

Katrine Worsaae

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,284
citations

279701

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265120

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96
docs citations

96
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-level metazoan relationships: recent progress and remaining questions. <i>Organisms Diversity and Evolution</i> , 2011, 11, 151-172.	0.7	247
2	Spiralian Phylogeny Informs the Evolution of Microscopic Lineages. <i>Current Biology</i> , 2015, 25, 2000-2006.	1.8	242
3	Articulating "Archiannelids" Phylogenomics and Annelid Relationships, with Emphasis on Meiofaunal Taxa. <i>Molecular Biology and Evolution</i> , 2015, 32, 2860-2875.	3.5	128
4	Patterns of Diversity in Soft-Bodied Meiofauna: Dispersal Ability and Body Size Matter. <i>PLoS ONE</i> , 2012, 7, e33801.	1.1	106
5	In situ ingestion of microfibrils by meiofauna from sandy beaches. <i>Environmental Pollution</i> , 2016, 216, 584-590.	3.7	72
6	Acquisition of Dwarf Male "Harems" by Recently Settled Females of <i>Osedax roseus</i> n. sp. (Siboglinidae; Annelida). <i>Biological Bulletin</i> , 2008, 214, 67-82.	0.7	71
7	Is <i>Diurodrilus</i> an annelid?. <i>Journal of Morphology</i> , 2008, 269, 1426-1455.	0.6	66
8	Conservative route to genome compaction in a miniature annelid. <i>Nature Ecology and Evolution</i> , 2021, 5, 231-242.	3.4	51
9	Evolution of interstitial Polychaeta (Annelida). <i>Hydrobiologia</i> , 2005, 535-536, 319-340.	1.0	49
10	An Anatomical Description of a Miniaturized Acorn Worm (Hemichordata, Enteropneusta) with Asexual Reproduction by Paratomy. <i>PLoS ONE</i> , 2012, 7, e48529.	1.1	49
11	Convergent evolution of the ladder-like ventral nerve cord in Annelida. <i>Frontiers in Zoology</i> , 2018, 15, 36.	0.9	49
12	The simplicity of males: Dwarf males of four species of <i>Osedax</i> (Siboglinidae; Annelida) investigated by confocal laser scanning microscopy. <i>Journal of Morphology</i> , 2010, 271, 127-142.	0.6	45
13	Phylogeny and systematics of Aphroditiformia. <i>Cladistics</i> , 2018, 34, 225-259.	1.5	42
14	Anchialine fauna of the Corona lava tube (Lanzarote, Canary Islands): diversity, endemism and distribution. <i>Marine Biodiversity</i> , 2009, 39, 169-182.	0.3	41
15	Phylogenetic position of Nerillidae and Aberranta (Polychaeta, Annelida), analysed by direct optimization of combined molecular and morphological data. <i>Zoologica Scripta</i> , 2005, 34, 313-328.	0.7	36
16	Molecular and morphological phylogeny of Saccocirridae (Annelida) reveals two cosmopolitan clades with specific habitat preferences. <i>Molecular Phylogenetics and Evolution</i> , 2014, 75, 202-218.	1.2	32
17	Detailed reconstruction of the nervous and muscular system of Lobatocerebridae with an evaluation of its annelid affinity. <i>BMC Evolutionary Biology</i> , 2015, 15, 277.	3.2	32
18	The central nervous system of Oweniidae (Annelida) and its implications for the structure of the ancestral annelid brain. <i>Frontiers in Zoology</i> , 2019, 16, 6.	0.9	32

