

Claus Nielsen

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

5,199
citations

136950

32
h-index

88630

70
g-index

83
all docs

83
docs citations

83
times ranked

3869
citing authors

#	ARTICLE	IF	CITATIONS
1	The Magnitude of Global Marine Species Diversity. <i>Current Biology</i> , 2012, 22, 2189-2202.	3.9	797
2	Sequences lead to tree of worms. <i>Nature</i> , 1998, 392, 25-25.	27.8	708
3	Structure and Function of Metazoan Ciliary Bands and Their Phylogenetic Significance. <i>Acta Zoologica</i> , 1987, 68, 205-262.	0.8	247
4	Six major steps in animal evolution: are we derived sponge larvae?. <i>Evolution & Development</i> , 2008, 10, 241-257.	2.0	231
5	Xenoturbella is a deuterostome that eats molluscs. <i>Nature</i> , 2003, 424, 925-928.	27.8	189
6	Entoproct life-cycles and the entoproct/ectoproct relationship. <i>Ophelia</i> , 1971, 9, 209-341.	0.3	168
7	Cladistic analyses of the animal kingdom. <i>Biological Journal of the Linnean Society</i> , 1996, 57, 385-410.	1.6	166
8	The phylogenetic position of ctenophores and the origin(s) of nervous systems. <i>EvoDevo</i> , 2015, 6, 1.	3.2	148
9	Origin of the chordate central nervous system - and the origin of chordates. <i>Development Genes and Evolution</i> , 1999, 209, 198-205.	0.9	147
10	The Development of the Brachiopod <i>Crania (Neocrania) anomala</i> (O. F. MÅlller) and its Phylogenetic Significance. <i>Acta Zoologica</i> , 1991, 72, 7-28.	0.8	134
11	Trochophora larvae: Cell-lineages, ciliary bands, and body regions. 1. Annelida and Mollusca. <i>The Journal of Experimental Zoology</i> , 2004, 302B, 35-68.	1.4	124
12	Animal phylogeny in the light of the trochaea theory. <i>Biological Journal of the Linnean Society</i> , 1985, 25, 243-299.	1.6	123
13	Testing the new animal phylogeny: A phylum level molecular analysis of the animal kingdom. <i>Molecular Phylogenetics and Evolution</i> , 2008, 49, 23-31.	2.7	121
14	Origin and evolution of animal life cycles. <i>Biological Reviews</i> , 1998, 73, 125-155.	10.4	118
15	The Early Cambrian <i>Halkieria</i> is a mollusc. <i>Zoologica Scripta</i> , 2005, 34, 81-89.	1.7	118
16	Trochophora larvae: cell-lineages, ciliary bands and body regions. 2. Other groups and general discussion. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2005, 304B, 401-447.	1.3	91
17	Tentacle structure and filter-feeding in <i>Crisia eburnea</i> and other cyclostomatous bryozoans, with a review of upstream-collecting mechanisms. <i>Marine Ecology - Progress Series</i> , 1998, 168, 163-186.	1.9	86
18	Larval and adult brains. <i>Evolution & Development</i> , 2005, 7, 483-489.	2.0	78

