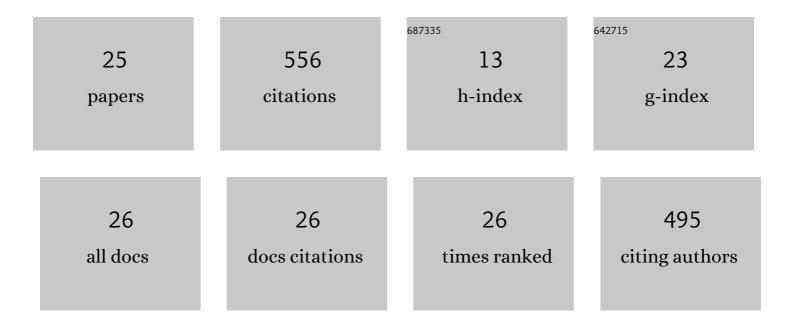
Beth Mortimer

List of Publications by Year in descending order

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ΒΕΤΗ ΜΟΡΤΙΜΕΡ

#	Article	lF	CITATIONS
1	Biotremology: Do physical constraints limit the propagation of vibrational information?. Animal Behaviour, 2017, 130, 165-174.	1.9	62
2	Forced Reeling of <i>Bombyx mori</i> Silk: Separating Behavior and Processing Conditions. Biomacromolecules, 2013, 14, 3653-3659.	5.4	55
3	Tuning the instrument: sonic properties in the spider's web. Journal of the Royal Society Interface, 2016, 13, 20160341.	3.4	52
4	Glass transitions in native silk fibres studied by dynamic mechanical thermal analysis. Soft Matter, 2016, 12, 5926-5936.	2.7	44
5	The Speed of Sound in Silk: Linking Material Performance to Biological Function. Advanced Materials, 2014, 26, 5179-5183.	21.0	41
6	Linking naturally and unnaturally spun silks through the forced reeling of Bombyx mori. Acta Biomaterialia, 2015, 11, 247-255.	8.3	41
7	Classifying elephant behaviour through seismic vibrations. Current Biology, 2018, 28, R547-R548.	3.9	33
8	Ballistic impact to access the high-rate behaviour of individual silk fibres. Journal of the Mechanics and Physics of Solids, 2012, 60, 1710-1721.	4.8	32
9	Remote monitoring of vibrational information in spider webs. Die Naturwissenschaften, 2018, 105, 37.	1.6	31
10	Decoding the locational information in the orb web vibrations of <i>Araneus diadematus</i> and <i>Zygiella x-notata</i> . Journal of the Royal Society Interface, 2019, 16, 20190201.	3.4	26
11	A Spider's Vibration Landscape: Adaptations to Promote Vibrational Information Transfer in Orb Webs. Integrative and Comparative Biology, 2019, 59, 1636-1645.	2.0	22
12	Unpicking the signal thread of the sector web spider <i>Zygiella x-notata</i> . Journal of the Royal Society Interface, 2015, 12, 20150633.	3.4	21
13	Planthopper bugs use a fast, cyclic elastic recoil mechanism for effective vibrational communication at small body size. PLoS Biology, 2019, 17, e3000155.	5.6	18
14	In situ tensile tests of single silk fibres in an environmental scanning electron microscope (ESEM). Journal of Materials Science, 2013, 48, 5055-5062.	3.7	11
15	The pregenital abdomen of Enicocephalomorpha and morphological evidence for different modes of communication at the dawn of heteropteran evolution. Arthropod Structure and Development, 2017, 46, 843-868.	1.4	10
16	Control vs. Constraint: Understanding the Mechanisms of Vibration Transmission During Material-Bound Information Transfer. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	9
17	Vibration sensitivity found in <i>Caenorhabditis elegans</i> . Journal of Experimental Biology, 2018, 221,	1.7	8
18	Seismic localization of elephant rumbles as a monitoring approach. Journal of the Royal Society Interface, 2021, 18, 20210264.	3.4	8

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#	Article	IF	CITATIONS
19	Seismic savanna: machine learning for classifying wildlife and behaviours using groundâ€based vibration field recordings. Remote Sensing in Ecology and Conservation, 2022, 8, 236-250.	4.3	8
20	Functional flexibility in a spider's Orb Web. Journal of Experimental Biology, 2020, 223, .	1.7	6
21	On the morphology and possible function of two putative vibroacoustic mechanisms in derbid planthoppers (Hemiptera: Fulgoromorpha: Derbidae). Arthropod Structure and Development, 2019, 52, 100880.	1.4	5
22	On the morphology and evolution of cicadomorphan tymbal organs. Arthropod Structure and Development, 2020, 55, 100918.	1.4	5
23	Noise matters: elephants show risk-avoidance behaviour in response to human-generated seismic cues. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210774.	2.6	5
24	Dynamic environments do not appear to constrain spider web building behaviour. Die Naturwissenschaften, 2021, 108, 20.	1.6	2
25	Slit sense organ distribution on the legs of two species of orb-weaving spider (Araneae: Araneidae). Arthropod Structure and Development, 2022, 67, 101140.	1.4	1