Sebastian BÃ¼sse

List of Publications by Year
in descending order

35 papers	461 citations	687220 13 h-index	839398 18 g-index
39 all docs	39 docs citations	39 times ranked	370 citing authors

#	Article	IF	Citations
1	The exceptional attachment ability of the ectoparasitic bee louse Braula coeca (Diptera,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	13
2	A controllable dual-catapult system inspired by the biomechanics of the dragonfly larvaeâ€™s predatory strike. Science Robotics, 2021, 6, .	9.9	19
3	Functional morphology of the raptorial forelegs in Mantispa styriaca (Insecta: Neuroptera). Zoomorphology, 2021, 140, 231-241.	0.4	8
4	Evolutionary morphology of the antennal heart in stick and leaf insects (Phasmatodea) and webspinners (Embioptera) (Insecta: Eukinolabia). Zoomorphology, 2021, 140, 331-340.	0.4	1
5	The toolkit of a hunter â€“ functional morphology of larval mouthparts in a dragonfly. Journal of Zoology, 2021, 315, 247-260.	0.8	4
6	Sand-throwing behaviour in pit-building antlion larvae: insights from finite-element modelling. Journal of the Royal Society Interface, 2021, 18, 20210539.	1.5	13
7	Illuminating natureâ€™s beauty: modular, scalable and low-cost LED dome illumination system using 3D-printing technology. Scientific Reports, 2020, 10, 12172.	1.6	8
8	Comparative epidermal microstructure anatomy and limb and tail osteology of eyelid geckos (Squamata: Eublepharidae): Implications of ecomorphological adaptations. Zoologischer Anzeiger, 2020, 287, 45-60.	0.4	10
9	Step by step and frame by frame â€“ Workflow for efficient motion tracking of high-speed movements in animals. Zoology, 2020, 141, 125800.	0.6	11
10	An Analysis by Synthesis Method that Allows Accurate Spatial Modeling of Thickness of Cortical Bone from Clinical QCT. Lecture Notes in Computer Science, 2020, , 641-651.	1.0	0
11	The thoracic anatomy of the swift louseflyCrataerina pallida(Diptera)â€”functional implications and character evolution in Hippoboscoidea. Zoological Journal of the Linnean Society, 2019, 185, 111-131.	1.0	9
12	Adaptations of dragonfly larvae and their exuviae (Insecta: Odonata), attachment devices and their crucial role during emergence. Journal of Insect Physiology, 2019, 117, 103914.	0.9	6
13	Measurement error in Î¼ CT â€based threeâ€dimensional geometric morphometrics introduced by surface generation and landmark data acquisition. Journal of Anatomy, 2019, 235, 357-378.	0.9	9
14	Resilin in the flight apparatus of Odonata (Insecta)â€”cap tendons and their biomechanical importance for flight. Biology Letters, 2019, 15, 20190127.	1.0	17
15	Pressure-induced silk spinning mechanism in webspinners (Insecta: Embioptera). Soft Matter, 2019, 15, 9742-9750.	1.2	14
16	On the thoracic anatomy of the Madagascan Heterogyrus milloti and the phylogeny of Gyrinidae (Coleoptera). Systematic Entomology, 2019, 44, 336-360.	1.7	9
17	Holding tight on feathers - structural specializations and attachment properties of the avian ectoparasiteCrataerina pallida(Diptera, Hippoboscidae). Journal of Experimental Biology, 2018, 221, .	0.8	36
18	The phylogenetic relevance of thoracic musculature: a case study including a description of the thorax anatomy of Z ygoptera (I nsecta: O donata) larvae. Systematic Entomology, 2018, 43, 31-42.	1.7	4

#	Article	IF	Citations
19	Bio-inspired design and movement generation of dung beetle-like legs. Artificial Life and Robotics, 2018, 23, 555-563.	0.7	7
20	The legs of â€œspider associatedâ€•parasitic primary larvae of Mantispa aphavexelte (Mantispidae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Development, 2018, 47, 449-456.	0.8	18
21	Comparative morphology of the thorax musculature of adult Anisoptera (Insecta: Odonata): Functional aspects of the flight apparatus. Arthropod Structure and Development, 2018, 47, 430-441.	0.8	16
22	Material composition of the mouthpart cuticle in a damselfly larva (Insecta: Odonata) and its biomechanical significance. Royal Society Open Science, 2018, 5, 172117.	1.1	49
23	Note on using nuclear 28S rDNA for sequencing ancient and strongly degraded insect DNA. Entomological Science, 2017, 20, 137-141.	0.3	7
24	The head morphology of Pyrrhosoma nymphula larvae (Odonata: Zygoptera) focusing on functional aspects of the mouthparts. Frontiers in Zoology, 2017, 14, 25.	0.9	16
25	Larva, nymph and naiadÂâ€“Âa response to the replies to Bybee et al. (2015) and the results of a survey within the entomological community. Systematic Entomology, 2017, 42, 11-14.	1.7	6
26	Three-dimensional reconstruction on cell level: case study elucidates the ultrastructure of the spinning apparatus of Embia sp. (Insecta: Embioptera). Royal Society Open Science, 2016, 3, 160563.	1.1	7
27	Morphological re-examination ofEpiophlebia laidlawi(Insecta: Odonata) including remarks on taxonomy. International Journal of Odonatology, 2016, 19, 221-238.	0.5	10
28	For consistency's sake: the precise use of larva, nymph and naiad within Insecta. Systematic Entomology, 2015, 40, 667-670.	1.7	19
29	The thorax morphology of Epiophlebia (Insecta: Odonata) nymphs â€“ including remarks on ontogenesis and evolution. Scientific Reports, 2015, 5, 12835.	1.6	17
30	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 ofEpiophlebia superstes(Odonata: Epiophlebiidae). Zoological Journal of the Linnean Society, 2015, 174, 718-732.	1.0	20
31	The spinning apparatus of webspinners â€“ functional-morphology, morphometrics and spinning behaviour. Scientific Reports, 2015, 5, 9986.	1.6	22
32	The thorax musculature of Anisoptera (Insecta: Odonata) nymphs and its evolutionary relevance. BMC Evolutionary Biology, 2013, 13, 237.	3.2	14
33	Homologization of the Flight Musculature of Zygoptera (Insecta: Odonata) and Neoptera (Insecta). PLoS ONE, 2013, 8, e55787.	1.1	14
34	Spinning behaviour and morphology of the spinning glands in male and female Aposthonia ceylonica (Enderlein, 1912) (Embioptera: Oligotomidae). Zoologischer Anzeiger, 2012, 251, 297-306.	0.4	11
35	Phylogeographic Analysis Elucidates the Influence of the Ice Ages on the Disjunct Distribution of Relict Dragonflies in Asia. PLoS ONE, 2012, 7, e38132.	1.1	13