

Steffen Harzsch

List of Publications by Year in descending order

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124
papers

5,012
citations

87888

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110387

64
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129
docs citations

129
times ranked

2497
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Systematic Nomenclature for the Insect Brain. <i>Neuron</i> , 2014, 81, 755-765. | 8.1 | 564 |
| 2 | Invertebrate neurophylogeny: suggested terms and definitions for a neuroanatomical glossary. <i>Frontiers in Zoology</i> , 2010, 7, 29. | 2.0 | 281 |
| 3 | Neurophylogeny: Architecture of the nervous system and a fresh view on arthropod phylogeny. <i>Integrative and Comparative Biology</i> , 2006, 46, 162-194. | 2.0 | 155 |
| 4 | From The Cover: The brain of the Remipedia (Crustacea) and an alternative hypothesis on their phylogenetic relationships. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3868-3873. | 7.1 | 135 |
| 5 | From variable to constant cell numbers: cellular characteristics of the arthropod nervous system argue against a sister-group relationship of Chelicerata and ?Myriapoda? but favour the Mandibulata concept. <i>Development Genes and Evolution</i> , 2005, 215, 53-68. | 0.9 | 126 |
| 6 | From Embryo to Adult: Persistent Neurogenesis and Apoptotic Cell Death Shape the Lobster Deutocerebrum. <i>Journal of Neuroscience</i> , 1999, 19, 3472-3485. | 3.6 | 123 |
| 7 | Potential and limitations of X-ray micro-computed tomography in arthropod neuroanatomy: A methodological and comparative survey. <i>Journal of Comparative Neurology</i> , 2015, 523, 1281-1295. | 1.6 | 113 |
| 8 | Brain architecture in the terrestrial hermit crab <i>Coenobita clypeatus</i> (Anomura, Coenobitidae), a crustacean with a good aerial sense of smell. <i>BMC Neuroscience</i> , 2008, 9, 58. | 1.9 | 103 |
| 9 | Comparative analysis of deutocerebral neuropils in Chilopoda (Myriapoda): implications for the evolution of the arthropod olfactory system and support for the Mandibulata concept. <i>BMC Neuroscience</i> , 2012, 13, 1-17. | 1.9 | 102 |
| 10 | Phylogenetic comparison of serotonin-immunoreactive neurons in representatives of the Chilopoda, Diplopoda, and Chelicerata: Implications for arthropod relationships. <i>Journal of Morphology</i> , 2004, 259, 198-213. | 1.2 | 99 |
| 11 | Ontogeny of the Marmorkrebs (marbled crayfish): a parthenogenetic crayfish with unknown origin and phylogenetic position. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 393-405. | 1.3 | 97 |
| 12 | The phylogenetic significance of crustacean optic neuropils and chiasmata: A re-examination. <i>Journal of Comparative Neurology</i> , 2002, 453, 10-21. | 1.6 | 95 |
| 13 | Neurogenesis in the thoracic neuromeres of two crustaceans with different types of metamorphic development. <i>Journal of Experimental Biology</i> , 1998, 201, 2465-2479. | 1.7 | 90 |
| 14 | Ontogeny of the ventral nerve cord in malacostracan crustaceans: a common plan for neuronal development in Crustacea, Hexapoda and other Arthropoda?. <i>Arthropod Structure and Development</i> , 2003, 32, 17-37. | 1.4 | 88 |
| 15 | An immunohistochemical study of structure and development of the nervous system in the brine shrimp <i>Artemia salina</i> Linnaeus, 1758 (Branchiopoda, Anostraca) with remarks on the evolution of the arthropod brain. <i>Arthropod Structure and Development</i> , 2002, 30, 251-270. | 1.4 | 79 |
| 16 | Early embryonic development of the central nervous system in the Australian crayfish and the Marbled crayfish (Marmorkrebs). <i>Development Genes and Evolution</i> , 2006, 216, 209-223. | 0.9 | 75 |
| 17 | A new look at embryonic development of the visual system in decapod crustaceans: Neuropil formation, neurogenesis, and apoptotic cell death. , 1999, 39, 294-306. | | 74 |
| 18 | Neurogenesis in the developing crab brain: Postembryonic generation of neurons persists beyond metamorphosis. , 1996, 29, 384-398. | | 71 |

