

# Andreas Wanninger

## List of Publications by Citations

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130  
papers

3,131  
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31  
h-index

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g-index

139  
ext. papers

3,710  
ext. citations

2.6  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
130	Invertebrate neurophylogeny: suggested terms and definitions for a neuroanatomical glossary. <i>Frontiers in Zoology</i> , <b>2010</b> , 7, 29	2.8	239
129	Chiton myogenesis: perspectives for the development and evolution of larval and adult muscle systems in molluscs. <i>Journal of Morphology</i> , <b>2002</b> , 251, 103-13	1.6	88
128	Segmental mode of neural patterning in sipuncula. <i>Current Biology</i> , <b>2008</b> , 18, 1129-32	6.3	82
127	Shaping the things to come: ontogeny of lophotrochozoan neuromuscular systems and the tetraneuralia concept. <i>Biological Bulletin</i> , <b>2009</b> , 216, 293-306	1.5	81
126	Nervous and muscle system development in <i>Phascolion strombus</i> (Sipuncula). <i>Development Genes and Evolution</i> , <b>2005</b> , 215, 509-18	1.8	81
125	Neurogenesis in the mossy chiton, <i>Mopalia muscosa</i> (Gould) (Polyplacophora): evidence against molluscan metamerism. <i>Journal of Morphology</i> , <b>2002</b> , 253, 109-17	1.6	76
124	Development of the musculature in the limpet <i>Patella</i> (Mollusca, Patellogastropoda). <i>Development Genes and Evolution</i> , <b>1999</b> , 209, 226-38	1.8	72
123	The expression of an engrailed protein during embryonic shell formation of the tusk-shell, <i>Antalis entalis</i> (Mollusca, Scaphopoda). <i>Evolution &amp; Development</i> , <b>2001</b> , 3, 312-21	2.6	66
122	Molluscs. <i>Current Biology</i> , <b>2012</b> , 22, R510-4	6.3	62
121	Anatomy of the serotonergic nervous system of an entoproct creeping-type larva and its phylogenetic implications. <i>Invertebrate Biology</i> , <b>2007</b> , 126, 268-278	1	57
120	The evolution of molluscs. <i>Biological Reviews</i> , <b>2018</b> , 94, 102	13.5	54
119	The development of the serotonergic and FMRF-amidergic nervous system in <i>Antalis entalis</i> (Mollusca, Scaphopoda). <i>Zoomorphology</i> , <b>2003</b> , 122, 77-85	1	54
118	On the fine structure of the creeping larva of <i>Loxosomella murmanica</i> : additional evidence for a clade of Kamptozoa (Entoprocta) and Mollusca. <i>Acta Zoologica</i> , <b>2007</b> , 89, 137-148	0.8	50
117	Aplacophoran mollusks evolved from ancestors with polyplacophoran-like features. <i>Current Biology</i> , <b>2013</b> , 23, 2130-4	6.3	49
116	Molluscan muscle systems in development and evolution*. <i>Journal of Zoological Systematics and Evolutionary Research</i> , <b>2000</b> , 38, 157-163	1.9	48
115	The role of MAPK signaling in patterning and establishing axial symmetry in the gastropod <i>Haliotis asinina</i> . <i>Developmental Biology</i> , <b>2007</b> , 311, 200-12	3.1	47
114	Muscle development in <i>Antalis entalis</i> (Mollusca, Scaphopoda) and its significance for scaphopod relationships. <i>Journal of Morphology</i> , <b>2002</b> , 254, 53-64	1.6	47

