

Alexander Blanke

List of Publications by Citations

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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.

34
papers

1,989
citations

13
h-index

41
g-index

41
ext. papers

2,512
ext. citations

5
avg, IF

4.14
L-index

#	Paper	IF	Citations
34	Phylogenomics resolves the timing and pattern of insect evolution. <i>Science</i> , 2014 , 346, 763-7	33.3	1489
33	The first venomous crustacean revealed by transcriptomics and functional morphology: remipedes venom glands express a unique toxin cocktail dominated by enzymes and a neurotoxin. <i>Molecular Biology and Evolution</i> , 2014 , 31, 48-58	8.3	70
32	Revival of Palaeoptera-head characters support a monophyletic origin of Odonata and Ephemeroptera (Insecta). <i>Cladistics</i> , 2012 , 28, 560-581	3.5	63
31	Revival of forgotten characters and modern imaging techniques help to produce a robust phylogeny of the Diplopoda (Arthropoda, Myriapoda). <i>Arthropod Structure and Development</i> , 2014 , 43, 63-75	1.8	40
30	An updated phylogeny of Anisoptera including formal convergence analysis of morphological characters. <i>Systematic Entomology</i> , 2013 , 38, 474-490	3.4	31
29	Reanalyzing the Palaeoptera problem - The origin of insect flight remains obscure. <i>Arthropod Structure and Development</i> , 2018 , 47, 328-338	1.8	29
28	The identification of concerted convergence in insect heads corroborates palaeoptera. <i>Systematic Biology</i> , 2013 , 62, 250-63	8.4	25
27	Head morphology of <i>Tricholepidion gertschi</i> indicates monophyletic <i>Zygentoma</i> . <i>Frontiers in Zoology</i> , 2014 , 11, 16	2.8	23
26	A Dipteran's Novel Sucker Punch: Evolution of Arthropod Atypical Venom with a Neurotoxic Component in Robber Flies (Asilidae, Diptera). <i>Toxins</i> , 2018 , 10,	4.9	22
25	Mandibles with two joints evolved much earlier in the history of insects: dicondylism is a synapomorphy of bristletails, silverfish and winged insects. <i>Systematic Entomology</i> , 2015 , 40, 357-364	3.4	18
24	Evolutionary ecology of beta-lactam gene clusters in animals. <i>Molecular Ecology</i> , 2017 , 26, 3217-3229	5.7	16
23	The head anatomy of <i>Epiophlebia superstes</i> (Odonata: Epiophlebiidae). <i>Organisms Diversity and Evolution</i> , 2013 , 13, 55-66	1.7	16
22	Computational biomechanics changes our view on insect head evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	13
21	Musculoskeletal modelling of the dragonfly mandible system as an aid to understanding the role of single muscles in an evolutionary context. <i>Journal of Experimental Biology</i> , 2016 , 219, 1041-9	3	13
20	Coding characters from different life stages for phylogenetic reconstruction: a case study on dragonfly adults and larvae, including a description of the larval head anatomy of <i>Epiophlebia superstes</i> (Odonata: Epiophlebiidae). <i>Zoological Journal of the Linnean Society</i> , 2015 , 174, 718-732	2.4	13
19	Analysis of modularity and integration suggests evolution of dragonfly wing venation mainly in response to functional demands. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	13
18	Structural mouthpart interaction evolved already in the earliest lineages of insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20151033	4.4	11

17	Location and arrangement of campaniform sensilla in <i>Drosophila melanogaster</i> . <i>Journal of Comparative Neurology</i> , 2021 , 529, 905-925	3.4	11
16	Four myriapod relatives - but who are sisters? No end to debates on relationships among the four major myriapod subgroups. <i>BMC Evolutionary Biology</i> , 2020 , 20, 144	3	10
15	Musculoskeletal modelling under an evolutionary perspective: deciphering the role of single muscle regions in closely related insects. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	10
14	Form-function relationships in dragonfly mandibles under an evolutionary perspective. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	9
13	The loss of flight in ant workers enabled an evolutionary redesign of the thorax for ground labour. <i>Frontiers in Zoology</i> , 2020 , 17, 33	2.8	8
12	A biological switching valve evolved in the female of a sex-role reversed cave insect to receive multiple seminal packages. <i>ELife</i> , 2018 , 7,	8.9	6
11	The Early Evolution of Biting-Chewing Performance in Hexapoda. <i>Zoological Monographs</i> , 2019 , 175-202	0.9	5
10	A biomechanical analysis of prognathous and orthognathous insect head capsules: evidence for a many-to-one mapping of form to function. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 665-674	2.3	4
9	Age-dependent male mating tactics in a spider mite-A life-history perspective. <i>Ecology and Evolution</i> , 2016 , 6, 7367-7374	2.8	4
8	The homology of cephalic muscles and endoskeletal elements between Diplura and Ectognatha (Insecta). <i>Organisms Diversity and Evolution</i> , 2016 , 16, 241-257	1.7	4
7	First steps toward suctorial feeding in millipedes: Comparative morphology of the head of the <i>Platydesmida</i> (Diplopoda: Colobognatha). <i>Invertebrate Biology</i> , 2021 , 140, e12312	1	2
6	Suspension feeders: diversity, principles of particle separation and biomimetic potential.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210741	4.1	1
5	The NOVA project: maximizing beam time efficiency through synergistic analyses of SRCT data 2017 ,		1
4	Juvenile ecology drives adult morphology in two insect orders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210616	4.4	1
3	Neuromodulation Can Be Simple: Myoinhibitory Peptide, Contained in Dedicated Regulatory Pathways, Is the Only Neurally-Mediated Peptide Modulator of Stick Insect Leg Muscle. <i>Journal of Neuroscience</i> , 2021 , 41, 2911-2929	6.6	1
2	A previously unknown feeding mode in millipedes and the convergence of fluid feeding across arthropods.. <i>Science Advances</i> , 2022 , 8, eabm0577	14.3	1
1	Ultra high-resolution biomechanics suggest that substructures within insect mechanosensors decisively affect their sensitivity.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20220102	4.1	1