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|----|---|-----|-----------|
| 19 | Serotonin-immunoreactive neurons in the ventral nerve cord of Crustacea: a character to study aspects of arthropod phylogeny. <i>Arthropod Structure and Development</i> , 2000, 29, 307-322. | 1.4 | 71 |
| 20 | Neurogenesis in the developing visual system of the branchiopod crustacean <i>Triops longicaudatus</i> (LeConte, 1846): corresponding patterns of compound-eye formation in Crustacea and Insecta?. <i>Development Genes and Evolution</i> , 2001, 211, 37-43. | 0.9 | 71 |
| 21 | Evolution of arthropod visual systems: Development of the eyes and central visual pathways in the horseshoe crab <i>Limulus polyphemus</i> Linnaeus, 1758 (Chelicerata, Xiphosura). <i>Developmental Dynamics</i> , 2006, 235, 2641-2655. | 1.8 | 71 |
| 22 | A brain atlas of <i>Godzillioognomus frondosus</i> Yager, 1989 (Remipedia, Godzilliidae) and comparison with the brain of <i>Speleonectes tulumensis</i> Yager, 1987 (Remipedia, Speleonectidae): implications for arthropod relationships. <i>Arthropod Structure and Development</i> , 2005, 34, 343-378. | 1.4 | 70 |
| 23 | Immunocytochemical detection of acetylated alpha-tubulin and <i>Drosophila</i> synapsin in the embryonic crustacean nervous system. <i>International Journal of Developmental Biology</i> , 1997, 41, 477-84. | 0.6 | 68 |
| 24 | A review of the biology and ecology of the Robber Crab, <i>Birgus latro</i> (Linnaeus, 1767) (Anomura). <i>Tj ETQqO O O rgBT /Overlock_10 Tf 50</i> | 0.9 | 67 |
| 25 | A new look at the ventral nerve centre of <i>Sagitta</i> : implications for the phylogenetic position of Chaetognatha (arrow worms) and the evolution of the bilaterian nervous system. <i>Frontiers in Zoology</i> , 2007, 4, 14. | 2.0 | 66 |
| 26 | Comparative Analysis of Neurogenesis in the Central Olfactory Pathway of Adult Decapod Crustaceans by In Vivo BrdU Labeling. <i>Biological Bulletin</i> , 1999, 196, 127-136. | 1.8 | 64 |
| 27 | Evolution of eye development in arthropods: Phylogenetic aspects. <i>Arthropod Structure and Development</i> , 2006, 35, 319-340. | 1.4 | 60 |
| 28 | Comparative brain architecture of the European shore crab <i>Carcinus maenas</i> (Brachyura) and the common hermit crab <i>Pagurus bernhardus</i> (Anomura) with notes on other marine hermit crabs. <i>Cell and Tissue Research</i> , 2012, 348, 47-69. | 2.9 | 57 |
| 29 | Crustacean olfactory systems: A comparative review and a crustacean perspective on olfaction in insects. <i>Progress in Neurobiology</i> , 2018, 161, 23-60. | 5.7 | 56 |
| 30 | Brain architecture of the largest living land arthropod, the Giant Robber Crab <i>Birgus latro</i> (Crustacea, Anomura, Coenobitidae): evidence for a prominent central olfactory pathway?. <i>Frontiers in Zoology</i> , 2010, 7, 25. | 2.0 | 55 |
| 31 | Neurogenesis in the crustacean ventral nerve cord: homology of neuronal stem cells in Malacostraca and Branchiopoda?. <i>Evolution & Development</i> , 2001, 3, 154-169. | 2.0 | 54 |
| 32 | Neuronal organization of the hemiellipsoid body of the land hermit crab, <i>Coenobita clypeatus</i> : Correspondence with the mushroom body ground pattern. <i>Journal of Comparative Neurology</i> , 2012, 520, 2824-2846. | 1.6 | 52 |
| 33 | Organization of Deutocerebral Neuropils and Olfactory Behavior in the Centipede <i>Scutigera coleoptrata</i> (Linnaeus, 1758) (Myriapoda: Chilopoda). <i>Chemical Senses</i> , 2011, 36, 43-61. | 2.0 | 50 |
| 34 | Immunolocalisation of crustacean-SIFamide in the median brain and eyestalk neuropils of the marbled crayfish. <i>Cell and Tissue Research</i> , 2007, 330, 331-344. | 2.9 | 49 |
| 35 | Immunohistochemical localization of neurotransmitters in the nervous system of larval <i>Limulus polyphemus</i> (Chelicerata, Xiphosura): evidence for a conserved protocerebral architecture in Euarthropoda. <i>Arthropod Structure and Development</i> , 2005, 34, 327-342. | 1.4 | 46 |
| 36 | Neurogenesis in the central olfactory pathway of adult decapod crustaceans: development of the neurogenic niche in the brains of procambarid crayfish. <i>Neural Development</i> , 2012, 7, 1. | 2.4 | 44 |