113	Pygmy squids and giant brains: mapping the complex cephalopod CNS by phalloidin staining of vibratome sections and whole-mount preparations. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 179, 63-7	3	45
112	Early development of the aplacophoran mollusc Chaetoderma. <i>Acta Zoologica</i> , <b>2007</b> , 88, 231-247	0.8	45
111	Steps towards a centralized nervous system in basal bilaterians: insights from neurogenesis of the acoel Symsagittifera roscoffensis. <i>Development Growth and Differentiation</i> , <b>2010</b> , 52, 701-13	3	44
110	Larval neurogenesis in Sabellaria alveolata reveals plasticity in polychaete neural patterning. <i>Evolution &amp; Development</i> , <b>2008</b> , 10, 606-18	2.6	43
109	Immunocytochemistry and metamorphic fate of the larval nervous system of Triphyllozoon mucronatum (Ectoprocta: Gymnolaemata: Cheilostomata). <i>Zoomorphology</i> , <b>2005</b> , 124, 161-170	1	42
108	Neuromuscular development in Novocrania anomala: evidence for the presence of serotonin and a spiralian-like apical organ in lecithotrophic brachiopod larvae. <i>Evolution &amp; Development</i> , <b>2010</b> , 12, 16-24	2.6	37
107	Myoanatomy of the marine tardigrade Halobiotus crispae (Eutardigrada: Hypsibiidae). <i>Journal of Morphology</i> , <b>2009</b> , 270, 996-1013	1.6	36
106	FMRamide gene and peptide expression during central nervous system development of the cephalopod mollusk, Idiosepius notoides. <i>Evolution &amp; Development</i> , <b>2010</b> , 12, 113-30	2.6	36
105	Immunocytochemical studies on the naupliar nervous system of Balanus improvisus (Crustacea, Cirripedia, Thecostraca). <i>Arthropod Structure and Development</i> , <b>2008</b> , 37, 383-95	1.8	32
104	Comparative lophotrochozoan neurogenesis and larval neuroanatomy: recent advances from previously neglected taxa. <i>Acta Biologica Hungarica</i> , <b>2008</b> , 59 Suppl, 127-36		32
103	Opsin evolution in the Ambulacraria. <i>Marine Genomics</i> , <b>2015</b> , 24 Pt 2, 177-83	1.9	31
102	Development of the nervous system in Phoronopsis harmeri (Lophotrochozoa, Phoronida) reveals both deuterostome- and trochozoan-like features. <i>BMC Evolutionary Biology</i> , <b>2012</b> , 12, 121	3	31
101	Of tests, trochs, shells, and spicules: Development of the basal mollusk Wirenia argentea (Solenogastres) and its bearing on the evolution of trochozoan larval key features. <i>Frontiers in Zoology</i> , <b>2010</b> , 7, 6	2.8	31
100	Immunocytochemistry of the nervous system and the musculature of the chordoid larva of Symbion pandora (Cycliophora). <i>Journal of Morphology</i> , <b>2005</b> , 265, 237-43	1.6	31
99	Unexpected co-linearity of Hox gene expression in an aculiferan mollusk. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 151	3	30
98	Mantle margin morphogenesis in Nodipecten nodosus (Mollusca: Bivalvia): new insights into the development and the roles of bivalve pallial folds. <i>BMC Developmental Biology</i> , <b>2015</b> , 15, 22	3.1	30
97	The development of the musculature in the limpet Patella with implications on its role in the process of ontogenetic torsion. <i>Invertebrate Reproduction and Development</i> , <b>1999</b> , 36, 211-215	0.7	29
96	Myoanatomy and serotonergic nervous system of plumatellid and fredericellid Phylactolaemata (Lophotrochozoa, Ectoprocta). <i>Journal of Morphology</i> , <b>2012</b> , 273, 57-67	1.6	28



