Andreas Wanninger

List of Publications by Year in Descending Order

130 papers	3,131 citations	31 h-index	47 g-index
139 ext. papers	3,710 ext. citations	2.6 avg, IF	5.68 L-index

#	Paper	IF	Citations
130	Reproductive biology, embryonic development and matrotrophy in the phylactolaemate bryozoan Plumatella casmiana. *Organisms Diversity and Evolution*, **2021**, 21, 467	1.7	0
129	Ancestral Role of Ecdysis-Related Neuropeptides in Animal Life Cycle Transitions. *Current Biology*, **2021**, 31, 207-213.e4	6.3	5
128	Non-collinear Hox gene expression in bivalves and the evolution of morphological novelties in mollusks. *Scientific Reports*, **2021**, 11, 3575	4.9	0
127	Ecdysis-related neuropeptide expression and metamorphosis in a non-ecdysozoan bilaterian. *Evolution; International Journal of Organic Evolution*, **2021**, 75, 2237-2250	3.8	1
126	HES and Mox genes are expressed during early mesoderm formation in a mollusk with putative ancestral features. *Scientific Reports*, **2021**, 11, 18030	4.9	
125	Morphology and life cycle of an epiphytic pherusellid ctenostome bryozoan from the Mediterranean Sea. *Organisms Diversity and Evolution*, **2020**, 20, 417-437	1.7	5
124	Key novelties in the evolution of the aquatic colonial phylum Bryozoa: evidence from soft body morphology. *Biological Reviews*, **2020**, 95, 696-729	13.5	25
123	Methods in Brain Development of Molluscs. *Methods in Molecular Biology*, **2020**, 2047, 311-324	1.4	
122	Life in a tube: morphology of the ctenostome bryozoan. *Zoological Letters*, **2019**, 5, 28	3	6
121	The quagga mussel genome and the evolution of freshwater tolerance. *DNA Research*, **2019**, 26, 411-422	4.5	13
120	Complete mitochondrial genomes of two scaphopod molluscs. *Mitochondrial DNA Part B: Resources*, **2019**, 4, 3161-3162	0.5	1
119	Extensive conservation of the proneuropeptide and peptide prohormone complement in mollusks. *Scientific Reports*, **2019**, 9, 4846	4.9	11
118	Ancient origins of arthropod moulting pathway components. *ELife*, **2019**, 8,	8.9	14
117	Expression of six3 and otx in Solenogastres (Mollusca) supports an ancestral role in bilaterian anterior-posterior axis patterning. *Evolution & Development*, **2018**, 20, 17-28	2.6	4
116	Towards a ground pattern reconstruction of bivalve nervous systems: neurogenesis in the zebra mussel. *Organisms Diversity and Evolution*, **2018**, 18, 101-114	1.7	10
115	Morphology of the bryozoan Cinctipora elegans (Cyclostomata, Cinctiporidae) with first data on its sexual reproduction and the cyclostome neuro-muscular system. *BMC Evolutionary Biology*, **2018**, 18, 92	3	15
114	Unity in diversity: a survey of muscular systems of ctenostome Gymnolaemata (Lophotrochozoa, Bryozoa). *Frontiers in Zoology*, **2018**, 15, 24	2.8	15

113	The evolution of molluscs. *Biological Reviews*, **2018**, 94, 102	13.5	54
112	Neuroanatomy of Hyalinella punctata: Common patterns and new characters in phylactolaemate bryozoans. *Journal of Morphology*, **2018**, 279, 242-258	1.6	9
111	Novel and Conserved Features of the Hox Cluster of Entoprocta (Kamptozoa). *Journal of Phylogenetics & Evolutionary Biology*, **2018**, 06,		3
110	Staggered Hox expression is more widespread among molluscs than previously appreciated. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	14
109	A mating plug in a squid? Sneaker spermatophores can block the female sperm-storage organ in Doryteuthis plei. *Zoology*, **2018**, 130, 47-56	1.7	5
