

Beth Mortimer

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.

24
papers

392
citations

12
h-index

19
g-index

26
ext. papers

484
ext. citations

4.8
avg, IF

4.34
L-index

#	Paper	IF	Citations
24	Slit sense organ distribution on the legs of two species of orb-weaving spider (Araneae: Araneidae).. <i>Arthropod Structure and Development</i> , 2022 , 67, 101140	1.8	
23	Dynamic environments do not appear to constrain spider web building behaviour. <i>Die Naturwissenschaften</i> , 2021 , 108, 20	2	1
22	Noise matters: elephants show risk-avoidance behaviour in response to human-generated seismic cues. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210774	4.4	1
21	Seismic localization of elephant rumbles as a monitoring approach. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210264	4.1	0
20	On the morphology and evolution of cicadomorphan tymbal organs. <i>Arthropod Structure and Development</i> , 2020 , 55, 100918	1.8	1
19	Functional flexibility in a spider's orb web. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	3
18	Control vs. Constraint: Understanding the Mechanisms of Vibration Transmission During Material-Bound Information Transfer. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	4
17	On the morphology and possible function of two putative vibroacoustic mechanisms in derbid planthoppers (Hemiptera: Fulgoromorpha: Derbidae). <i>Arthropod Structure and Development</i> , 2019 , 52, 100880	1.8	2
16	A Spider's Vibration Landscape: Adaptations to Promote Vibrational Information Transfer in Orb Webs. <i>Integrative and Comparative Biology</i> , 2019 , 59, 1636-1645	2.8	17
15	Decoding the locational information in the orb web vibrations of <i>Araneus diadematus</i> and <i>Zygiella x-notata</i> . <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190201	4.1	18
14	Planthopper bugs use a fast, cyclic elastic recoil mechanism for effective vibrational communication at small body size. <i>PLoS Biology</i> , 2019 , 17, e3000155	9.7	12
13	Classifying elephant behaviour through seismic vibrations. <i>Current Biology</i> , 2018 , 28, R547-R548	6.3	20
12	Vibration sensitivity found in. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	6
11	Remote monitoring of vibrational information in spider webs. <i>Die Naturwissenschaften</i> , 2018 , 105, 37	2	23
10	The pregenital abdomen of Enicocephalomorpha and morphological evidence for different modes of communication at the dawn of heteropteran evolution. <i>Arthropod Structure and Development</i> , 2017 , 46, 843-868	1.8	5
9	Biotremology: Do physical constraints limit the propagation of vibrational information?. <i>Animal Behaviour</i> , 2017 , 130, 165-174	2.8	46
8	Glass transitions in native silk fibres studied by dynamic mechanical thermal analysis. <i>Soft Matter</i> , 2016 , 12, 5926-36	3.6	33

7	Tuning the instrument: sonic properties in the spider web. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	36
6	Linking naturally and unnaturally spun silks through the forced reeling of <i>Bombyx mori</i> . <i>Acta Biomaterialia</i> , 2015 , 11, 247-55	10.8	32
5	Unpicking the signal thread of the sector web spider <i>Zygiella x-notata</i> . <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20150633	4.1	13
4	The speed of sound in silk: linking material performance to biological function. <i>Advanced Materials</i> , 2014 , 26, 5179-83	24	35
3	In situ tensile tests of single silk fibres in an environmental scanning electron microscope (ESEM). <i>Journal of Materials Science</i> , 2013 , 48, 5055-5062	4.3	11
2	Forced reeling of <i>Bombyx mori</i> silk: separating behavior and processing conditions. <i>Biomacromolecules</i> , 2013 , 14, 3653-9	6.9	45
1	Ballistic impact to access the high-rate behaviour of individual silk fibres. <i>Journal of the Mechanics and Physics of Solids</i> , 2012 , 60, 1710-1721	5	28