77	Development of the nervous system in Solenogastres (Mollusca) reveals putative ancestral spiralian features. <i>EvoDevo</i> , <b>2014</b> , 5, 48	3.2	21
76	Comparative larval myogenesis and adult myoanatomy of the rhynchonelliform (articulate) brachiopods <i>Argyrothecca cordata</i> , <i>A. cistellula</i> , and <i>Terebratalia transversa</i> . <i>Frontiers in Zoology</i> , <b>2009</b> , 6, 3	2.8	21
75	Mollusca <b>2015</b> , 103-153		20
74	Immunocytochemical studies reveal novel neural structures in nemertean pilidium larvae and provide evidence for incorporation of larval components into the juvenile nervous system. <i>Frontiers in Zoology</i> , <b>2013</b> , 10, 31	2.8	20
73	Ancestral role of Pax2/5/8 in molluscan brain and multimodal sensory system development. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 231	3	20
72	Cellular and muscular growth patterns during sipunculan development. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2011</b> , 316B, 227-40	1.8	20
71	Sipunculans and segmentation. <i>Communicative and Integrative Biology</i> , <b>2009</b> , 2, 56-9	1.7	20
70	Neurogenesis suggests independent evolution of opercula in serpulid polychaetes. <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 270	3	20
69	Reconstruction of the neuromuscular system of the swimming-type larva of <i>Loxosomella atkinsae</i> (Entoprocta) as inferred by fluorescence labelling and confocal microscopy. <i>Organisms Diversity and Evolution</i> , <b>2008</b> , 8, 325-335	1.7	20
68	Neurogenesis in directly and indirectly developing enteropneusts: of nets and cords. <i>Organisms Diversity and Evolution</i> , <b>2015</b> , 15, 405-422	1.7	19
67	From complex to simple: myogenesis in an aplacophoran mollusk reveals key traits in aculiferan evolution. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 201	3	19
66	Analysis of neurotransmitter distribution in brain development of benthic and pelagic octopod cephalopods. <i>Journal of Morphology</i> , <b>2012</b> , 273, 776-90	1.6	19
65	Neurogenesis of cephalic sensory organs of <i>Aplysia californica</i> . <i>Cell and Tissue Research</i> , <b>2007</b> , 330, 361-70	1.2	19
64	Homeobox gene expression in Brachiopoda: the role of Not and Cdx in bodyplan patterning, neurogenesis, and germ layer specification. <i>Gene Expression Patterns</i> , <b>2011</b> , 11, 427-36	1.5	17
63	Three-dimensional reconstruction of the musculature of various life cycle stages of the cycliophoran <i>Symbion americanus</i> . <i>Journal of Morphology</i> , <b>2009</b> , 270, 257-70	1.6	17
62	Morphology of the bryozoan <i>Cinctipora elegans</i> (Cyclostomata, Cinctiporidae) with first data on its sexual reproduction and the cyclostome neuro-muscular system. <i>BMC Evolutionary Biology</i> , <b>2018</b> , 18, 92	3	15
61	Unity in diversity: a survey of muscular systems of ctenostome Gymnolaemata (Lophotrochozoa, Bryozoa). <i>Frontiers in Zoology</i> , <b>2018</b> , 15, 24	2.8	15
60	Innervation of bivalve larval catch muscles by serotonergic and FMRFamidergic neurons. <i>Acta Biologica Hungarica</i> , <b>2012</b> , 63 Suppl 2, 221-9		15

59	Integrative analysis of polychaete ontogeny: cell proliferation patterns and myogenesis in trochophore larvae of Sabellaria alveolata. <i>Evolution &amp; Development</i> , <b>2010</b> , 12, 5-15	2.6	15
58	The nervous system of the basal mollusk Wierenia argentea (Solenogastres): a study employing immunocytochemical and 3D reconstruction techniques. <i>Marine Biology Research</i> , <b>2008</b> , 4, 290-303	1	15
57	Myogenesis in Aplysia californica (Cooper, 1863) (Mollusca, Gastropoda, Opisthobranchia) with special focus on muscular remodeling during metamorphosis. <i>Journal of Morphology</i> , <b>2008</b> , 269, 776-89	1.6	15
56	Metamorphosis in Craniiformea revisited: Novocrania anomala shows delayed development of the ventral valve. <i>Zoomorphology</i> , <b>2013</b> , 132, 379-387	1	14
55	Brain regionalization genes are co-opted into shell field patterning in Mollusca. <i>Scientific Reports</i> , <b>2017</b> , 7, 5486	4.9	14
54	Developmental dynamics of myogenesis in the shipworm Lyrodus pedicellatus (Mollusca: Bivalvia). <i>Frontiers in Zoology</i> , <b>2014</b> , 11, 90	2.8	14
53	Evolution of invertebrate nervous systems: the Chaetognatha as a case study. <i>Acta Zoologica</i> , <b>2010</b> , 91, 35-43	0.8	14
52	Three-dimensional reconstruction of the naupliar musculature and a scanning electron microscopy atlas of nauplius development of Balanus improvisus (Crustacea: Cirripedia: Thoracica). <i>Arthropod Structure and Development</i> , <b>2009</b> , 38, 135-45	1.8	14
51	Ancient origins of arthropod moulting pathway components. <i>ELife</i> , <b>2019</b> , 8,	8.9	14
50	Staggered Hox expression is more widespread among molluscs than previously appreciated. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285,	4.4	14
49	The quagga mussel genome and the evolution of freshwater tolerance. <i>DNA Research</i> , <b>2019</b> , 26, 411-422	4.5	13
48	Molecular architecture of muscles in an acoel and its evolutionary implications. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2011</b> , 316, 427-39	1.8	13
47	Cycliophoran dwarf males break the rule: high complexity with low cell numbers. <i>Biological Bulletin</i> , <b>2009</b> , 217, 2-5	1.5	13
46	The protonephridial system of the tusk shell, Antalis entalis (Mollusca, Scaphopoda). <i>Zoomorphology</i> , <b>2001</b> , 121, 19-26	1	13
45	Reconstructing the muscular ground pattern of phylactolaemate bryozoans: first data from gelatinous representatives. <i>BMC Evolutionary Biology</i> , <b>2017</b> , 17, 225	3	12
44	Trapped in freshwater: the internal anatomy of the entoproct Loxosomatoides sirindhornae. <i>Frontiers in Zoology</i> , <b>2010</b> , 7, 7	2.8	12
43	Extensive conservation of the proneuropeptide and peptide prohormone complement in mollusks. <i>Scientific Reports</i> , <b>2019</b> , 9, 4846	4.9	11
42	Development of the pallial eye in Nodipecten nodosus (Mollusca: Bivalvia): insights into early visual performance in scallops. <i>Zoomorphology</i> , <b>2015</b> , 134, 403-415	1	11