108	Ancestral and novel roles of Pax family genes in mollusks. *BMC Evolutionary Biology*, **2017**, 17, 81	3	9
107	Reconstructing the muscular ground pattern of phylactolaemate bryozoans: first data from gelatinous representatives. *BMC Evolutionary Biology*, **2017**, 17, 225	3	12
106	Brain regionalization genes are co-opted into shell field patterning in Mollusca. *Scientific Reports*, **2017**, 7, 5486	4.9	14
105	Neuronal patterning of the tubular collar cord is highly conserved among enteropneusts but dissimilar to the chordate neural tube. *Scientific Reports*, **2017**, 7, 7003	4.9	8
104	The life of the freshwater bryozoan (Bryozoa, Phylactolaemata)-a crucial key to elucidating bryozoan evolution. *Zoological Letters*, **2016**, 2, 25	3	3
103	Neural architecture of Galathowenia oculata Zach, 1923 (Oweniidae, Annelida). *Frontiers in Zoology*, **2016**, 13, 5	2.8	24
102	Comparative transcriptomics enlarges the toolkit of known developmental genes in mollusks. *BMC Genomics*, **2016**, 17, 905	4.5	26
101	Cell Proliferation Pattern and Twist Expression in an Aplacophoran Mollusk Argue Against Segmented Ancestry of Mollusca. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2016**, 326, 422-436	1.8	9
100	Neuromuscular development in Patellogastropoda (Mollusca: Gastropoda) and its importance for reconstructing ancestral gastropod bodyplan features. *Journal of Zoological Systematics and Evolutionary Research*, **2016**, 54, 22-39	1.9	10
99	A putative species complex in the Sea of Japan revealed by DNA sequence data: a study on cf. (Gastropoda: Patellogastropoda). *Journal of Zoological Systematics and Evolutionary Research*, **2016**, 54, 177-181	1.9	5
98	Hox and ParaHox gene expression in early body plan patterning of polyplacophoran mollusks. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2016**, 326, 89-104	1.8	27
97	Development of the pallial eye in Nodipecten nodosus (Mollusca: Bivalvia): insights into early visual performance in scallops. *Zoomorphology*, **2015**, 134, 403-415	1	11
96	Neurogenesis in directly and indirectly developing enteropneusts: of nets and cords. *Organisms Diversity and Evolution*, **2015**, 15, 405-422	1.7	19

95	Unexpected co-linearity of Hox gene expression in an aculiferan mollusk. *BMC Evolutionary Biology*, **2015**, 15, 151	3	30
94	Mantle margin morphogenesis in Nodipecten nodosus (Mollusca: Bivalvia): new insights into the development and the roles of bivalve pallial folds. *BMC Developmental Biology*, **2015**, 15, 22	3.1	30
93	Evolutionary Developmental Biology of Invertebrates 4 **2015**,		2
92	Cycliophora **2015**, 79-87		1
91	Entoprocta **2015**, 89-101		2
90	Mollusca **2015**, 103-153		20
89	Insights into the organization of plumatellid larvae (lophotrochozoa, Bryozoa) by means of 3D-imaging and confocal microscopy. *Journal of Morphology*, **2015**, 276, 109-20	1.6	10
88	Opsin evolution in the Ambulacraria. *Marine Genomics*, **2015**, 24 Pt 2, 177-83	1.9	31
87	From complex to simple: myogenesis in an aplacophoran mollusk reveals key traits in aculiferan evolution. *BMC Evolutionary Biology*, **2015**, 15, 201	3	19
86	Ancestral role of Pax2/5/8 in molluscan brain and multimodal sensory system development. *BMC Evolutionary Biology*, **2015**, 15, 231	3	20
85	The serotonin-lir nervous system of the Bryozoa (Lophotrochozoa): a general pattern in the Gymnolaemata and implications for lophophore evolution of the phylum. *BMC Evolutionary Biology*, **2015**, 15, 223	3	23
