

# Andy Sombke

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2021</b> , 18, 57	2.8	
35	A reversal in sensory processing accompanies ongoing ecological divergence and speciation in. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20210192	4.4	2
34	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> , <b>2021</b> , 118,	11.5	4
33	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> , <b>2021</b> , 18, 17	2.8	2
32	The tracheal system of scutigera-like centipedes and the evolution of respiratory systems of myriapods. <i>Arthropod Structure and Development</i> , <b>2021</b> , 60, 101006	1.8	3
31	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i> . <i>Journal of Comparative Neurology</i> , <b>2020</b> , 528, 1883-1902	3.4	13
30	Comparative morphology of ultimate and walking legs in the centipede (Myriapoda) with functional implications. <i>Zoological Letters</i> , <b>2019</b> , 5, 3	3	3
29	The "amphi"-brains of amphipods: new insights from the neuroanatomy of (Dana, 1853). <i>Frontiers in Zoology</i> , <b>2019</b> , 16, 30	2.8	10
28	Primary processing neuropils associated with the malleoli of camel spiders (Arachnida, Solifugae): a re-evaluation of axonal pathways. <i>Zoological Letters</i> , <b>2019</b> , 5, 26	3	6
27	The assassin bug <i>Pristhesancus plagipennis</i> produces two distinct venoms in separate gland lumens. <i>Nature Communications</i> , <b>2018</b> , 9, 755	17.4	43
26	Early environmental conditions affect the volume of higher-order brain centers in a jumping spider. <i>Journal of Zoology</i> , <b>2018</b> , 304, 182-192	2	12
25	An atlas of larval organogenesis in the European shore crab L. (Decapoda, Brachyura, Portunidae). <i>Frontiers in Zoology</i> , <b>2018</b> , 15, 27	2.8	16
24	Immunohistochemical analysis of the anterior nervous system of the free-living nematode <i>Plectus</i> spp. (Nematoda, Plectidae). <i>Zoomorphology</i> , <b>2017</b> , 136, 175-190	1	1
23	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> , <b>2017</b> , 46, 156-170	1.8	28
22	Serotonergic neurons in the ventral nerve cord of Chilopoda - a mandibulate pattern of individually identifiable neurons. <i>Zoological Letters</i> , <b>2017</b> , 3, 9	3	8
21	The ultimate legs of Chilopoda (Myriapoda): a review on their morphological disparity and functional variability. <i>PeerJ</i> , <b>2017</b> , 5, e4023	3.1	12
20	Reconstructing the anterior part of the nervous system of <i>Gordius aquaticus</i> (Nematomorpha, cycloneuralia) by a multimethodological approach. <i>Journal of Morphology</i> , <b>2017</b> , 278, 106-118	1.6	9

19	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> , <b>2016</b> , 36, 71-89	5.3	2
18	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> , <b>2015</b> , 594, 111-6	3.3	24
17	Potential and limitations of X-Ray micro-computed tomography in arthropod neuroanatomy: a methodological and comparative survey. <i>Journal of Comparative Neurology</i> , <b>2015</b> , 523, 1281-95	3.4	93
16	Interaction of the tracheal tubules of <i>Scutigera coleoptrata</i> (Chilopoda, Notostigmophora) with glandular structures of the pericardial septum. <i>ZooKeys</i> , <b>2015</b> , 233-42	1.2	3
15	Xiphosura <b>2015</b> , 428-442		2
14	Arachnida (Excluding Scorpiones) <b>2015</b> , 453-477		2
13	The evolution of centipede venom claws - open questions and possible answers. <i>Arthropod Structure and Development</i> , <b>2014</b> , 43, 5-16	1.8	10
12	Structure and distribution of antennal sensilla in <i>Oranomorpha guerinii</i> (Gervais, 1837) (Diplopoda, Polydesmida). <i>Arthropod Structure and Development</i> , <b>2014</b> , 43, 77-86	1.8	2
11	A centipede nymph in Baltic amber and a new approach to document amber fossils. <i>Organisms Diversity and Evolution</i> , <b>2013</b> , 13, 425-432	1.7	20
10	Structure and distribution of antennal sensilla in the centipede <i>Scolopendra oraniensis</i> (Lucas, 1846) (Chilopoda, Scolopendromorpha). <i>Zoologischer Anzeiger</i> , <b>2013</b> , 252, 217-225	1.1	3
9	Architectural Principles and Evolution of the Arthropod Central Nervous System <b>2013</b> , 299-342		27
8	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> , <b>2012</b> , 13, 1-17	3.2	62
7	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> , <b>2012</b> , 348, 47-69	4.2	48
6	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> , <b>2011</b> , 272, 1376-87	1.6	11
5	Organization of deutocerebral neuropils and olfactory behavior in the centipede <i>Scutigera coleoptrata</i> (Linnaeus, 1758) (Myriapoda: Chilopoda). <i>Chemical Senses</i> , <b>2011</b> , 36, 43-61	4.8	45
4	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> , <b>2010</b> , 129, 77-104	1	13
3	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> , <b>2007</b> , 36, 463-76	1.8	21
2	Visual pathways in the brain of the jumping spider <i>Marpissa muscosa</i>		1

1 The Amphipods of amphipods: New insights from the neuroanatomy of *Parhyale hawaiiensis* (Dana, 1853)

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