Overlo 226-242.	1.5	18
26	EvolutionÃre Entwicklungsbiologie (Evo-Devo). , 2011, , 151-179.		2
27	Evolutionary developmental biology: its concepts and history with a focus on Russian and German contributions. Die Naturwissenschaften, 2010, 97, 951-969.	1.6	40
28	Prosencephalic neural folds give rise to neural crest cells in the Australian lungfish, Neoceratodus forsteri. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 83-94.	1.3	4
29	Preface. Between Ernst Haeckel and the homeobox: the role of developmental biology in explaining evolution. Theory in Biosciences, 2009, 128, 1-5.	1.4	12
30	Early embryogenesis in discoglossoid frogs: a study of heterochrony at different taxonomic levels. Journal of Zoological Systematics and Evolutionary Research, 2009, 47, 248-257.	1.4	13
31	Cell fate and timing in the evolution of neural crest and mesoderm development in the head region of amphibians and lungfishes. Acta Zoologica, 2009, 90, 264-272.	0.8	10
32	Heterochronic shifts during early cranial neural crest cell migration in two ranid frogs. Acta Zoologica, 2008, 89, 69-78.	0.8	15
33	The fate of cranial neural crest cells in the Australian lungfish,Neoceratodus forsteri. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 345-354.	1.3	15
34	Symposium on the evolution and development of the vertebrate head. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 287-293.	1.3	13
35	Limb chondrogenesis in Graptemys nigrinoda (Emydidae), with comments on the primary axis and the digital arch in turtles. Amphibia - Reptilia, 2008, 29, 85-92.	0.5	13
36	Molecular phylogenetic and scanning electron microscopical analyses places the Choanephoraceae and the Gilbertellaceae in a monophyletic group within the Mucorales (Zygomycetes, Fungi). Acta Biologica Hungarica, 2008, 59, 365-383.	0.7	6

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37	Nuchal cystic hygroma in five fetuses from 1819 to 1826 in the Meckel-anatomical collections at the University of Halle, Germany. American Journal of Medical Genetics, Part A, 2007, 143A, 119-128.	1.2	3
38	Patterns of spatial and temporal cranial muscle development in the African clawed frog, Xenopus laevis (Anura: Pipidae). Journal of Morphology, 2007, 268, 791-804.	1.2	28
39	Muscular derivatives of the cranialmost somites revealed by longâ€term fate mapping in the Mexican axolotl (Ambystoma mexicanum). Evolution & Development, 2007, 9, 566-578.	2.0	48
40	A clash of traditions: the history of comparative and experimental embryology in Sweden as exemplified by the research of GÃ¶sta JÃgersten and Sven HÃ¶rstadius. Theory in Biosciences, 2007, 126, 117-129.	1.4	4
41	Introduction to the autobiography of Julius Schaxel. Theory in Biosciences, 2007, 126, 165-175.	1.4	5
42	Editorial: a renaissance for evolutionary morphology. Acta Zoologica, 2006, 88, 1-1.	0.8	33
43	Freedom of the mind got Nature banned by the Nazis. Nature, 2006, 443, 271-271.	27.8	7
44	Creationists attack secular education in Russia. Nature, 2006, 444, 265-265.	27.8	4
45	Preface: From evolutionary morphology to the modern synthesis and â€œevo-devoâ€: Historical and contemporary perspectives. Theory in Biosciences, 2006, 124, 259-263.	1.4	13
46	From the â€œModern Synthesisâ€•to cybernetics: Ivan Ivanovich Schmalhausen (1884â€“1963) and his research program for a synthesis of evolutionary and developmental biology. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2006, 306B, 89-106.	1.3	62
47	The Trabecula cranii: development and homology of an enigmatic vertebrate head structure. Animal Biology, 2006, 56, 503-518.	1.0	8
48	Vertebrate head development: Segmentation, novelties, and homology. Theory in Biosciences, 2005, 124, 145-163.	1.4	6
49	Evolutionary Developmental Biology: New challenges to the homology concept? â€“ The 46th Phylogenetisches Symposium held in Jena. Theory in Biosciences, 2005, , .	1.4	0
50	The history of the homology concept and the â€œPhylogenetisches Symposiumâ€: Theory in Biosciences, 2005, 124, 243-253.	1.4	5
51	Acrofacial dysostosis (AFD) with preaxial limb hypoplasia (Nager AFD) and club foot diagnosed in a fetus from 1812 in the anatomical collections at the University of Halle, Germany. American Journal of Medical Genetics, Part A, 2005, 137A, 263-268.	1.2	3
52	Vertebrate head development: Segmentation, novelties, and homology. Theory in Biosciences, 2005, 124, 145-163.	1.4	39
53	The history of the homology concept and the â€œPhylogenetisches Symposiumâ€: Theory in Biosciences, 2005, 124, 243-253.	1.4	48
54	Role of cranial neural crest cells in visceral arch muscle positioning and morphogenesis in the Mexican axolotl,Ambystoma mexicanum. Developmental Dynamics, 2004, 231, 237-247.	1.8	63

