

Erin L Mccullough

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

671
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	Why Sexually Selected Weapons Are Not Ornaments. <i>Trends in Ecology and Evolution</i> , 2016, 31, 742-751.	8.7	136
2	Structural adaptations to diverse fighting styles in sexually selected weapons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14484-14488.	7.1	81
3	Variation in the allometry of exaggerated rhinoceros beetle horns. <i>Animal Behaviour</i> , 2015, 109, 133-140.	1.9	66
4	Evaluating the costs of a sexually selected weapon: big horns at a small price. <i>Animal Behaviour</i> , 2013, 86, 977-985.	1.9	59
5	Costs of elaborate weapons in a rhinoceros beetle: how difficult is it to fly with a big horn?. <i>Behavioral Ecology</i> , 2012, 23, 1042-1048.	2.2	50
6	Mechanical limits to maximum weapon size in a giant rhinoceros beetle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140696.	2.6	38
7	Elaborate horns in a giant rhinoceros beetle incur negligible aerodynamic costs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130197.	2.6	33
8	Population density mediates the interaction between pre- and postmating sexual selection. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 893-905.	2.3	30
9	Muscle mass drives cost in sexually selected arthropod weapons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191063.	2.6	28
10	Selection on male physical performance during male-male competition and female choice. <i>Behavioral Ecology</i> , 2016, 27, 1288-1295.	2.2	27
11	The life history of <i>Drosophila</i> sperm involves molecular continuity between male and female reproductive tracts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119899119.	7.1	24
12	Sensilla Density Corresponds to the Regions of the Horn Most Frequently Used During Combat in the Giant Rhinoceros Beetle <i>Trypoxylus dichotomus</i> (Coleoptera: Scarabaeidae: Dynastinae). <i>Annals of the Entomological Society of America</i> , 2013, 106, 518-523.	2.5	15
13	Quantitative proteomics reveals rapid divergence in the postmating response of female reproductive tracts among sibling species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201030.	2.6	15
14	Using Radio Telemetry to Assess Movement Patterns in a Giant Rhinoceros Beetle: Are There Differences Among Majors, Minors, and Females?. <i>Journal of Insect Behavior</i> , 2013, 26, 51-56.	0.7	13
15	Pronounced Postmating Response in the <i>Drosophila</i> Female Reproductive Tract Fluid Proteome. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100156.	3.8	12
16	Benefits of polyandry: Molecular evidence from field-caught dung beetles. <i>Molecular Ecology</i> , 2017, 26, 3546-3555.	3.9	10
17	Variation in allometry along the weapon-signal continuum. <i>Evolutionary Ecology</i> , 2022, 36, 591-604.	1.2	10
18	Variation in cross-sectional horn shape within and among rhinoceros beetle species. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 810-817.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Cost of an elaborate trait: a trade-off between attracting females and maintaining a clean ornament. Behavioral Ecology, 2020, 31, 1218-1223.	2.2	7
20	Exploratory Activities for Understanding Evolutionary Relationships Depicted by Phylogenetic Trees: United but Diverse. American Biology Teacher, 2020, 82, 333-337.	0.2	6
21	The research bias is unfortunate but also unsurprising: a comment on Tinghitella et al.. Behavioral Ecology, 2018, 29, 798-798.	2.2	2