84	Inferring muscular ground patterns in Bivalvia: Myogenesis in the scallop Nodipecten nodosus. *Frontiers in Zoology*, **2015**, 12, 34	2.8	8
83	Morphology is dead □□□long live morphology! Integrating MorphoEvoDevo into molecular EvoDevo and phylogenomics. *Frontiers in Ecology and Evolution*, **2015**, 3,	3.7	28
82	Muscular anatomy of an entoproct creeping-type larva reveals extraordinary high complexity and potential shared characters with mollusks. *BMC Evolutionary Biology*, **2015**, 15, 130	3	7
81	The ParaHox gene Gsx patterns the apical organ and central nervous system but not the foregut in scaphopod and cephalopod mollusks. *EvoDevo*, **2015**, 6, 41	3.2	22
80	Anatomy of the pallial tentacular organs of the scallop Nodipecten nodosus (Linnaeus, 1758) (Bivalvia: Pectinidae). *Zoologischer Anzeiger*, **2015**, 258, 39-46	1.1	8
79	Mollusca: Bivalvia **2015**, 190-195		3
78	Inter- and intraspecific plasticity in distribution patterns of immunoreactive compounds in actinotroch larvae of Phoronida (Lophotrochozoa). *Journal of Zoological Systematics and Evolutionary Research*, **2014**, 52, 1-14	1.9	5

77	Developmental dynamics of myogenesis in the shipworm Lyrodus pedicellatus (Mollusca: Bivalvia). *Frontiers in Zoology*, **2014**, 11, 90	2.8	14
76	Development of the nervous system in Solenogastres (Mollusca) reveals putative ancestral spiralian features. *EvoDevo*, **2014**, 5, 48	3.2	21
75	The nervous system of Paludicella articulata - first evidence of a neuroepithelium in a ctenostome ectoproct. *Frontiers in Zoology*, **2014**, 11, 89	2.8	23
74	POU genes are expressed during the formation of individual ganglia of the cephalopod central nervous system. *EvoDevo*, **2014**, 5, 41	3.2	22
73	Methods in brain development of molluscs. *Methods in Molecular Biology*, **2014**, 1082, 117-25	1.4	
72	Immunocytochemical studies reveal novel neural structures in nemertean pilidium larvae and provide evidence for incorporation of larval components into the juvenile nervous system. *Frontiers in Zoology*, **2013**, 10, 31	2.8	20
71	Metamorphosis in Craniiformea revisited: Novocrania anomala shows delayed development of the ventral valve. *Zoomorphology*, **2013**, 132, 379-387	1	14
70	Aplacophoran mollusks evolved from ancestors with polyplacophoran-like features. *Current Biology* , **2013**, 23, 2130-4	6.3	49
69	Micro-CT in cephalopod research: Investigating the internal anatomy of a sepiolid squid using a non-destructive technique with special focus on the ganglionic system. *Journal of Experimental Marine Biology and Ecology*, **2013**, 447, 140-148	2.1	26
68	Myoanatomy and serotonergic nervous system of plumatellid and fredericellid Phylactolaemata (Lophotrochozoa, Ectoprocta). *Journal of Morphology*, **2012**, 273, 57-67	1.6	28
67	Molluscs. *Current Biology*, **2012**, 22, R510-4	6.3	62
66	Spiral cleavage and early embryology of a loxosomatid entoproct and the usefulness of spiralian apical cross patterns for phylogenetic inferences. *BMC Developmental Biology*, **2012**, 12, 11	3.1	10
65	Development of the nervous system in Phoronopsis harmeri (Lophotrochozoa, Phoronida) reveals both deuterostome- and trochozoan-like features. *BMC Evolutionary Biology*, **2012**, 12, 121	3	31
64	Analysis of neurotransmitter distribution in brain development of benthic and pelagic octopod cephalopods. *Journal of Morphology*, **2012**, 273, 776-90	1.6	19
63	The VD1/RPD2 [illegible]-neuropeptide is highly expressed in the brain of cephalopod mollusks. *Cell and Tissue Research*, **2012**, 348, 439-52	4.2	7