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|----|--|-----|-----------|
| 37 | Immunolocalization of serotonin in Onychophora argues against segmental ganglia being an ancestral feature of arthropods. <i>BMC Evolutionary Biology</i> , 2007, 7, 118. | 3.2 | 42 |
| 38 | Development of pigment-dispersing hormone-immunoreactive neurons in the American lobster: homology to the insect circadian pacemaker system?. <i>Cell and Tissue Research</i> , 2009, 335, 417-429. | 2.9 | 42 |
| 39 | Neurogenesis in larval stages of the spider crab <i>Hyas araneus</i> (Decapoda, Brachyura): proliferation of neuroblasts in the ventral nerve cord. <i>Roux's Archives of Developmental Biology</i> , 1994, 204, 93-100. | 1.2 | 39 |
| 40 | A developmental study of serotonin-immunoreactive neurons in the larval central nervous system of the spider crab <i>Hyas araneus</i> (Decapoda, Brachyura). <i>Invertebrate Neuroscience</i> , 1995, 1, 53-65. | 1.8 | 39 |
| 41 | A new look at an old visual system: structure and development of the compound eyes and optic ganglia of the brine shrimp <i>Artemia salina</i> Linnaeus, 1758 (Branchiopoda, Anostraca). <i>Journal of Neurobiology</i> , 2002, 52, 117-132. | 3.6 | 38 |
| 42 | Mechanisms of eye development and evolution of the arthropod visual system: The lateral eyes of myriapoda are not modified insect ommatidia. <i>Organisms Diversity and Evolution</i> , 2007, 7, 20-32. | 1.6 | 38 |
| 43 | The synganglion of the jumping spider <i>Marpissa muscosa</i> (Arachnida: Salticidae): Insights from histology, immunohistochemistry and microCT analysis. <i>Arthropod Structure and Development</i> , 2017, 46, 156-170. | 1.4 | 38 |
| 44 | Evolution of identified arthropod neurons: the serotonergic system in relation to engrailed-expressing cells in the embryonic ventral nerve cord of the American lobster <i>Homarus americanus</i> Milne Edwards, 1873 (Malacostraca, Pleocyemata, Homarida). <i>Developmental Biology</i> , 2003, 258, 44-56. | 2.0 | 36 |
| 45 | Distribution of serotonin in the trunk of <i>Metaperipatus blainvillei</i> (Onychophora). <i>Comparative Neurology</i> , 2008, 507, 1196-1208. | 1.6 | 36 |
| 46 | The tritocerebrum of Euarthropoda: a "non-drosophilocentric" perspective. <i>Evolution & Development</i> , 2004, 6, 303-309. | 2.0 | 34 |
| 47 | Transition from marine to terrestrial ecologies: Changes in olfactory and tritocerebral neuropils in land-living isopods. <i>Arthropod Structure and Development</i> , 2011, 40, 244-257. | 1.4 | 34 |
| 48 | Comparative analyses of olfactory systems in terrestrial crabs (Brachyura): evidence for aerial olfaction?. <i>PeerJ</i> , 2015, 3, e1433. | 2.0 | 34 |
| 49 | Embryonic development of the histaminergic system in the ventral nerve cord of the Marbled Crayfish (<i>Marmorkrebs</i>). <i>Tissue and Cell</i> , 2008, 40, 113-126. | 2.2 | 33 |
| 50 | The Malacostraca (Crustacea) from a neurophylogenetic perspective: New insights from brain architecture in <i>Nebalia herbstii</i> Leach, 1814 (Leptostraca, Phyllocarida). <i>Zoologischer Anzeiger</i> , 2013, 252, 319-336. | 0.9 | 33 |
| 51 | On the morphology of the central nervous system in larval stages of <i>Carcinus maenas</i> L. (Decapoda). <i>Journal of Neurobiology</i> , 2002, 50, 102-110. | 0.2 | 30 |
| 52 | Architectural Principles and Evolution of the Arthropod Central Nervous System. <i>Journal of Neurobiology</i> , 2013, 97, 299-342. | | 29 |
| 53 | Obesity Impairs Mobility and Adult Hippocampal Neurogenesis. <i>Journal of Experimental Neuroscience</i> , 2019, 13, 117906951988358. | 2.3 | 28 |
| 54 | Evolution of the arthropod neuromuscular system. 1. Arrangement of muscles and innervation in the walking legs of a scorpion: <i>Vaejovis spinigerus</i> (Wood, 1863) Vaejovidae, Scorpiones, Arachnida. <i>Arthropod Structure and Development</i> , 2002, 31, 185-202. | 1.4 | 27 |

