

Peter Funch

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,516
citations

201674

27
h-index

206112

48
g-index

64
all docs

64
docs citations

64
times ranked

2541
citing authors

#	ARTICLE	IF	CITATIONS
1	The house spider genome reveals an ancient whole-genome duplication during arachnid evolution. BMC Biology, 2017, 15, 62.	3.8	286
2	Spider genomes provide insight into composition and evolution of venom and silk. Nature Communications, 2014, 5, 3765.	12.8	235
3	Cycliophora is a new phylum with affinities to Entoprocta and Ectoprocta. Nature, 1995, 378, 711-714.	27.8	189
4	Investigations into the phylogenetic position of Micrognathozoa using four molecular loci. Cladistics, 2004, 20, 1-13.	3.3	151
5	Rotiferan Hox genes give new insights into the evolution of metazoan bodyplans. Nature Communications, 2017, 8, 9.	12.8	149
6	Micrognathozoa: A new class with complicated jaws like those of Rotifera and Gnathostomulida. Journal of Morphology, 2000, 246, 1-49.	1.2	126
7	Effects of bioturbation on solutes and solids in marine sediments. Aquatic Microbial Ecology, 2001, 26, 81-94.	1.8	88
8	Molecular phylogeny of extant horseshoe crabs (Xiphosura, Limulidae) indicates Paleogene diversification of Asian species. Molecular Phylogenetics and Evolution, 2012, 62, 21-26.	2.7	72
9	Marine meiofauna, carbon and nitrogen mineralization in sandy and soft sediments of Disko Bay, West Greenland. Aquatic Microbial Ecology, 2000, 21, 59-71.	1.8	63
10	A holomorph approach to xiphosuran evolution—a case study on the ontogeny of Euproops. Development Genes and Evolution, 2012, 222, 253-268.	0.9	60
11	Morphology of human Fallopian tubes after infection with Mycoplasma genitalium and Mycoplasma hominis—in vitro organ culture study. Human Reproduction, 2007, 22, 968-979.	0.9	55
12	Variation in anhydrobiotic survival of two eutardigrade morphospecies: a story of cryptic species and their dispersal. Journal of Zoology, 2008, 275, 139-145.	1.7	53
13	Present and Potential Future Distributions of Asian Horseshoe Crabs Determine Areas for Conservation. Frontiers in Marine Science, 2018, 5, .	2.5	48
14	The chordoid larva of Symbion pandora (Cycliophora) is a modified trochophore. , 1996, 230, 231-263.		46
15	On the Phylogenetic Position of Rotifera — Have We Come Any Further?. Hydrobiologia, 2005, 546, 11-28.	2.0	46
16	A new species of Cycliophora from the mouthparts of the American lobster, Homarus americanus (Nephropidae, Decapoda). Organisms Diversity and Evolution, 2006, 6, 83-97.	1.6	45
17	Biofilm formation in long-term central venous catheters in children with cancer: a randomized controlled open-labelled trial of taurolidine versus heparin. Apmis, 2012, 120, 794-801.	2.0	44
18	Xenoturbella bocki exhibits direct development with similarities to Acoelomorpha. Nature Communications, 2013, 4, 1537.	12.8	43

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19	Endozoicomonas Are Specific, Facultative Symbionts of Sea Squirts. <i>Frontiers in Microbiology</i> , 2016, 7, 1042.	3.5	43
20	Hidden diversity and host specificity in cycliophorans: a phylogeographic analysis along the North Atlantic and Mediterranean Sea. <i>Molecular Ecology</i> , 2005, 14, 4427-4440.	3.9	41
21	Immunocytochemistry of the neuromuscular systems of <i>Loxosomella vivipara</i> and <i>L. parguerensis</i> (Entoprocta: Loxosomatidae). <i>Journal of Morphology</i> , 2006, 267, 866-883.	1.2	40
22	Phylogeography of North Atlantic intertidal tardigrades: refugia, cryptic speciation and the history of the Mid-Atlantic Islands. <i>Journal of Biogeography</i> , 2011, 38, 1613-1624.	3.0	40
23	Distribution and speciation in marine intertidal tardigrades: testing the roles of climatic and geographical isolation. <i>Journal of Biogeography</i> , 2012, 39, 1596-1607.	3.0	39
24	Dwarf male of symbion pandora (cycliophora). <i>Journal of Morphology</i> , 2003, 255, 261-278.	1.2	37
25	Population dynamics of American horseshoe crabs-historic climatic events and recent anthropogenic pressures. <i>Molecular Ecology</i> , 2010, 19, 3088-3100.	3.9	37
26	Ciliary feeding structures and particle capture mechanism in the freshwater bryozoan <i>Plumatella repens</i> (Phylactolaemata). <i>Invertebrate Biology</i> , 2004, 123, 156-167.	0.9	35
27	Comparative genomic study of arachnid immune systems indicates loss of beta-1,3-glucanase related proteins and the immune deficiency pathway. <i>Journal of Evolutionary Biology</i> , 2016, 29, 277-291.	1.7	34
28	Cryptic speciation in the recently discovered American cycliophoran <i>Symbion americanus</i> ; genetic structure and population expansion. <i>Marine Biology</i> , 2007, 151, 2183-2193.	1.5	31
29	Musculature of <i>Notholca acuminata</i> (Rotifera: Ploima: Brachionidae) revealed by confocal scanning laser microscopy. <i>Invertebrate Biology</i> , 2005, 122, 223-230.	0.9	30
30	Description of <i>Endozoicomonas ascidicola</i> sp. nov., isolated from Scandinavian ascidians. <i>Systematic and Applied Microbiology</i> , 2016, 39, 313-318.	2.8	27
31	The mussel filter "pump" present understanding, with a re-examination of gill preparations. <i>Acta Zoologica</i> , 2015, 96, 273-282.	0.8	25
32	Intraspecific shape variation in horseshoe crabs: The importance of sexual and natural selection for local adaptation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 407, 131-138.	1.5	24
33	Low Oxygen Levels Slow Embryonic Development of <i>Limulus polyphemus</i> . <i>Biological Bulletin</i> , 2016, 231, 113-119.	1.8	24
34	A Novel Extracellular Gut Symbiont in the Marine Worm <i>Priapulid caudatus</i> (Priapulida) Reveals an Alphaproteobacterial Symbiont Clade of the Ecdysozoa. <i>Frontiers in Microbiology</i> , 2016, 7, 539.	3.5	19
35	Two Types of Endosymbiotic Bacteria in the Enigmatic Marine Worm <i>Xenoturbella bocki</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 2657-2662.	3.1	16
36	The microhabitat of <i>Symbion pandora</i> (Cycliophora) on the mouthparts of its host <i>Nephrops norvegicus</i> (Decapoda: Nephropidae). <i>Marine Biology</i> , 2006, 148, 945-951.	1.5	15