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19	Patterns of gene expression: homology or homocracy?. <i>Development Genes and Evolution</i> , 2003, 213, 149-154.	0.9	75
20	On metamorphosis and ancestrula formation in cyclostomatous bryozoans. <i>Ophelia</i> , 1970, 7, 217-256.	0.3	67
21	Downstream collecting in ciliary suspension feeders: the catch-up principle. <i>Marine Ecology - Progress Series</i> , 2000, 207, 33-51.	1.9	64
22	The Phylogenetic Position of Entoprocta, Ectoprocta, Phoronida, and Brachiopoda. <i>Integrative and Comparative Biology</i> , 2002, 42, 685-691.	2.0	56
23	Life cycle evolution: was the eumetazoan ancestor a holopelagic, planktotrophic gastraea?. <i>BMC Evolutionary Biology</i> , 2013, 13, 171.	3.2	55
24	Early development of the aplacophoran mollusc <i>Chaetoderma</i> . <i>Acta Zoologica</i> , 2007, 88, 231-247.	0.8	54
25	Studies on Danish entoprocta. <i>Ophelia</i> , 1964, 1, 1-76.	0.3	53
26	Cystid Structure and Protrusion of the Polypide in <i>Crisia</i> (Bryozoa, Cyclostomata). <i>Acta Zoologica</i> , 1979, 60, 65-88.	0.8	53
27	Structure and function of an entoproct tentacle with a discussion of ciliary feeding types. <i>Ophelia</i> , 1976, 15, 115-140.	0.3	52
28	Development of the enteropneust <i>Ptychodera flava</i> : Ciliary bands and nervous system. <i>Journal of Morphology</i> , 2007, 268, 551-570.	1.2	49
29	Early animal evolution: a morphologist's view. <i>Royal Society Open Science</i> , 2019, 6, 190638.	2.4	46
30	Cladistic analyses of the animal kingdom. <i>Biological Journal of the Linnean Society</i> , 1996, 57, 385-410.	1.6	41
31	Evolution of the bilaterian mouth and anus. <i>Nature Ecology and Evolution</i> , 2018, 2, 1358-1376.	7.8	37
32	The origin of metamorphosis. <i>Evolution & Development</i> , 2000, 2, 127-129.	2.0	36
33	Larval nervous systems: true larval and precocious adult. <i>Journal of Experimental Biology</i> , 2015, 218, 629-636.	1.7	34
34	Ciliary filter-feeding structures in adult and larval gymnolaemate bryozoans. <i>Invertebrate Biology</i> , 2002, 121, 255-261.	0.9	33
35	How Did Indirect Development With Planktotrophic Larvae Evolve?. <i>Biological Bulletin</i> , 2009, 216, 203-215.	1.8	33
36	Larval and Adult Characters in Animal Phylogeny. <i>American Zoologist</i> , 1994, 34, 492-501.	0.7	32

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37	Homology of echinoderm radial nerve cords and the chordate neural tube???. <i>Evolution & Development</i> , 2006, 8, 1-2.	2.0	32
38	Origin and evolution of animal life cycles. <i>Biological Reviews</i> , 1998, 73, 125-155.	10.4	32
39	Structure and occurrence of cyphonautes larvae (bryozoa, ectoprocta). <i>Journal of Morphology</i> , 2010, 271, 1094-1109.	1.2	31
40	Point of View The rearticulation of annelids. <i>Zoologica Scripta</i> , 1996, 25, 275-282.	1.7	27
41	On the life-cycle of some loxosomatidae (Entoprocta). <i>Ophelia</i> , 1966, 3, 221-247.	0.3	26
42	How to make a protostome. <i>Invertebrate Systematics</i> , 2012, 26, 25.	1.3	26
43	Some Loxosomatidae (Entoprocta) from the Atlantic coast of the United States. <i>Ophelia</i> , 1966, 3, 249-275.	0.3	25
44	Some aspects of spiralian development. <i>Acta Zoologica</i> , 2010, 91, 20-28.	0.8	21
45	The triradial sucking pharynx in animal phylogeny. <i>Invertebrate Biology</i> , 2013, 132, 1-13.	0.9	21
46	On the biology of the prosobranch <i>Lacuna Parvina</i> in the Åresund. <i>Ophelia</i> , 1981, 20, 1-16.	0.3	20
47	Three new species of entoprocta from West Norway. <i>Sarsia</i> , 1961, 1, 39-45.	0.5	19
48	Origin of the trochophora larva. <i>Royal Society Open Science</i> , 2018, 5, 180042.	2.4	18
49	The Tentacle Cilia of <i>Aglantha digitale</i> (Hydrozoa: Trachylina) and their Control. <i>Acta Zoologica</i> , 1989, 70, 133-141.	0.8	17
50	Defining phyla: morphological and molecular clues to metazoan evolution. <i>Evolution & Development</i> , 2003, 5, 386-393.	2.0	17
51	Galeommatid bivalves from Phuket, Thailand. <i>Zoological Journal of the Linnean Society</i> , 2005, 144, 261-308.	2.3	17
52	After all: <i>Xenoturbella</i> is an acoelomorph!. <i>Evolution & Development</i> , 2010, 12, 241-243.	2.0	17
53	Three new species of <i>Loxosoma</i> (Entoprocta) from Phuket, Thailand, with a review of the genus. <i>Zoologica Scripta</i> , 1996, 25, 61-75.	1.7	16
54	On three species and two new genera (<i>Montacutella</i> and <i>Brachiomya</i>) of galeommatoid bivalves from the irregular Sea Urchin <i>Brissus latecarinatus</i> with emphasis on their reproduction. <i>Zoologischer Anzeiger</i> , 2004, 243, 3-19.	0.9	12