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|----|--|-----|-----------|
| 55 | Serotonin-immunoreactive neurons in the ventral nerve cord of Remipedia (Crustacea): support for a sister group relationship of Remipedia and Hexapoda?. BMC Evolutionary Biology, 2013, 13, 119. | 3.2 | 27 |
| 56 | An atlas of larval organogenesis in the European shore crab <i>Carcinus maenas</i> L. (Decapoda, Brachyura). Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.0 | 26 |
| 57 | The Engrailed-expressing secondary head spots in the embryonic crayfish brain: examples for a group of homologous neurons in Crustacea and Hexapoda?. Development Genes and Evolution, 2007, 217, 791-799. | 0.9 | 25 |
| 58 | Immunolocalization of histamine in the optic neuropils of <i>Scutigera coleoptrata</i> (Myriapoda): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 2015, 594, 111-116. | 2.1 | 25 |
| 59 | Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i> . Journal of Comparative Neurology, 2020, 528, 1883-1902. | 1.6 | 25 |
| 60 | New insights into an ancient insect nose: The olfactory pathway of <i>Lepismachilis y-signata</i> (Archaeognatha: Machilidae). Arthropod Structure and Development, 2011, 40, 317-333. | 1.4 | 24 |
| 61 | Brain anatomy of the marine isopod <i>Saduria entomon</i> Linnaeus, 1758 (Valvifera, Isopoda) with special emphasis on the olfactory pathway. Frontiers in Neuroanatomy, 2013, 7, 32. | 1.7 | 24 |
| 62 | Muscle precursor cells in the developing limbs of two isopods (Crustacea, Peracarida): an immunohistochemical study using a novel monoclonal antibody against myosin heavy chain. Development Genes and Evolution, 2008, 218, 253-265. | 0.9 | 23 |
| 63 | Engrailed-like immunoreactivity in the embryonic ventral nerve cord of the Marbled Crayfish (Marmorikrebs). Invertebrate Neuroscience, 2008, 8, 177-197. | 1.8 | 22 |
| 64 | Serotonin immunoreactive interneurons in the brain of the Remipedia: new insights into the phylogenetic affinities of an enigmatic crustacean taxon. BMC Evolutionary Biology, 2012, 12, 168. | 3.2 | 22 |
| 65 | Neuroanatomy of the optic ganglia and central brain of the water flea <i>Daphnia magna</i> (Crustacea,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 2.9 | 22 |
| 66 | Development of Neurons Exhibiting Fmr/amide-Related Immunoreactivity in the Central Nervous System of Larvae of the Spider Crab <i>Hyas araneus</i> L. (Decapoda: Majidae). Journal of Crustacean Biology, 1996, 16, 10. | 0.8 | 20 |
| 67 | Evolution of the arthropod neuromuscular system. 2. Inhibitory innervation of the walking legs of a scorpion: <i>Vaejovis spinigerus</i> (Wood, 1863), Vaejovidae, Scorpiones, Arachnida. Arthropod Structure and Development, 2002, 31, 203-215. | 1.4 | 20 |
| 68 | Neuropeptide complexity in the crustacean central olfactory pathway: immunolocalization of A-type allatostatins and RFamide-like peptides in the brain of a terrestrial hermit crab. Molecular Brain, 2012, 5, 29. | 2.6 | 20 |
| 69 | Unmasking intraspecific variation in offspring responses to multiple environmental drivers. Marine Biology, 2019, 166, 1. | 1.5 | 20 |
| 70 | Giant Robber Crabs Monitored from Space: GPS-Based Telemetric Studies on Christmas Island (Indian) Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.5 | 20 |
| 71 | The Neurobiology of Ocean Change – insights from decapod crustaceans. Zoology, 2021, 144, 125887. | 1.2 | 19 |
| 72 | A developmental study of serotonin-immunoreactive neurons in the embryonic brain of the Marbled Crayfish and the Migratory Locust: Evidence for a homologous protocerebral group of neurons. Arthropod Structure and Development, 2013, 42, 507-520. | 1.4 | 18 |