62	Innervation of bivalve larval catch muscles by serotonergic and FMRFamidergic neurons. *Acta Biologica Hungarica*, **2012**, 63 Suppl 2, 221-9		15
61	Homeobox gene expression in Brachiopoda: the role of Not and Cdx in bodyplan patterning, neurogenesis, and germ layer specification. *Gene Expression Patterns*, **2011**, 11, 427-36	1.5	17
60	Myoanatomy and serotonergic nervous system of the ctenostome Hislopia malayensis: evolutionary trends in bodyplan patterning of ectoprocta. *Frontiers in Zoology*, **2011**, 8, 11	2.8	28

59	Cellular and muscular growth patterns during sipunculan development. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2011**, 316B, 227-40	1.8	20
58	Molecular architecture of muscles in an acoel and its evolutionary implications. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2011**, 316, 427-39	1.8	13
57	Expression of synapsin and co-localization with serotonin and RFamide-like immunoreactivity in the nervous system of the chordoid larva of Symbion pandora (Cycliophora). *Invertebrate Biology*, **2010**, 129, 17-26	1	5
56	Evolution of invertebrate nervous systems: the Chaetognatha as a case study. *Acta Zoologica*, **2010**, 91, 35-43	0.8	14
55	Steps towards a centralized nervous system in basal bilaterians: insights from neurogenesis of the acoel Symsagittifera roscoffensis. *Development Growth and Differentiation*, **2010**, 52, 701-13	3	44
54	Comparative myoanatomy of cycliophoran life cycle stages. *Journal of Morphology*, **2010**, 271, 596-611	1.6	10
53	Expression of serotonin (5-HT) during CNS development of the cephalopod mollusk, Idiosepius notoides. *Cell and Tissue Research*, **2010**, 342, 161-78	4.2	22
52	External morphology of the cycliophoran dwarf male: a comparative study of Symbion pandora and S. americanus. *Helgoland Marine Research*, **2010**, 64, 257-262	1.8	7
51	Serotonin immunoreactivity in the nervous system of the Pandora larva, the Prometheus larva, and the dwarf male of Symbion americanus (Cycliophora). *Zoologischer Anzeiger*, **2010**, 249, 1-12	1.1	6
50	Capitellid connections: contributions from neuromuscular development of the maldanid polychaete Axiothella rubrocincta (Annelida). *BMC Evolutionary Biology*, **2010**, 10, 168	3	6
49	Invertebrate neurophylogeny: suggested terms and definitions for a neuroanatomical glossary. *Frontiers in Zoology*, **2010**, 7, 29	2.8	239
48	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. *Frontiers in Zoology*, **2010**, 7, 6	2.8	31
47	Trapped in freshwater: the internal anatomy of the entoproct Loxosomatoides sirindhornae. *Frontiers in Zoology*, **2010**, 7, 7	2.8	12
46	Integrative analysis of polychaete ontogeny: cell proliferation patterns and myogenesis in trochophore larvae of Sabellaria alveolata. *Evolution & Development*, **2010**, 12, 5-15	2.6	15
45	Neuromuscular development in Novocrania anomala: evidence for the presence of serotonin and a spiralian-like apical organ in lecithotrophic brachiopod larvae. *Evolution & Development*, **2010**, 12, 16-24	2.6	37
44	FMRFamide gene and peptide expression during central nervous system development of the cephalopod mollusk, Idiosepius notoides. *Evolution & Development*, **2010**, 12, 113-30	2.6	36
43	Myogenesis in two polyclad platyhelminths with indirect development, Pseudoceros canadensis and Stylostomum sanjuania. *Evolution & Development*, **2010**, 12, 210-21	2.6	8