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19	Structure and occurrence of cyphonautes larvae (bryozoa, ectoprocta). Journal of Morphology, 2010, 271, 1094-1109.	0.6	31
20	Phylogeny and systematics of Protodrilidae (Annelida) inferred with total evidence analyses. Cladistics, 2015, 31, 250-276.	1.5	31
21	Comparison of neuromuscular development in two dinophilid species (Annelida) suggests progenetic origin of Dinophilus gyrociiliatus. Frontiers in Zoology, 2016, 13, 49.	0.9	30
22	CLSM analysis of the phalloidin-stained muscle system in Nerilla antennata, Nerillidium sp. and Trochonerilla mobilis (Polychaeta; Nerillidae). Journal of Morphology, 2006, 267, 885-896.	0.6	29
23	A Dwarf Male Reversal in Bone-Eating Worms. Current Biology, 2015, 25, 236-241.	1.8	29
24	Genetic spatial structure of an anchialine cave annelid indicates connectivity within - but not between - islands of the Great Bahama Bank. Molecular Phylogenetics and Evolution, 2017, 109, 259-270.	1.2	29
25	Anophthalmia and elongation of body appendages in cave scale worms (Annelida: Aphroditiformia). Zoologica Scripta, 2018, 47, 106-121.	0.7	27
26	Microbiomes of microscopic marine invertebrates do not reveal signatures of phyllosymbiosis. Nature Microbiology, 2022, 7, 810-819.	5.9	26
27	High diversity in neuropeptide immunoreactivity patterns among three closely related species of Dinophilidae (Annelida). Journal of Comparative Neurology, 2017, 525, 3596-3635.	0.9	25
28	Evolution of cave <i>Axiobuita</i> and <i>Speleobregma</i> (<i>Scalibregmatidae</i> , <i>Annelida</i>). Zoologica Scripta, 2013, 42, 623-636.	0.7	23
29	Nerillidae (Annelida) from the Corona lava tube, Lanzarote, with description of Meganerilla cesari n. sp.. Marine Biodiversity, 2009, 39, 195-207.	0.3	22
30	A new annelid species from whalebones in Greenland and aquaculture sites in Newfoundland: Ophryotrocha cyclops, sp. nov. (Eunicida: Dorvilleidae). Zootaxa, 2014, 3887, 555-68.	0.2	22
31	Phylogeny of Nerillidae (Polychaeta, Annelida) as inferred from combined 18S rDNA and morphological data. Cladistics, 2005, 21, 143-162.	1.5	21
32	Neural reconstruction of bone-eating Osedax spp. (Annelida) and evolution of the siboglinid nervous system. BMC Evolutionary Biology, 2016, 16, 83.	3.2	21
33	Evolution of cave suspension feeding in Protodrilidae (Annelida). Zoologica Scripta, 2017, 46, 214-226.	0.7	21
34	The Systematic Significance of Palp Morphology in the Polydora Complex (Polychaeta: Spionidae). Zoologischer Anzeiger, 2001, 240, 47-59.	0.4	19
35	Musculature of Seison nebaliae Grube, 1861 and Paraseison annulatus (Claus, 1876) revealed with CLSM: a comparative study of the gnathiferan key taxon Seisonacea (Rotifera). Zoomorphology, 2012, 131, 185-195.	0.4	19
36	Patterns of diversity and endemism of soft-bodied meiofauna in an oceanic island, Lanzarote, Canary Islands. Marine Biodiversity, 2019, 49, 2033-2055.	0.3	19