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55	Patterns of spatial and temporal visceral arch muscle development in the Mexican axolotl (Ambystoma) Tj ETQq1 1 0.784314 rgBT /O	1.2	32
56	The integration of Darwinism and evolutionary morphology: Alexej Nikolajevich Sewertzoff (1866-1936) and the developmental basis of evolutionary change. The Journal of Experimental Zoology, 2004, 302B, 343-354.	1.4	31
57	Cell Migration, Cell Fate and Pattern Formation During Head Development in Lungfishes and Amphibians. , 2004, , 335-346.		0
58	The Road from Haeckel: The Jena Tradition in Evolutionary Morphology and the Origins of â€œEvo-Devoâ€• Biology and Philosophy, 2003, 18, 285-307.	1.4	55
59	Editorial: Carl Gegenbaur (1826â€“1903) and his influence on the development of evolutionary morphology. Theory in Biosciences, 2003, 122, 105-108.	1.4	13
60	The history of comparative anatomy in Jena â€” an overview. Theory in Biosciences, 2003, 122, 109-126.	1.4	12
61	Cell migration, pattern formation and cell fate during head development in lungfishes and amphibians. Theory in Biosciences, 2003, 122, 252-265.	1.4	7
62	Haeckel's literary hopes dashed by materialism?. Nature, 2003, 424, 875-875.	27.8	1
63	PORTRAITS OF SCIENCE: From the Modern Synthesis to Lysenkoism, and Back?. Science, 2002, 297, 55-56.	12.6	55
64	Documenting Lysenkoism. Science, 2002, 297, 1646-1647.	12.6	0
65	Cranial neural crest-cell migration in the direct-developing frog, Eleutherodactylus coqui: molecular heterogeneity within and among migratory streams. Zoology, 2002, 105, 3-13.	1.2	24
66	Cranial neural crest emergence and migration in the Mexican axolotl (Ambystoma mexicanum). Zoology, 2002, 105, 195-202.	1.2	27
67	Cranial Neural Crest Cells Contribute to Connective Tissue in Cranial Muscles in the Anuran Amphibian, Bombina orientalis. Developmental Biology, 2001, 237, 354-367.	2.0	80
68	Limb development in a ?nonmodel? vertebrate, the direct-developing frogEleutherodactylus coqui. The Journal of Experimental Zoology, 2001, 291, 375-388.	1.4	44
69	Cranial neural crest cell migration in the Australian lungfish,Neoceratodus forsteri. Evolution & Development, 2000, 2, 179-185.	2.0	30
70	Introduction to the Symposium: Developmental and Evolutionary Perspectives on Major Transformations in Body Organization. American Zoologist, 1999, 39, 612-616.	0.7	11
71	Mechanistic Basis of Life-History Evolution in Anuran Amphibians: Direct Development. American Zoologist, 1997, 37, 160-171.	0.7	53
72	Cranial neural-crest migration and chondrogenic fate in the oriental fire-bellied toadBombina orientalis: Defining the ancestral pattern of head development in anuran amphibians. , 1996, 229, 105-120.		83

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73	Distribution of Keratan Sulphate and Chondroitin Sulphate in Wild Type and White Mutant Axolotl Embryos During Neural Crest Cell Migration. Pigment Cell & Melanoma Research, 1996, 9, 5-17.	3.6	21
74	Effects of Extracellular Matrix Molecules on Subepidermal Neural Crest Cell Migration in Wild Type and White Mutant (dd) Axolotl Embryos. Pigment Cell & Melanoma Research, 1996, 9, 18-27.	3.6	10
75	Pigment pattern formation in larval ambystomatid salamanders:Ambystoma talpoideum, Ambystoma barbouri, andAmbystoma annulatum. Journal of Morphology, 1994, 220, 123-138.	1.2	8
76	Das Wandern ist der Zellen Lust. , 1994, , 161-182.		3
77	Pigment pattern formation in the larval salamanderAmbystoma maculatum. Journal of Morphology, 1993, 215, 151-163.	1.2	14
78	Pigment pattern formation in larval ambystomatid salamanders:Ambystoma tigrinum tigrinum. Journal of Morphology, 1992, 211, 73-85.	1.2	18
79	Î²1 Integrin-mediated collagen gel contraction is stimulated by PDGF. Experimental Cell Research, 1990, 186, 264-272.	2.6	260