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37	Contraction-Expansion and the Effects on the Aquiferous System in the Demosponge <i>Halichondria panicea</i> . <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	15
38	Self-Injection of a Dipteran Parasitoid into a Spider. <i>Die Naturwissenschaften</i> , 1999, 86, 530-532.	1.6	12
39	Particle capture in ciliary filter-feeding gymnolaemate and phylactolaemate bryozoans – a comparative study. <i>Acta Zoologica</i> , 2010, 91, 416-425.	0.8	12
40	<i>Tantulacus hoegigen. et sp. nov.</i> (Tantulocarida: Deoterthridae) from the meiobenthos of the Faroe Bank, North Atlantic. <i>Sarsia</i> , 1992, 76, 287-297.	0.5	10
41	Comparative myoanatomy of cyclophoran life cycle stages. <i>Journal of Morphology</i> , 2010, 271, 596-611.	1.2	10
42	Spermatozoon ultrastructure of <i>Xenoturbella bocki</i> (Westblad 1949). <i>Acta Zoologica</i> , 2011, 92, 109-115.	0.8	10
43	Ultrastructure and morphology of the cyclophoran female. <i>Journal of Morphology</i> , 2012, 273, 850-869.	1.2	10
44	External morphology of the cyclophoran dwarf male: a comparative study of <i>Symbion pandora</i> and <i>S. americanus</i> . <i>Helgoland Marine Research</i> , 2010, 64, 257-262.	1.3	9
45	Size is not everything: a meta-analysis of geographic variation in microscopic eukaryotes. <i>Global Ecology and Biogeography</i> , 2011, 20, 475-485.	5.8	9
46	Organization of pharyngeal hard parts and musculature in <i>Gnathostomula armata</i> (Gnathostomulida): Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	8
47	Transportation Infrastructures and Arthropod Dispersal: Are Harvestmen (Opiliones) Hitchhiking to Northern Europe?. <i>Journal of Ethnobiology</i> , 2018, 38, 55-70.	2.1	8
48	Helminths in common eiders (<i>Somateria mollissima</i>): Sex, age, and migration have differential effects on parasite loads. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2019, 9, 184-194.	1.5	8
49	Parasitoid suppression and life-history modifications in a wolf spider following infection by larvae of an acrocerid fly. <i>Journal of Arachnology</i> , 2012, 40, 13-17.	0.5	7
50	Micrognathozoa: A new class with complicated jaws like those of Rotifera and Gnathostomulida. <i>Journal of Morphology</i> , 2000, 246, 1-49.	1.2	6
51	On the phylogenetic position of Rotifera – have we come any further?. , 2005, , 11-28.		4
52	A new species of <i>Echinoderes</i> (Cyclorhagida: Echinoderidae) from the San Juan Islands, Washington State, USA, and insights into the kinorhynch transcriptome. <i>Zoologischer Anzeiger</i> , 2019, 282, 52-63.	0.9	4
53	Eiders as Long Distance Connectors in Arctic Networks. <i>Cross-Cultural Research</i> , 2019, 53, 252-271.	2.7	4
54	Rotifers in saline waters from Disko Island, West Greenland. <i>Hydrobiologia</i> , 2001, 446/447, 273-282.	2.0	2

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55	5. Cycliophora. , 2018, , 87-110.		2
56	Growth and single cell kinetics of the loricate choanoflagellate <i>Diaphanoeca grandis</i> . Scientific Reports, 2019, 9, 14543.	3.3	1
57	Rotifers in saline waters from Disko Island, West Greenland. , 2001, , 273-282.		1
58	Digestive physiology in reptiles with special reference to pythons. , 2017, , 81-114.		1
59	Osmoregulation and acid base regulation of the Asian horseshoe crab <i>Carcinoscorpius rotundicauda</i> . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 150, S107.	1.8	0
60	Ultrastructure and morphology of the cycliophoran female. Journal of Morphology, 2012, 273, n/a-n/a.	1.2	0