41	Insights into the organization of plumatellid larvae (lophotrochozoa, Bryozoa) by means of 3D-imaging and confocal microscopy. <i>Journal of Morphology</i> , <b>2015</b> , 276, 109-20	1.6	10
40	Towards a ground pattern reconstruction of bivalve nervous systems: neurogenesis in the zebra mussel. <i>Organisms Diversity and Evolution</i> , <b>2018</b> , 18, 101-114	1.7	10
39	Spiral cleavage and early embryology of a loxosomatid entoproct and the usefulness of spiralian apical cross patterns for phylogenetic inferences. <i>BMC Developmental Biology</i> , <b>2012</b> , 12, 11	3.1	10
38	Comparative myoanatomy of cyclophoran life cycle stages. <i>Journal of Morphology</i> , <b>2010</b> , 271, 596-611	1.6	10
37	Neuromuscular development in Patellogastropoda (Mollusca: Gastropoda) and its importance for reconstructing ancestral gastropod bodyplan features. <i>Journal of Zoological Systematics and Evolutionary Research</i> , <b>2016</b> , 54, 22-39	1.9	10
36	Ancestral and novel roles of Pax family genes in mollusks. <i>BMC Evolutionary Biology</i> , <b>2017</b> , 17, 81	3	9
35	Cell Proliferation Pattern and Twist Expression in an Aplacophoran Mollusk Argue Against Segmented Ancestry of Mollusca. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2016</b> , 326, 422-436	1.8	9
34	Neuroanatomy of <i>Hyalinella punctata</i> : Common patterns and new characters in phylactolaemate bryozoans. <i>Journal of Morphology</i> , <b>2018</b> , 279, 242-258	1.6	9
33	Neuronal patterning of the tubular collar cord is highly conserved among enteropneusts but dissimilar to the chordate neural tube. <i>Scientific Reports</i> , <b>2017</b> , 7, 7003	4.9	8
32	Inferring muscular ground patterns in Bivalvia: Myogenesis in the scallop <i>Nodipecten nodosus</i> . <i>Frontiers in Zoology</i> , <b>2015</b> , 12, 34	2.8	8
31	Anatomy of the pallial tentacular organs of the scallop <i>Nodipecten nodosus</i> (Linnaeus, 1758) (Bivalvia: Pectinidae). <i>Zoologischer Anzeiger</i> , <b>2015</b> , 258, 39-46	1.1	8
30	Myogenesis in two polyclad platyhelminths with indirect development, <i>Pseudoceros canadensis</i> and <i>Stylostomum sanjuania</i> . <i>Evolution &amp; Development</i> , <b>2010</b> , 12, 210-21	2.6	8
29	Muscular anatomy of an entoproct creeping-type larva reveals extraordinary high complexity and potential shared characters with mollusks. <i>BMC Evolutionary Biology</i> , <b>2015</b> , 15, 130	3	7
28	The VD1/RPD2 $\beta$ -neuropeptide is highly expressed in the brain of cephalopod mollusks. <i>Cell and Tissue Research</i> , <b>2012</b> , 348, 439-52	4.2	7
27	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> , <b>2010</b> , 64, 257-262	1.8	7
26	Molluscan Evolutionary Development <b>2008</b> , 427-445		7
25	Life in a tube: morphology of the ctenostome bryozoan. <i>Zoological Letters</i> , <b>2019</b> , 5, 28	3	6
24	Serotonin immunoreactivity in the nervous system of the <i>Pandora</i> larva, the <i>Prometheus</i> larva, and the dwarf male of <i>Symbion americanus</i> (Cyclophora). <i>Zoologischer Anzeiger</i> , <b>2010</b> , 249, 1-12	1.1	6