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37	Description of three new species of <i>Protodrilus</i> (Annelida, Protodrilidae) from Central America. <i>Marine Biology Research</i> , 2013, 9, 676-691.	0.3	18
38	Nervous system and ciliary structures of Micrognathozoa (Gnathifera): evolutionary insight from an early branch in Spiralia. <i>Royal Society Open Science</i> , 2016, 3, 160289.	1.1	18
39	Morphology and evolution of the nervous system in Gnathostomulida (Gnathifera, Spiralia). <i>Organisms Diversity and Evolution</i> , 2017, 17, 447-475.	0.7	18
40	The Potent Respiratory System of <i>Osedax mucofloris</i> (Siboglinidae, Annelida) - A Prerequisite for the Origin of Bone-Eating <i>Osedax</i> ?. <i>PLoS ONE</i> , 2012, 7, e35975.	1.1	17
41	Broad North Atlantic distribution of a meiobenthic annelid “ against all odds. <i>Scientific Reports</i> , 2019, 9, 15497.	1.6	17
42	Interstitial Annelida. <i>Diversity</i> , 2021, 13, 77.	0.7	17
43	<i>Protodrilus</i> (Protodrilidae, Annelida) from the southern and southeastern Brazilian coasts. <i>Helgoland Marine Research</i> , 2013, 67, 733-748.	1.3	16
44	Molecular regionalization in the compact brain of the meiofaunal annelid <i>Dinophilus gyrocolius</i> (Dinophilidae). <i>EvoDevo</i> , 2016, 7, 20.	1.3	16
45	Nephridial and gonoduct distribution patterns in Nerillidae (Annelida: Polychaeta) examined by tubulin staining and cLSM. <i>Journal of Morphology</i> , 2004, 261, 259-269.	0.6	15
46	The role of progenesis in the diversification of the interstitial annelid lineage Psammodrilidae. <i>Invertebrate Systematics</i> , 2018, 32, 774.	0.5	15
47	Diversity and evolution of the stygobitic <i>Speleonerilla</i> nom. nov. (Nerillidae, Annelida) with description of three new species from anchialine caves in the Caribbean and Lanzarote. <i>Marine Biodiversity</i> , 2019, 49, 2167-2192.	0.3	15
48	Phylogenomic analyses of mud dragons (Kinorhyncha). <i>Molecular Phylogenetics and Evolution</i> , 2022, 168, 107375.	1.2	15
49	Detailed reconstruction of the musculature in <i>Limnognathia maerski</i> (Micrognathozoa) and comparison with other Gnathifera. <i>Frontiers in Zoology</i> , 2014, 11, 71.	0.9	14
50	Gain of palps within a lineage of ancestrally burrowing annelids (<i>S</i> calibregmatidae). <i>Acta Zoologica</i> , 2014, 95, 421-429.	0.6	14
51	Evolution of interstitial Polychaeta (Annelida). , 2005, , 319-340.		14
52	Response of the meiofaunal annelid <i>Saccocirrus pussicus</i> (Saccocirridae) to sandy beach morphodynamics. <i>Hydrobiologia</i> , 2014, 734, 1-16.	1.0	13
53	Neuromuscular study of early branching <i>Diuronotus aspetos</i> (Paucitubulatina) yields insights into the evolution of organs systems in Gastrotricha. <i>Zoological Letters</i> , 2016, 2, 21.	0.7	13
54	Geographical sampling bias on the assessment of endemism areas for marine meiobenthic fauna. <i>Cladistics</i> , 2021, 37, 571-585.	1.5	13

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55	The neuromuscular system of the cyclostome bryozoan <i>Crisia eburnea</i> (Linnaeus, 1758). <i>Acta Zoologica</i> , 2020, 101, 133-146.	0.6	12
56	Saccocirridae (Annelida) from the southern and southeastern Brazilian coasts. <i>Marine Biodiversity</i> , 2014, 44, 313-325.	0.3	9
57	Morphology of a new interstitial <i>Psammodrilus</i> (Psammodrilidae, Annelida) from Sardinia, Italy. <i>Zoologischer Anzeiger</i> , 2015, 259, 13-21.	0.4	9
58	Description of six new species of <i>Mesonerilla</i> (Nerillidae, Annelida) and an emended description of <i>M. intermedia</i> Wilke, 1953, from marine and cave environments. <i>Marine Biodiversity</i> , 2019, 49, 2141-2165.	0.3	9
59	Morphological convergence and adaptation in cave and pelagic scale worms (Polynoidae, Annelida). <i>Scientific Reports</i> , 2021, 11, 10718.	1.6	9
60	Description of two new interstitial species of Psammodrilidae (Annelida) from Bermuda. <i>Marine Biology Research</i> , 2006, 2, 431-445.	0.3	8
61	Regeneration of the Rhopalium and the Rhopalial Nervous System in the Box Jellyfish <i>Tripedalia cystophora</i> . <i>Biological Bulletin</i> , 2018, 234, 22-36.	0.7	8
62	Nematode diversity of freshwater and anchialine caves of Western Cuba. <i>Proceedings of the Biological Society of Washington</i> , 2018, 131, 144-155.	0.3	8
63	Anchialine biodiversity in the Turks and Caicos Islands: New discoveries and current faunal composition. <i>International Journal of Speleology</i> , 2020, 49, 71-86.	0.4	8
64	<i>Mesonerilla neridae</i> , sp. nov. (Nerillidae): First meiofaunal annelid from deep-sea hydrothermal vents. <i>Zoosymposia</i> , 2009, 2, 297-303.	0.3	7
65	Phylogeny and biogeography of the scaleless scale worm <i>Pisione</i> (Sigalionidae, Annelida). <i>Ecology and Evolution</i> , 2017, 7, 2894-2915.	0.8	6
66	Saccocirridae (Annelida) from the Canary Islands with a description of <i>Saccocirrus slateri</i> sp. nov.. <i>Marine Biodiversity</i> , 2019, 49, 2125-2139.	0.3	6
67	6. Amphinomida/Sipuncula. , 2019, , 177-216.		6
68	Muscular adaptations in swimming scale worms (Polynoidae, Annelida). <i>Royal Society Open Science</i> , 2021, 8, 210541.	1.1	6
69	Jaw morphology and ontogeny in five species of <i>Ophryotrocha</i> . <i>Journal of Morphology</i> , 2010, 271, 324-339.	0.6	5
70	Description of the first anchialine gastropod from a Yucatán cenote, <i>Teinostoma brankovitsin</i> , sp. (Caenogastropoda: Tornidae), including an emended generic diagnosis. <i>Journal of Molluscan Studies</i> , 2015, , eyn049.	0.4	4
71	New species of <i>Pisionidens</i> (Sigalionidae, Annelida) from Akumal, México. <i>Zootaxa</i> , 2016, 4136, 165.	0.2	4
72	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.	0.6	4

