

Andy Sombke

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36
papers

569
citations

13
h-index

23
g-index

39
ext. papers

675
ext. citations

3.1
avg, IF

3.99
L-index

#	Paper	IF	Citations
36	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, 1281-95	3.4	93
35	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	3.2	62
34	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	4.2	48
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	4.8	45
32	The assassin bug <i>Pristhesancus plagipennis</i> produces two distinct venoms in separate gland lumens. <i>Nature Communications</i> , 2018 , 9, 755	17.4	43
31	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	1.8	28
30	Architectural Principles and Evolution of the Arthropod Central Nervous System 2013 , 299-342		27
29	Immunolocalization of histamine in the optic neuropils of <i>Scutigera coleoptrata</i> (Myriapoda: Chilopoda) reveals the basal organization of visual systems in Mandibulata. <i>Neuroscience Letters</i> , 2015 , 594, 111-6	3.3	24
28	The fine structure of the eyes of some bristly millipedes (Penicillata, Diplopoda): additional support for the homology of mandibulate ommatidia. <i>Arthropod Structure and Development</i> , 2007 , 36, 463-76	1.8	21
27	A centipede nymph in Baltic amber and a new approach to document amber fossils. <i>Organisms Diversity and Evolution</i> , 2013 , 13, 425-432	1.7	20
26	An atlas of larval organogenesis in the European shore crab L. (Decapoda, Brachyura, Portunidae). <i>Frontiers in Zoology</i> , 2018 , 15, 27	2.8	16
25	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i> . <i>Journal of Comparative Neurology</i> , 2020 , 528, 1883-1902	3.4	13
24	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	1	13
23	The ultimate legs of Chilopoda (Myriapoda): a review on their morphological disparity and functional variability. <i>PeerJ</i> , 2017 , 5, e4023	3.1	12
22	Early environmental conditions affect the volume of higher-order brain centers in a jumping spider. <i>Journal of Zoology</i> , 2018 , 304, 182-192	2	12
21	The source of chilopod sensory information: external structure and distribution of antennal sensilla in <i>Scutigera coleoptrata</i> (Chilopoda, Scutigeraomorpha). <i>Journal of Morphology</i> , 2011 , 272, 1376-87	1.6	11
20	The "amphi"-brains of amphipods: new insights from the neuroanatomy of (<i>Dana</i> , 1853). <i>Frontiers in Zoology</i> , 2019 , 16, 30	2.8	10

19	The evolution of centipede venom claws - open questions and possible answers. <i>Arthropod Structure and Development</i> , 2014 , 43, 5-16	1.8	10
18	Reconstructing the anterior part of the nervous system of <i>Gordius aquaticus</i> (Nematomorpha, cycloneuralia) by a multimethodological approach. <i>Journal of Morphology</i> , 2017 , 278, 106-118	1.6	9
17	Serotonergic neurons in the ventral nerve cord of Chilopoda - a mandibulate pattern of individually identifiable neurons. <i>Zoological Letters</i> , 2017 , 3, 9	3	8
16	Primary processing neuropils associated with the malleoli of camel spiders (Arachnida, Solifugae): a re-evaluation of axonal pathways. <i>Zoological Letters</i> , 2019 , 5, 26	3	6
15	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar,. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
14	Comparative morphology of ultimate and walking legs in the centipede (Myriapoda) with functional implications. <i>Zoological Letters</i> , 2019 , 5, 3	3	3
13	Structure and distribution of antennal sensilla in the centipede <i>Scolopendra oraniensis</i> (Lucas, 1846) (Chilopoda, Scolopendromorpha). <i>Zoologischer Anzeiger</i> , 2013 , 252, 217-225	1.1	3
12	Interaction of the tracheal tubules of <i>Scutigera coleoptrata</i> (Chilopoda, Notostigmophora) with glandular structures of the pericardial septum. <i>ZooKeys</i> , 2015 , 233-42	1.2	3
11	The tracheal system of scutigera-like centipedes and the evolution of respiratory systems of myriapods. <i>Arthropod Structure and Development</i> , 2021 , 60, 101006	1.8	3
10	Structure and distribution of antennal sensilla in <i>Oranomorpha guerinii</i> (Gervais, 1837) (Diplopoda, Polydesmida). <i>Arthropod Structure and Development</i> , 2014 , 43, 77-86	1.8	2
9	Sensing more than the bathroom: sensilla on the antennae, cerci and styli of the silverfish <i>Lepisma saccharina</i> Linnaeus, 1758 (Zygentoma: Lepismatidae). <i>Entomologia Generalis</i> , 2016 , 36, 71-89	5.3	2
8	<i>Xiphosura</i> 2015 , 428-442		2
7	Arachnida (Excluding Scorpiones) 2015 , 453-477		2
6	A reversal in sensory processing accompanies ongoing ecological divergence and speciation in. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210192	4.4	2
5	When SEM becomes a deceptive tool of analysis: the unexpected discovery of epidermal glands with stalked ducts on the ultimate legs of geophilomorph centipedes. <i>Frontiers in Zoology</i> , 2021 , 18, 17	2.8	2
4	Immunohistochemical analysis of the anterior nervous system of the free-living nematode <i>Plectus</i> spp. (Nematoda, Plectidae). <i>Zoomorphology</i> , 2017 , 136, 175-190	1	1
3	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i>		1
2	The brains of amphipods: New insights from the neuroanatomy of <i>Parhyale hawaiensis</i> (Dana, 1853)		1

- 1 The antennal scape organ of *Scutigera coleoptrata* (Myriapoda) and a new type of arthropod tip-pore sensilla integrating scolopidial components. *Frontiers in Zoology*, **2021**, 18, 57 2.8