GÃ¼nter Purschke

List of Publications by Year
in descending order

96 papers	3,667 citations	126907 33 h-index	149698 56 g-index
98 all docs	98 docs citations	98 times ranked	1783 citing authors

#	Article	IF	Citations
1	Phylogenomic analyses unravel annelid evolution. Nature, 2011, 471, 95-98.	27.8	357
2	Invertebrate neurophylogeny: suggested terms and definitions for a neuroanatomical glossary. Frontiers in Zoology, 2010, 7, 29.	2.0	281
3	Illuminating the Base of the Annelid Tree Using Transcriptomics. Molecular Biology and Evolution, 2014, 31, 1391-1401.	8.9	268
4	Phylogeny of Eunicida (Annelida) and Exploring Data Congruence Using a Partition Addition Bootstrap Alteration (PABA) Approach. Systematic Biology, 2006, 55, 1-20.	5.6	137
5	The Evolution of Annelids Reveals Two Adaptive Routes to the Interstitial Realm. Current Biology, 2015, 25, 1993-1999.	3.9	133
6	Ultrastructure of Nuchal Organs in Polychaetes (Annelida) â€" New Results and Review. Acta Zoologica, 1997, 78, 123-143.	0.8	97
7	The phylogenetic position of the Aeolosomatidae and Parergodrilidae, two enigmatic oligochaete-like taxa of the 'Polychaeta', based on molecular data from 18S rDNA sequences. Journal of Zoological Systematics and Evolutionary Research, 2002, 40, 155-163.	1.4	95
8	Photoreceptor cells and eyes in Annelida. Arthropod Structure and Development, 2006, 35, 211-230.	1.4	88
9	Sense organs in polychaetes (Annelida). Hydrobiologia, 2005, 535-536, 53-78.	2.0	78
10	The â€˜division of labourâ€™ model of eye evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2809-2817.	4.0	78
11	Detecting possibly saturated positions in 18S and 28S sequences and their influence on phylogenetic reconstruction of Annelida (Lophotrochozoa). Molecular Phylogenetics and Evolution, 2008, 48, 628-645.	2.7	75
12	Systematization of the Annelida: different approaches. Hydrobiologia, 1999, 402, 291-307.	2.0	69
13	Dorsolateral Ciliary Folds in the Polychaete Foregut: Structure, Prevalence and Phylogenetic Significance. Acta Zoologica, 1996, 77, 33-49.	0.8	68
14	Phylogenetic inference regarding Parergodrilidae and Hrabeiella periglandulata ('Polychaeta',) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Evolutionary Research, 2004, 42, 270-280.	1.4	62
15	Immunohistochemical (cLSM) and ultrastructural analysis of the central nervous system and sense organs in Aeolosoma hemprichi (Annelida, Aeolosomatidae). Zoomorphology, 2000, 120, 65-78.	0.8	60
16	Structure and Evolution of Invertebrate Nervous Systems. , 2015, , .		59
17	Progenesis in Eunicida (â€œPolychaeta,â€•Annelida)â€"separate evolutionary events? Evidence from molecular data. Molecular Phylogenetics and Evolution, 2002, 25, 190-199.	2.7	52
18	On the absence of circular muscle elements in the body wall of Dysponetus pygmaeus (Chrysopetalidae, â€˜Polychaetaâ€™, Annelida). Acta Zoologica, 2002, 83, 81-85.	0.8	50