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|----|--|-----|-----------|
| 73 | Physiological basis of interactive responses to temperature and salinity in coastal marine invertebrate: Implications for responses to warming. <i>Ecology and Evolution</i> , 2021, 11, 7042-7056. | 1.9 | 18 |
| 74 | Neurobiologie und Evolutionsforschung: "Neurophylogenie" und die Stammesgeschichte der Euarthropoda. <i>E-Neuroforum</i> , 2002, 8, 267-273. | 0.1 | 16 |
| 75 | Fine structure of the ventral nerve centre and interspecific identification of individual neurons in the enigmatic Chaetognatha. <i>Zoomorphology</i> , 2009, 128, 53-73. | 0.8 | 16 |
| 76 | Immunohistochemical analysis and 3D reconstruction of the cephalic nervous system in Chaetognatha: insights into the evolution of an early bilaterian brain?. <i>Invertebrate Biology</i> , 2010, 129, 77-104. | 0.9 | 16 |
| 77 | Serotonin-immunoreactive neurons in scorpion pectine neuropils: similarities to insect and crustacean primary olfactory centres?. <i>Zoology</i> , 2012, 115, 151-159. | 1.2 | 16 |
| 78 | Central projections of antennular chemosensory and mechanosensory afferents in the brain of the terrestrial hermit crab (<i>Coenobita clypeatus</i> ; Coenobitidae, Anomura). <i>Frontiers in Neuroanatomy</i> , 2015, 9, 94. | 1.7 | 16 |
| 79 | Brain architecture of the Pacific White Shrimp <i>Penaeus vannamei</i> Boone, 1931 (Malacostraca, Tj ETQq1 1 0.784314 rgBT /Overlock 10 2017, 369, 255-271. | 2.9 | 16 |
| 80 | Neuroanatomy of a hydrothermal vent shrimp provides insights into the evolution of crustacean integrative brain centers. <i>ELife</i> , 2019, 8, . | 6.0 | 16 |
| 81 | Myogenesis in the thoracic limbs of the American lobster. <i>Arthropod Structure and Development</i> , 2010, 39, 423-435. | 1.4 | 15 |
| 82 | Evolution of invertebrate nervous systems: the Chaetognatha as a case study. <i>Acta Zoologica</i> , 2010, 91, 35-43. | 0.8 | 15 |
| 83 | Development of the nervous system in hatchlings of <i>Spadella cephaloptera</i> (Chaetognatha), and implications for nervous system evolution in Bilateria. <i>Development Growth and Differentiation</i> , 2011, 53, 740-759. | 1.5 | 15 |
| 84 | The "amphi" brains of amphipods: new insights from the neuroanatomy of <i>Parhyale hawaiiensis</i> (Dana,) Tj ETQq0.0 0 rgBT /Overlock 15 | 2.0 | 15 |
| 85 | Masters of communication: The brain of the banded cleaner shrimp <i>Stenopus hispidus</i> (Olivier, 1811) with an emphasis on sensory processing areas. <i>Journal of Comparative Neurology</i> , 2020, 528, 1561-1587. | 1.6 | 15 |
| 86 | From Stem Cell to Structure: Neurogenesis in the CNS of Decapod Crustaceans. , 2002, , 417-432. | | 14 |
| 87 | A new look at embryonic development of the visual system in decapod crustaceans: neuropil formation, neurogenesis, and apoptotic cell death. <i>Journal of Neurobiology</i> , 1999, 39, 294-306. | 3.6 | 14 |
| 88 | An unusual case of a mutant lobster embryo with double brain and double ventral nerve cord. <i>Arthropod Structure and Development</i> , 2000, 29, 95-99. | 1.4 | 12 |
| 89 | 4 The Chaetognatha : An anarchistic taxon between Protostomia and Deuterostomia. , 2014, , 49-78. | | 12 |
| 90 | Exploring larval phenology as predictor for range expansion in an invasive species. <i>Ecography</i> , 2020, 43, 1423-1434. | 4.5 | 12 |