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55	Evolution of deuterostomy - and origin of the chordates. <i>Biological Reviews</i> , 2017, 92, 316-325.	10.4	12
56	The neuromuscular system of the cyclostome bryozoan <i>Crisia eburnea</i> (Linnaeus, 1758). <i>Acta Zoologica</i> , 2020, 101, 133-146.	0.8	12
57	The larvae of <i>Loxosoma pectinaria</i> and <i>Loxosomella elegans</i> (Entoprocta). <i>Ophelia</i> , 1967, 4, 203-206.	0.3	10
58	Morphological Approaches to Phylogeny. <i>American Zoologist</i> , 1998, 38, 942-952.	0.7	10
59	Putative sensory structures in marine bryozoans. <i>Invertebrate Biology</i> , 2002, 121, 262-270.	0.9	10
60	Notes on boring bivalves from Phuket, Thailand. <i>Ophelia</i> , 1976, 15, 141-148.	0.3	9
61	Metamorphosis of the larva of <i>Loxosomella murmanica</i> (Nilus) (Entoprocta). <i>Ophelia</i> , 1967, 4, 85-89.	0.3	8
62	Feeding mechanism of the polychaete <i>Sabellaria alveolata</i> revisited: comment on Dubois et al. (2005). <i>Marine Ecology - Progress Series</i> , 2006, 328, 295-305.	1.9	8
63	Ultrastructure of spermiogenesis in <i>Cristatella mucedo</i> Cuvier (Bryozoa: Phylactolaemata): Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 0.8	0.8	7
64	Phylogenetic Considerations: The Protostomian Relationships. , 1977, , 519-534.		7
65	A review of the solitary entoprocts reported from sponges from Napoli (Italy), with designation of a neotype of <i>Loxosoma pes</i> Schmidt, 1878. <i>Journal of Natural History</i> , 2008, 42, 1573-1579.	0.5	6
66	Ontogeny of the spiralian brain. , 2008, , 399-416.		6
67	Entoprocta from the Bergen area. <i>Sarsia</i> , 1964, 17, 1-6.	0.5	5
68	The authorship of higher chordate taxa. <i>Zoologica Scripta</i> , 2012, 41, 435-436.	1.7	5
69	WHAT CELL LINEAGES TELL US ABOUT THE EVOLUTION OF SPIRALIA REMAINS TO BE SEEN. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 2554-2557.	2.3	4
70	Trochophora larvae and adult body regions in annelids: some conclusions. <i>Hydrobiologia</i> , 2005, 535-536, 23-24.	2.0	4
71	Neuromuscular structure of the larva to early ancestrula stages of the cyclostome bryozoan <i>Crisia eburnea</i> . <i>Acta Zoologica</i> , 2019, 100, 268-281.	0.8	4
72	Morphological novelties detonated the Ediacaran "Cambrian explosion". <i>Evolution & Development</i> , 2010, 12, 345-345.	2.0	3

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73	Copenhagen 2008: 1st International Congress on Invertebrate Morphology. Journal of Morphology, 2008, 269, 1425-1425.	1.2	2
74	Haeckelia (= Euchlora) and Hydroctena and the phylogenetic interrelationships of Cnidaria and Ctenophora. Journal of Zoological Systematics and Evolutionary Research, 1987, 25, 9-12.	1.4	2
75	Was the ancestral panarthropod mouth ventral or terminal?. Arthropod Structure and Development, 2019, 49, 152-154.	1.4	2
76	The nudibranch names mentioned as n.sp. in Bergh (1861) are almost all nomina nuda (Gastropoda: Tj ETQq0 0 0 ggBT /Overlock 10 Tf	0.5	1
77	Trochophora larvae and adult body regions in annelids: some conclusions. , 2005, , 23-24.		0
78	Loxosomella decorata n. sp., a new solitary entoproct from San Juan Island, WA, USA. Zootaxa, 2017, 4238, 594.	0.5	0