23	Capitellid connections: contributions from neuromuscular development of the maldanid polychaete <i>Axiiothella rubrocincta</i> (Annelida). <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 168	3	6
22	Morphology and life cycle of an epiphytic pherussellid ctenostome bryozoan from the Mediterranean Sea. <i>Organisms Diversity and Evolution</i> , <b>2020</b> , 20, 417-437	1.7	5
21	Inter- and intraspecific plasticity in distribution patterns of immunoreactive compounds in actinotroch larvae of Phoronida (Lophotrochozoa). <i>Journal of Zoological Systematics and Evolutionary Research</i> , <b>2014</b> , 52, 1-14	1.9	5
20	Expression of synapsin and co-localization with serotonin and RFamide-like immunoreactivity in the nervous system of the chordoid larva of <i>Symbion pandora</i> (Cycliophora). <i>Invertebrate Biology</i> , <b>2010</b> , 129, 17-26	1	5
19	Preliminary results on the anatomy of the larval musculature of <i>Balanus improvisus</i> (Darwin, 1854) (Crustacea: Cirripedia: Thecostraca) using phalloidin staining in combination with confocal laserscanning microscopy. <i>Invertebrate Reproduction and Development</i> , <b>2006</b> , 49, 207-212	0.7	5
18	A putative species complex in the Sea of Japan revealed by DNA sequence data: a study on cf. (Gastropoda: Patellogastropoda). <i>Journal of Zoological Systematics and Evolutionary Research</i> , <b>2016</b> , 54, 177-181	1.9	5
17	Ancestral Role of Ecdysis-Related Neuropeptides in Animal Life Cycle Transitions. <i>Current Biology</i> , <b>2021</b> , 31, 207-213.e4	6.3	5
16	A mating plug in a squid? Sneaker spermatophores can block the female sperm-storage organ in <i>Doryteuthis plei</i> . <i>Zoology</i> , <b>2018</b> , 130, 47-56	1.7	5
15	Expression of <i>six3</i> and <i>otx</i> in Solenogastres (Mollusca) supports an ancestral role in bilaterian anterior-posterior axis patterning. <i>Evolution &amp; Development</i> , <b>2018</b> , 20, 17-28	2.6	4
14	The life of the freshwater bryozoan (Bryozoa, Phylactolaemata)-a crucial key to elucidating bryozoan evolution. <i>Zoological Letters</i> , <b>2016</b> , 2, 25	3	3
13	Mollusca: Bivalvia <b>2015</b> , 190-195		3
12	The quagga mussel genome and the evolution of freshwater tolerance: Supplementary Material		3
11	Novel and Conserved Features of the Hox Cluster of Entoprocta (Kamptozoa). <i>Journal of Phylogenetics &amp; Evolutionary Biology</i> , <b>2018</b> , 06,		3
10	Evolutionary Developmental Biology of Invertebrates 4 <b>2015</b> ,		2
9	Entoprocta <b>2015</b> , 89-101		2
8	Complete mitochondrial genomes of two scaphopod molluscs. <i>Mitochondrial DNA Part B: Resources</i> , <b>2019</b> , 4, 3161-3162	0.5	1
7	Cycliophora <b>2015</b> , 79-87		1
6	Ecdysis-related neuropeptide expression and metamorphosis in a non-ecdysozoan bilaterian. <i>Evolution; International Journal of Organic Evolution</i> , <b>2021</b> , 75, 2237-2250	3.8	1



5	Reproductive biology, embryonic development and matrotrophy in the phylactolaemate bryozoan <i>Plumatella casmiana</i> . <i>Organisms Diversity and Evolution</i> , <b>2021</b> , 21, 467	1.7	○
4	Non-collinear Hox gene expression in bivalves and the evolution of morphological novelties in mollusks. <i>Scientific Reports</i> , <b>2021</b> , 11, 3575	4.9	○
3	Methods in Brain Development of Molluscs. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2047, 311-324	1.4	
2	Methods in brain development of molluscs. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1082, 117-25	1.4	
1	HES and Mox genes are expressed during early mesoderm formation in a mollusk with putative ancestral features. <i>Scientific Reports</i> , <b>2021</b> , 11, 18030	4.9	