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|-----|---|-----|-----------|
| 91 | Methods to study organogenesis in decapod crustacean larvae. I. larval rearing, preparation, and fixation. <i>Helgoland Marine Research</i> , 2021, 75, . | 1.3 | 10 |
| 92 | On the sighted ancestry of blindness “ exceptionally preserved eyes of Mesozoic polychelidan lobsters. <i>Zoological Letters</i> , 2016, 2, 13. | 1.3 | 9 |
| 93 | ATP6AP2 over-expression causes morphological alterations in the hippocampus and in hippocampus-related behaviour. <i>Brain Structure and Function</i> , 2018, 223, 2287-2302. | 2.3 | 9 |
| 94 | Functional morphology of the primary olfactory centers in the brain of the hermit crab <i>Coenobita clypeatus</i> (Anomala, Coenobitidae). <i>Cell and Tissue Research</i> , 2020, 380, 449-467. | 2.9 | 9 |
| 95 | More than one way to smell ashore “ Evolution of the olfactory pathway in terrestrial malacostracan crustaceans. <i>Arthropod Structure and Development</i> , 2021, 60, 101022. | 1.4 | 9 |
| 96 | Neurogenesis in an Early Protostome Relative: Progenitor Cells in the Ventral Nerve Center of Chaetognath Hatchlings Are Arranged in a Highly Organized Geometrical Pattern. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013, 320, 179-193. | 1.3 | 8 |
| 97 | Immunohistochemical and ultrastructural studies on ciliary sense organs of arrow worms (Chaetognatha). <i>Zoomorphology</i> , 2014, 133, 167-189. | 0.8 | 8 |
| 98 | Adult neurogenesis in the central olfactory pathway of dendrobranchiate and caridean shrimps: New insights into the evolution of the deutocerebral proliferative system in reptant decapods. <i>Developmental Neurobiology</i> , 2018, 78, 757-774. | 3.0 | 8 |
| 99 | Methods to study organogenesis in decapod crustacean larvae II: analysing cells and tissues. <i>Helgoland Marine Research</i> , 2021, 75, . | 1.3 | 7 |
| 100 | Genealogical relationships of mushroom bodies, hemiellipsoid bodies, and their afferent pathways in the brains of Pancrustacea: Recent progress and open questions. <i>Arthropod Structure and Development</i> , 2021, 65, 101100. | 1.4 | 7 |
| 101 | What nymphal morphology can tell us about parental investment “ a group of cockroach hatchlings in Baltic amber documented by a multi-method approach. <i>Palaeontologia Electronica</i> , 0, , . | 0.9 | 7 |
| 102 | The Neural and Behavioral Basis of Chemical Communication in Terrestrial Crustaceans. , 2010, , 149-173. | | 6 |
| 103 | Heading which way? Y-maze chemical assays: not all crustaceans are alike. <i>Helgoland Marine Research</i> , 2015, 69, 305-311. | 1.3 | 6 |
| 104 | “Crustacea“ Decapoda “ Astacida. , 2015, , 101-151. | | 6 |
| 105 | Chaetognatha. , 2015, , 215-240. | | 5 |
| 106 | Crustaceans in a changing world. <i>Zoology</i> , 2021, 146, 125921. | 1.2 | 5 |
| 107 | Histochemistry on vibratome sections of fish tissue: a comparison of fixation and embedding methods. <i>Aquatic Biology</i> , 2015, 23, 251-263. | 1.4 | 5 |
| 108 | Quantifying the portfolio of larval responses to salinity and temperature in a coastal-marine invertebrate: a cross population study along the European coast. <i>Marine Biology</i> , 2022, 169, . | 1.5 | 5 |