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73	Insights into mud dragon morphology (Kinorhyncha, Allomalorhagida): myoanatomy and neuroanatomy of <i>Dracoderes abei</i> and <i>Pycnophyes ilyocryptus</i> . <i>Organisms Diversity and Evolution</i> , 2020, 20, 467-493.	0.7	4
74	Myoanatomy of three aberrant kinorhynch species: similar but different?. <i>Zoomorphology</i> , 2021, 140, 193-215.	0.4	4
75	Myogenesis of <i>Siboglinum fiordicum</i> sheds light on body regionalisation in beard worms (Siboglinidae, Annelida). <i>Frontiers in Zoology</i> , 2021, 18, 44.	0.9	4
76	New insights on the musculature of filospemoid Gnathostomulida. <i>Zoomorphology</i> , 2017, 136, 413-424.	0.4	3
77	A new cave-dwelling genus and species of Nerillidae (Annelida) from the Ryukyu Islands, Japan. <i>Marine Biodiversity</i> , 2021, 51, 1.	0.3	3
78	Two new meiofaunal species of <i>Trilobodrilus</i> (Dinophilidae, Annelida) from California, USA. <i>European Journal of Taxonomy</i> , 2018, , .	0.6	3
79	Revisiting kinorhynch segmentation: variation of segmental patterns in the nervous system of three aberrant species. <i>Frontiers in Zoology</i> , 2021, 18, 54.	0.9	3
80	Functional impact and trophic morphology of small, sand-sifting fishes on coral reefs. <i>Functional Ecology</i> , 0, , .	1.7	3
81	Palp morphology in two species of <i>Prionospio</i> (Polychaeta: Spionidae). <i>Hydrobiologia</i> , 2003, 496, 259-267.	1.0	2
82	Nerves innervating copulatory organs show common FMRFamide, FVRamide, MIP and serotonin immunoreactivity patterns across Dinophilidae (Annelida) indicating their conserved role in copulatory behaviour. <i>BMC Zoology</i> , 2019, 4, .	0.3	2
83	Comparative studies of jaw morphology and ontogeny in two species of asexually reproducing Dorvilleidae (Annelida). <i>Zoologischer Anzeiger</i> , 2011, 250, 134-142.	0.4	1
84	Monsters in the dark: systematics and biogeography of the stygobitic genus <i>Godzillius</i> (Crustacea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	1
85	7. Pleistoannelida. , 2019, , 217-466.		0
86	7.11.2 Saccocirridae Czerniavsky, 1881. , 2020, , 280-298.		0
87	Transitions in functional morphology from "large branchiopods" to Cladocera: Video and confocal microscopic studies of <i>Cyclestheria hislopi</i> (Cyclestherida) and <i>Sida crystallina</i> (Cladocera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	1
88	Have the eyes of bioluminescent scale worms adapted to see their own light? A comparative study of eyes and vision in <i>Harmothoe imbricata</i> and <i>Lepidonotus squamatus</i> . <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	0