#	Article	IF	Citations
19	Convergent evolution of the ladder-like ventral nerve cord in Annelida. Frontiers in Zoology, 2018, 15, 36.	2.0	49
20	The sister group relationship of Aeolosomatidae and Potamodrilidae (Annelida: â€œPolychaetaâ€) â€” a molecular phylogenetic approach based on 18S rDNA and cytochrome oxidase I. Zoologischer Anzeiger, 2005, 243, 281-293.	0.9	48
21	Reconstruction of the musculature of Magelona cf. mirabilis (Magelonidae) and Prionospio cirrifera (Spionidae) (Polychaeta, Annelida) by phalloidin labeling and cLSM. Zoomorphology, 2005, 124, 1-8.	0.8	48
22	Pharynx and intestine. Hydrobiologia, 2005, 535-536, 199-225.	2.0	48
23	Marine connectivity dynamics: clarifying cosmopolitan distributions of marine interstitial invertebrates and the meiofauna paradox. Marine Biology, 2018, 165, 1.	1.5	45
24	Systematics, evolution and phylogeny of Annelida â€“ a morphological perspective. Memoirs of Museum Victoria, 2014, 71, 247-269.	0.6	44
25	Terrestrial polychaetes â€“ models for the evolution of the Clitellata (Annelida)?. , 1999, 406, 87-99.		42
26	A scaleless scale worm: Molecular evidence for the phylogenetic placement ofPisione remota(Pisionidae, Annelida)Published in collaboration with the University of Bergen and the Institute of Marine Research, Norway, and the Marine Biological Laboratory, University of Copenhagen, Denmark. Marine Biology Research, 2005, 1, 243-253.	0.7	42
27	The parasitic polychaete known as Asetocalamyzas laonicola (Calamyzidae) is in fact the dwarf male of the spionid Scolelepis laonicola (comb. nov.). Invertebrate Biology, 2008, 127, 403-416.	0.9	42
28	A systematic study of the cell wall composition of Kluyveromyces lactis. Yeast, 2010, 27, 647-660.	1.7	42
29	Polychaete phylogeny based on morphological data â€“ a comparison of current attempts. Hydrobiologia, 2005, 535-536, 341-356.	2.0	41
30	Lateral organs in sedentary polychaetes (Annelida) - Ultrastructure and phylogenetic significance of an insufficiently known sense organ. Acta Zoologica, 2006, 88, 23-39.	0.8	38
31	Phylogenetic position of Sipuncula derived from multi-gene and phylogenomic data and its implication for the evolution of segmentation. Journal of Zoological Systematics and Evolutionary Research, 2010, 48, 197.	1.4	38
32	Anatomy and Ultrastructure of Ventral Pharyngeal Organs and their Phylogenetic Importance in Polychaeta (Annelida). IV. The Pharynx and Jaws of the Dorvilleidae. Acta Zoologica, 1987, 68, 83-105.	0.8	37
33	Male genital organs, spermatogenesis and spermatozoa in the enigmatic terrestrial polychaete Parergodrilus heideri (Annelida, Parergodrilidae). Zoomorphology, 2002, 121, 125-138.	0.8	36
34	Mitochondrial genomes to the rescue â€“ Diurodrilidae in the myzostomid trap. Molecular Phylogenetics and Evolution, 2013, 68, 312-326.	2.7	35
35	Fine structure of the pharyngeal apparatus of the pelagosphera larva in Phascolosoma agassizii (Sipuncula) and its phylogenetic significance. Zoomorphology, 2006, 125, 109-117.	0.8	33
36	Is Hrabeiella periglandulata (Annelida, "Polychaeta") the sister group of Clitellata? Evidence from an ultrastructural analysis of the dorsal pharynx in H. periglandulata and Enchytraeus minutus (Annelida, Clitellata). Zoomorphology, 2003, 122, 55-66.	0.8	32

#	Article	IF	Citations
37	The central nervous system of Oweniidae (Annelida) and its implications for the structure of the ancestral annelid brain. Frontiers in Zoology, 2019, 16, 6.	2.0	32
38	Ultrastructure of the Body Wall, Body Cavity, Nephridia and Spermatozoa in Four Species of the Chrysopetalidae (Annelida, â€œPolychaetaâ€). Zoologischer Anzeiger, 2002, 241, 37-55.	0.9	30
39	Musculature in polychaetes: comparison of Myrianida prolifera (Syllidae) and Sphaerodoropsis sp. (Sphaerodoridae). Invertebrate Biology, 2010, 129, 184-198.	0.9	30
40	Pharynx and intestine. , 2005, , 199-225.		30
41	Ultrastructure of the nuchal organ in the interstitial polychaete Stygocapitella subterranea (Parergodrilidae). Zoologica Scripta, 1986, 15, 13-20.	1.7	28
42	Dinophilidae (Annelida) is most likely not a progenetic Eunicida: Evidence from 18S and 28S rDNA. Molecular Phylogenetics and Evolution, 2005, 37, 619-623.	2.7	28
43	Delimitation of cryptic species drastically reduces the geographical ranges of marine interstitial ghost-worms (Stygocapitella; Annelida, Sedentaria). Molecular Phylogenetics and Evolution, 2020, 143, 106663.	2.7	27
44	Comparative electron microscopic investigation of the nuchal organs in Protodriloides, Protodrilus, and Saccocirrus (Annelida, Polychaeta). Canadian Journal of Zoology, 1990, 68, 325-338.	1.0	26
45	Ultrastructural investigations of presumed photoreceptive organs in twoSaccocirrus species (polychaeta, saccocirridae). Journal of Morphology, 1992, 211, 7-21.	1.2	26
46	Ultrastructure of pigmented adult eyes in errant polychaetes (Annelida): implications for annelid evolution. Zoomorphology, 2009, 128, 75-96.	0.8	26
47	Deceleration of morphological evolution in a cryptic species complex and its link to paleontological stasis. Evolution; International Journal of Organic Evolution, 2020, 74, 116-131.	2.3	26
48	Analysis of the Central Nervous System and Sense Organs in Potamodrilus fluviatilis (Annelida:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.9	24
49	Systematization of the Annelida: different approaches. , 1999, , 291-307.		24
50	Sense organs and central nervous system in an enigmatic terrestrial polychaete, Hrabeiella perighndulata (Annelida)â€“implications for annelid evolution. Invertebrate Biology, 2000, 119, 329-341.	0.9	23
51	Two new species in the annelid genus Stygocapitella (Orbiniida, Parergodrilidae) with comments on their biogeography. Zootaxa, 2017, 4286, .	0.5	20
52	Pigmented eyes, photoreceptorâ€like sense organs and central nervous system in the polychaete Scoloplos armiger (Orbiniidae, Annelida) and their phylogenetic importance. Journal of Morphology, 2009, 270, 1296-1310.	1.2	19
53	Annelida: Basal Groups And Pleistoannelida. , 2015, , 254-312.		19
54	Ultrastructure of Presumed Ocelli in Parenterodrilus taenioides (Polychaeta, Protodrilidae) and their Phylogenetic Significance. Acta Zoologica, 1993, 74, 247-256.	0.8	18