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|-----|---|-----|-----------|
| 109 | A possible role for the immune system in adult neurogenesis: new insights from an invertebrate model. <i>Zoology</i> , 2016, 119, 153-157. | 1.2 | 4 |
| 110 | Contrasting offspring responses to variation in salinity and temperature among populations of a coastal crab: A maladaptive ecological surprise?. <i>Marine Ecology - Progress Series</i> , 2021, 677, 51-65. | 1.9 | 4 |
| 111 | The NOVA project: maximizing beam time efficiency through synergistic analyses of SR ¹ / ₄ CT data. , 2017, , . | | 4 |
| 112 | Arachnida (Excluding Scorpiones). , 2015, , 453-477. | | 3 |
| 113 | Notes on the Foraging Strategies of the Giant Robber Crab (<i>Anomala</i>) on Christmas Island: Evidence for Active Predation on Red Crabs (<i>Brachyura</i>). <i>Zoological Studies</i> , 2016, 55, e6. | 0.3 | 3 |
| 114 | 7. Chaetognatha. , 2018, , 163-282. | | 3 |
| 115 | Development of the arthropod nervous system: variations on a common theme?. <i>Arthropod Structure and Development</i> , 2003, 32, 3-4. | 1.4 | 2 |
| 116 | Acetoin, a key odor for resource location in the giant robber crab, <i>Birgus latro</i> . <i>Journal of Experimental Biology</i> , 2019, 222, . | 1.7 | 2 |
| 117 | Immunolocalization of Neurotransmitters and Neuromodulators in the Developing Crayfish Brain. <i>Methods in Molecular Biology</i> , 2020, 2047, 271-291. | 0.9 | 2 |
| 118 | Xiphosura. , 2015, , 428-442. | | 2 |
| 119 | Local olfactory interneurons provide the basis for neurochemical regionalization of olfactory glomeruli in crustaceans. <i>Journal of Comparative Neurology</i> , 2022, 530, 1399-1422. | 1.6 | 2 |
| 120 | Origin and evolution of arthropod visual systems. <i>Arthropod Structure and Development</i> , 2006, 35, 209-210. | 1.4 | 1 |
| 121 | Neurogenesis in the developing crab brain: Postembryonic generation of neurons persists beyond metamorphosis. <i>Journal of Neurobiology</i> , 1996, 29, 384-398. | 3.6 | 1 |
| 122 | A new look at embryonic development of the visual system in decapod crustaceans: Neuropil formation, neurogenesis, and apoptotic cell death. <i>Journal of Neurobiology</i> , 1999, 39, 294. | 3.6 | 1 |
| 123 | Remipedia. , 2015, , 522-528. | | 1 |
| 124 | Exploring brain diversity in crustaceans: sensory systems of deep vent shrimps. <i>Neuroforum</i> , 2020, 26, 73-84. | 0.3 | 0 |