42	Sipunculans and segmentation. *Communicative and Integrative Biology*, **2009**, 2, 56-9	1.7	20

41	Neurogenesis suggests independent evolution of opercula in serpulid polychaetes. *BMC Evolutionary Biology*, **2009**, 9, 270	3	20
40	Three-dimensional reconstruction of the naupliar musculature and a scanning electron microscopy atlas of nauplius development of Balanus improvisus (Crustacea: Cirripedia: Thoracica). *Arthropod Structure and Development*, **2009**, 38, 135-45	1.8	14
39	Three-dimensional reconstruction of the musculature of various life cycle stages of the cycliophoran Symbion americanus. *Journal of Morphology*, **2009**, 270, 257-70	1.6	17
38	Myoanatomy of the marine tardigrade Halobiotus crispae (Eutardigrada: Hypsibiidae). *Journal of Morphology*, **2009**, 270, 996-1013	1.6	36
37	Comparative larval myogenesis and adult myoanatomy of the rhynchonelliform (articulate) brachiopods Argyrotheca cordata, A. cistellula, and Terebratalia transversa. *Frontiers in Zoology*, **2009**, 6, 3	2.8	21
36	Pygmy squids and giant brains: mapping the complex cephalopod CNS by phalloidin staining of vibratome sections and whole-mount preparations. *Journal of Neuroscience Methods*, **2009**, 179, 63-7	3	45
35	Shaping the things to come: ontogeny of lophotrochozoan neuromuscular systems and the tetraneuralia concept. *Biological Bulletin*, **2009**, 216, 293-306	1.5	81
34	Cycliophoran dwarf males break the rule: high complexity with low cell numbers. *Biological Bulletin*, **2009**, 217, 2-5	1.5	13
33	Larval neurogenesis in Sabellaria alveolata reveals plasticity in polychaete neural patterning. *Evolution & Development*, **2008**, 10, 606-18	2.6	43
32	Immunocytochemical studies on the naupliar nervous system of Balanus improvisus (Crustacea, Cirripedia, Thecostraca). *Arthropod Structure and Development*, **2008**, 37, 383-95	1.8	32
31	Segmental mode of neural patterning in sipuncula. *Current Biology*, **2008**, 18, 1129-32	6.3	82
30	Reconstruction of the neuromuscular system of the swimming-type larva of Loxosomella atkinsae (Entoprocta) as inferred by fluorescence labelling and confocal microscopy. *Organisms Diversity and Evolution*, **2008**, 8, 325-335	1.7	20
29	FMRFamide-like immunoreactivity in the central nervous system of the cephalopod mollusc, Idiosepius notoides. *Acta Biologica Hungarica*, **2008**, 59 Suppl, 111-6		24
28	Comparative lophotrochozoan neurogenesis and larval neuroanatomy: recent advances from previously neglected taxa. *Acta Biologica Hungarica*, **2008**, 59 Suppl, 127-36		32
27	The nervous system of the basal mollusk Wirenia argentea (Solenogastres): a study employing immunocytochemical and 3D reconstruction techniques. *Marine Biology Research*, **2008**, 4, 290-303	1	15
26	Molluscan Evolutionary Development **2008**, 427-445		7
25	Myogenesis in the basal bilaterian Symsagittifera roscoffensis (Acoela). *Frontiers in Zoology*, **2008**, 5, 14	2.8	24
24	Myogenesis in Aplysia californica (Cooper, 1863) (Mollusca, Gastropoda, Opisthobranchia) with special focus on muscular remodeling during metamorphosis. *Journal of Morphology*, **2008**, 269, 776-89	1.6	15

23	Early development of the aplacophoran mollusc Chaetoderma. *Acta Zoologica*, **2007**, 88, 231-247	0.8	45
22	On the fine structure of the creeping larva of Loxosomella murmanica: additional evidence for a clade of Kamptozoa (Entoprocta) and Mollusca. *Acta Zoologica*, **2007**, 89, 137-148	0.8	50