#	Article	IF	Citations
55	Ammonia excretion in the marine polychaeteEurythoe complanata(Annelida). Journal of Experimental Biology, 2017, 220, 425-436.	1.7	18
56	Ultrastructure of the Genital Organs in the Interstitial Syllid Petitia amphophthalma (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	17
57	Polychaete phylogeny based on morphological data â€" a comparison of current attempts. , 2005, , 341-356.		17
58	Spermatogenesis and sperm ultrastructure in the interstitial syllidPetitia amphophthalma(Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	16
59	Evolution of clitellate phaosomes from rhabdomeric photoreceptor cells of polychaetes â€“ a study in the leech Helobdella robusta (Annelida, Sedentaria, Clitellata). Frontiers in Zoology, 2013, 10, 52.	2.0	16
60	Three-dimensional reconstruction of the F-actin musculature of Dorvillea kastjani (Dorvilleidae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.6	16
61	Ultrastructure of Enteronephridia and General Description of the Alimentary Canal in Trochonerilla mobilis and Nerillidium troglochaetoides (Polychaeta, Nerillidae). Acta Zoologica, 1992, 73, 163-176.	0.8	15
62	Central nervous system and sense organs, with special reference to photoreceptorâ€like sensory elements, in Polygordius appendiculatus (Annelida), an interstitial polychaete with uncertain phylogenetic affinities. Invertebrate Biology, 2009, 128, 46-64.	0.9	15
63	Morphology of the jaw apparatus in 8 species of Patellogastropoda (Mollusca, Gastropoda) with special reference to Testudinalia tesulata (Lottiidae). Zoomorphology, 2013, 132, 359-377.	0.8	14
64	Structural analysis of the branchiae and dorsal cirri in Eurythoe complanata (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (Am	0.8	14
65	Terrestrial polychaetes â€" models for the evolution of the Clitellata (Annelida)?. , 1999, , 87-99.		13
66	The coelom and the origin of the annelid body plan. Hydrobiologia, 2005, 535-536, 127-137.	2.0	12
67	Immunohistochemical and ultrastructural analysis of the muscular and nervous systems in the interstitial polychaete Polygordius appendiculatus (Annelida). Zoomorphology, 2014, 133, 21-41.	0.8	12
68	Sinohesione genitaliphora gen. et sp. n. (Polychaeta, Hesionidae), an interstitial annelid with unique dimorphous external genital organs. Zoologica Scripta, 1994, 23, 95-105.	1.7	11
69	Abyssal Fauveliopsidae (Annelida) from the South East Atlantic. Journal of Natural History, 2011, 45, 923-937.	0.5	11
70	Ultrastructure of pigmented eyes in Dorvilleidae (Annelida, Errantia, Eunicida) and their importance for understanding the evolution of eyes in polychaetes. Acta Zoologica, 2015, 96, 67-81.	0.8	11
71	The excretory organs in Sphaerodorum flavum (Phyllodocida, Sphaerodoridae): a rare case of co-occurrence of protonephridia, coelom and blood vascular system in Annelida. Zoomorphology, 2001, 120, 191-203.	0.8	10
72	Male genital organs in the eulittoral meiofaunal polychaete Stygocapitella subterranea (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 126, 283-297.	0.8	10

