

Andy Sombke

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

784
citations

623574

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docs citations

39
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774
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.9	113
2	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.	0.8	102
3	The assassin bug <i>Pristhesancus plagipennis</i> produces two distinct venoms in separate gland lumens. <i>Nature Communications</i> , 2018, 9, 755.	5.8	67
4	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.	1.5	57
5	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.	1.1	50
6	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.	0.8	38
7	A centipede nymph in Baltic amber and a new approach to document amber fossils. <i>Organisms Diversity and Evolution</i> , 2013, 13, 425-432.	0.7	32
8	Architectural Principles and Evolution of the Arthropod Central Nervous System. , 2013, , 299-342.		29
9	An atlas of larval organogenesis in the European shore crab <i>Carcinus maenas</i> L. (Decapoda, Brachyura.) <i>Tj ETQq1 1 0,784314 rgBT /O</i>	0.9	26
10	Immunolocalization of histamine in the optic neuropils of <i>Scutigera coleoptrata</i> (Myriapoda): <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387</i> 2015, 594, 111-116.	1.0	25
11	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i> . <i>Journal of Comparative Neurology</i> , 2020, 528, 1883-1902.	0.9	25
12	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, 463-476.	0.8	22
13	Early environmental conditions affect the volume of higher-order brain centers in a jumping spider. <i>Journal of Zoology</i> , 2018, 304, 182-192.	0.8	19
14	The evolution of centipede venom claws – Open questions and possible answers. <i>Arthropod Structure and Development</i> , 2014, 43, 5-16.	0.8	17
15	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar, <i>Doratifera vulnerans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
16	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.	0.3	16
17	The ultimate legs of Chilopoda (Myriapoda): a review on their morphological disparity and functional variability. <i>PeerJ</i> , 2017, 5, e4023.	0.9	16
18	The amphipod brains of amphipods: new insights from the neuroanatomy of <i>Parhyale hawaiiensis</i> (Dana.) <i>Tj ETQq0,0 0 rgBT /Overlock</i>	0.9	15

#	ARTICLE	IF	CITATIONS
19	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, 1376-1387.	0.6	12
20	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.	0.7	12
21	Reconstructing the anterior part of the nervous system of <i>Gordius aquaticus</i> (Nematomorpha). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	0.6	9
22	Serotonergic neurons in the ventral nerve cord of Chilopoda – a mandibulate pattern of individually identifiable neurons. <i>Zoological Letters</i> , 2017, 3, 9.	0.7	8
23	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.	0.9	7
24	Morphology and evolution of Myriapoda. <i>Arthropod Structure and Development</i> , 2014, 43, 3-4.	0.8	6
25	Comparative morphology of ultimate and walking legs in the centipede <i>Lithobius forficatus</i> (Myriapoda) with functional implications. <i>Zoological Letters</i> , 2019, 5, 3.	0.7	6
26	A reversal in sensory processing accompanies ongoing ecological divergence and speciation in <i>Rhagoletis pomonella</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210192.	1.2	5
27	Structure and distribution of antennal sensilla in <i>Oranomorpha guerinii</i> (Gervais, 1837) (Diplopoda). <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	0.8	4
28	The tracheal system of scutigeraomorph centipedes and the evolution of respiratory systems of myriapods. <i>Arthropod Structure and Development</i> , 2021, 60, 101006.	0.8	4
29	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.	1.1	4
30	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.	0.4	3
31	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.	0.4	3
32	Arachnida (Excluding Scorpiones). , 2015, , 453-477.		3
33	Interaction of the tracheal tubules of <i>Scutigera coleoptrata</i> (Chilopoda, Notostigmophora) with glandular structures of the pericardial septum. <i>ZooKeys</i> , 2015, 510, 233-242.	0.5	3
34	A comparative analysis of the nervous system of cheilostome bryozoans. <i>BMC Zoology</i> , 2021, 6, .	0.3	2
35	Xiphosura. , 2015, , 428-442.		2
36	Myriapoda. , 2015, , 478-491.		2

#	ARTICLE	IF	CITATIONS
37	The antennal scape organ of <i>Scutigera coleoptrata</i> (Myriapoda) and a new type of arthropod tip-pore sensilla integrating scolopidial components. <i>Frontiers in Zoology</i> , 2021, 18, 57.	0.9	0