21	Anatomy of the serotonergic nervous system of an entoproct creeping-type larva and its phylogenetic implications. *Invertebrate Biology*, **2007**, 126, 268-278	1	57
20	Neurogenesis of cephalic sensory organs of Aplysia californica. *Cell and Tissue Research*, **2007**, 330, 361-79	4.2	19
19	The role of MAPK signaling in patterning and establishing axial symmetry in the gastropod Haliotis asinina. *Developmental Biology*, **2007**, 311, 200-12	3.1	47
18	Immunocytochemistry of the neuromuscular systems of Loxosomella vivipara and L. parguerensis (Entoprocta: Loxosomatidae). *Journal of Morphology*, **2006**, 267, 866-83	1.6	27
17	Preliminary results on the anatomy of the larval musculature of Balanus improvisus (Darwin, 1854) (Crustacea: Cirripedia: Thecostraca) using phalloidin staining in combination with confocal laserscanning microscopy. *Invertebrate Reproduction and Development*, **2006**, 49, 207-212	0.7	5
16	Torsion in Patella caerulea (Mollusca, Patellogastropoda): ontogenetic process, timing, and mechanisms. *Invertebrate Biology*, **2005**, 119, 177-187	1	28
15	Immunocytochemistry of the nervous system and the musculature of the chordoid larva of Symbion pandora (Cycliophora). *Journal of Morphology*, **2005**, 265, 237-43	1.6	31
14	Nervous and muscle system development in Phascolion strombus (Sipuncula). *Development Genes and Evolution*, **2005**, 215, 509-18	1.8	81
13	Immunocytochemistry and metamorphic fate of the larval nervous system of Triphyllozoon mucronatum (Ectoprocta: Gymnolaemata: Cheilostomata). *Zoomorphology*, **2005**, 124, 161-170	1	42
12	Myo-anatomy of juvenile and adult loxosomatid Entoprocta and the use of muscular body plans for phylogenetic inferences. *Journal of Morphology*, **2004**, 261, 249-57	1.6	26
11	The development of the serotonergic and FMRF-amidergic nervous system in Antalis entalis (Mollusca, Scaphopoda). *Zoomorphology*, **2003**, 122, 77-85	1	54
10	Muscle development in Antalis entalis (Mollusca, Scaphopoda) and its significance for scaphopod relationships. *Journal of Morphology*, **2002**, 254, 53-64	1.6	47
9	Neurogenesis in the mossy chiton, Mopalia muscosa (Gould) (Polyplacophora): evidence against molluscan metamerism. *Journal of Morphology*, **2002**, 253, 109-17	1.6	76
8	Chiton myogenesis: perspectives for the development and evolution of larval and adult muscle systems in molluscs. *Journal of Morphology*, **2002**, 251, 103-13	1.6	88
7	Fine structure and immunocytochemistry of a new chemosensory system in the Chiton larva (Mollusca: Polyplacophora). *Journal of Morphology*, **2002**, 251, 210-8	1.6	24
6	The protonephridial system of the tusk shell, Antalis entalis (Mollusca, Scaphopoda). *Zoomorphology*, **2001**, 121, 19-26	1	13

5	The expression of an engrailed protein during embryonic shell formation of the tusk-shell, Antalis entalis (Mollusca, Scaphopoda). *Evolution & Development*, **2001**, 3, 312-21	2.6	66
4	Molluscan muscle systems in development and evolution*. *Journal of Zoological Systematics and Evolutionary Research*, **2000**, 38, 157-163	1.9	48
3	Development of the musculature in the limpet Patella (Mollusca, Patellogastropoda). *Development Genes and Evolution*, **1999**, 209, 226-38	1.8	72
2	The development of the musculature in the limpet Patella with implications on its role in the process of ontogenetic torsion. *Invertebrate Reproduction and Development*, **1999**, 36, 211-215	0.7	29
1	The quagga mussel genome and the evolution of freshwater tolerance: Supplementary Material		3