#	Article	IF	Citations
73	Proacrosome and acrosome of the spermatozoon inAcanthobdella peledina(Annelida:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	9
74	Spermatogenesis and Spermatozoa in Stygocapitella subterranea (Annelida, Parergodrilidae), an Enigmatic Supralittoral Polychaete. Zoomorphology, 2005, 124, 137-148.	0.8	9
75	Sense organs in polychaetes (Annelida). , 2005, , 53-78.		9
76	Development and embryonic pattern of body wall musculature in the crassiclitellate Eisenia andrei (Annelida, Clitellata). Journal of Morphology, 2009, 270, 1122-1136.	1.2	9
77	Sipunculid-like ocellar tubes in a polychaete, Fauveliopsis cf. adriatica (Annelida, Fauveliopsidae): implications for eye evolution. Invertebrate Biology, 2011, 130, 115-128.	0.9	8
78	Morphology and ultrastructure of the anterior end of Diplocirrus longisetosus Marenzeller, 1890 (Flabelligeridae, Polychaeta, Annelida). Hydrobiologia, 2003, 496, 215-223.	2.0	7
79	Fine morphology of the jaw apparatus of Puncturella noachina (Fissurellidae, Vetigastropoda). Journal of Morphology, 2014, 275, 775-787.	1.2	7
80	Ultrahistopathology of enchytraeid oligochaetes (annelida) after exposure to pesticidesâ€"A means of identification of sublethal effects?. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1991, 100, 119-122.	0.2	6
81	Ultrastructural differences in presumed photoreceptive organs and molecular data as a means for species discrimination in Polygordius (Annelida, Protodriliformia, Polygordiidae). Organisms Diversity and Evolution, 2016, 16, 559-576.	1.6	6
82	Within-family plasticity of nervous system architecture in Syllidae (Annelida, Errantia). Frontiers in Zoology, 2020, 17, 20.	2.0	6
83	Ultrastructure and functional morphology of the appendages in the reef-building sedentary polychaete Sabellaria alveolata (Annelida, Sedentaria, Sabellida). BMC Zoology, 2021, 6, .	1.0	6
84	Ultrastructure of cerebral eyes in Oweniidae and Chaetopteridae (Annelida) â€“ implications for the evolution of eyes in Annelida. Zoological Letters, 2022, 8, 3.	1.3	6
85	Ultrastructure of the spermatozoa of Parenterodrilus taenioides (Protodrilida: ?Polychaeta?) and its phylogenetic significance. Zoomorphology, 2004, 123, 139.	0.8	5
86	Fine structure of the cerebral eyes in Flabelligera affinis (Annelida, Sedentaria, Cirratuliformia): new data prove the existence of typical converse annelid multicellular eyes in a sedentary polychaete. Zoomorphology, 2017, 136, 307-325.	0.8	5
87	Anterior sense organs in Sabellaria alveolata (Annelida, Sedentaria, Spionida) with special reference to ultrastructure of photoreceptor elements presumably involved in shadow reflex. Zoomorphology, 2019, 138, 39-54.	0.8	4
88	Ultrastructure of the ventral pharynx in the interstitial annelid Questa paucibranchiata (Orbiniidae) and its phylogenetic significance. Zoomorphology, 2011, 130, 167-180.	0.8	3
89	Ultrastructure of pigmented eyes in Onuphidae and Eunicidae (Annelida: Errantia: Eunicida) and its importance in understanding the evolution of eyes in Annelida. Zoomorphology, 2020, 139, 1-19.	0.8	3
90	Ultrastructure and functional morphology of the dorsal organs in Scoloplos armiger (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.8	3

#	Article	IF	Citations
91	The coelom and the origin of the annelid body plan. , 2005, , 127-137.		2
92	Morphology and ultrastructure of the anterior end of Diplocirrus longisetosus Marenzeller, 1890 (Flabelligeridae, Polychaeta, Annelida). , 2003, , 215-223.		1
93	In honor of Wilfried Westheide on the occasion of his 75th birthday. Zoomorphology, 2012, 131, 275-276.	0.8	0
94	7. Pleistoannelida. , 2019, , 217-466.		0
95	7.11.2 Saccocirridae Czerniavsky, 1881. , 2020, , 280-298.		0
96	7.5 Sedentaria: Opheliida/ Terebellida/Clitellata: incertae sedis. , 2020, , 275-284.		0