

Eileen A Hebets

List of Publications by Year in descending order

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110
papers

4,719
citations

98825

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110988

64
g-index

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all docs

112
docs citations

112
times ranked

3047
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of ambient water coloration on habitat and conspecific choice in the female Lake Malawi cichlid, <i>Metriaclima zebra</i> . <i>Environmental Epigenetics</i> , 2024, 70, 214-224.	1.9	1
2	Comparative biology of spatial navigation in three arachnid orders (Amblypygi, Araneae, and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Physiology, 2023, 209, 747-779.	1.7	4
3	Functionally redundant multimodal predator cues elicit changes in prey foraging behavior. <i>Behavioral Ecology</i> , 2023, 34, 334-339.	2.1	3
4	Exploring Higher-Order Conceptual Learning in an Arthropod with a Large Multisensory Processing Center. <i>Insects</i> , 2022, 13, 81.	2.3	2
5	Phylogeny and secondary sexual trait evolution in <i>Schizocosa</i> wolf spiders (Araneae, Lycosidae) shows evidence for multiple gains and losses of ornamentation and species delimitation uncertainty. <i>Molecular Phylogenetics and Evolution</i> , 2022, 169, 107397.	2.9	12
6	Habitat complexity and complex signal function – exploring the role of ornamentation. <i>Behavioral Ecology</i> , 2022, 33, 307-317.	2.1	2
7	Increased signal complexity is associated with increased mating success. <i>Biology Letters</i> , 2022, 18, 20220052.	2.4	17
8	Exploring a novel substrate-borne vibratory signal in the wolf spider <i>Schizocosa floridana</i> . <i>Ethology</i> , 2021, 127, 135-144.	1.1	5
9	Multisensory integration supports configural learning of a home refuge in the whip spider <i>Phrynos marginemaculatus</i> . <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	11
10	Visual control of refuge recognition in the whip spider <i>Phrynos marginemaculatus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021, 207, 729-737.	1.7	5
11	Phylogenomic Variation at the Population-Species Interface and Assessment of Gigantism in a Model Wolf Spider Genus (Lycosidae, <i>Schizocosa</i>). <i>Insect Systematics and Diversity</i> , 2021, 5, .	1.8	4
12	Sister species diverge in modality-specific courtship signal form and function. <i>Ecology and Evolution</i> , 2021, 11, 852-871.	1.9	8
13	The effects of conspecific male density on the reproductive behavior of male <i>Schizocosa retrorsa</i> (Banks, 1911) wolf spiders (Araneae: Lycosidae). <i>Journal of Arachnology</i> , 2021, 49, .	0.5	3
14	Distortion of the local magnetic field appears to neither disrupt nocturnal navigation nor cue shelter recognition in the amblypygid <i>Paraphrynos laevifrons</i> . <i>Ethology</i> , 2020, 126, 403-412.	1.1	4
15	Vertical-surface navigation in the Neotropical whip spider <i>Paraphrynos laevifrons</i> (Arachnida:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 707	1.8	5
16	Contemporary sexual selection does not explain variation in male display traits among populations. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1927-1940.	2.3	11
17	The effects of microhabitat specialization on mating communication in a wolf spider. <i>Behavioral Ecology</i> , 2019, 30, 1398-1405.	2.1	16
18	Nocturnal navigation by whip spiders: antenniform legs mediate near-distance olfactory localization of a shelter. <i>Animal Behaviour</i> , 2019, 149, 45-54.	2.0	16

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19	Multimodal Signaling. , 2019, , 487-499.		10
20	A mismatch between signal transmission efficacy and mating success calls into question the function of complex signals. <i>Animal Behaviour</i> , 2019, 158, 77-88.	2.0	15
21	Male attraction to female airborne cues by the net-casting spider, <i>Deinopis spinosa</i> . <i>Behavioural Processes</i> , 2019, 159, 23-30.	1.1	1
22	Self-derived chemical cues support home refuge recognition in the whip spider <i>Phrynus marginemaculatus</i> (Amblypygi: Phrynidae). <i>Journal of Arachnology</i> , 2019, 47, 290.	0.5	10
23	Dynamic changes in display architecture and function across environments revealed by a systems approach to animal communication*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1134-1145.	2.3	30
24	Males mate with multiple females to increase offspring numbers in a nursery web spider. <i>Behavioral Ecology</i> , 2018, 29, 918-924.	2.1	2
25	Using cross-disciplinary knowledge to facilitate advancements in animal communication and science communication research. <i>Journal of Experimental Biology</i> , 2018, 221, jeb179978.	1.7	3
26	Eight-Legged Encounters—Arachnids, Volunteers, and Art help to Bridge the Gap between Informal and Formal Science Learning. <i>Insects</i> , 2018, 9, 27.	2.3	7
27	A Probable Case of Incipient Speciation in <i>Schizocosa</i> Wolf Spiders Driven by Allochrony, Habitat Use, and Female Mate Choice. <i>American Naturalist</i> , 2018, 192, 332-346.	2.2	16
28	Female nursery web spiders (<i>Pisaurina mira</i>) benefit from consuming their mate. <i>Ethology</i> , 2018, 124, 475-482.	1.1	4
29	A Scientist's Guide to Impactful Science Communication: A Priori Goals, Collaborative Assessment, and Engagement with Youth. <i>BioEssays</i> , 2018, 40, e1800084.	2.6	5
30	Importance of the antenniform legs, but not vision, for homing by the neotropical whip spider, <i>Paraphrynus laevifrons</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 885-890.	1.7	26
31	Development of site fidelity in the nocturnal amblypygid, <i>Phrynus marginemaculatus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 313-328.	1.7	6
32	Sensory system plasticity in a visually specialized, nocturnal spider. <i>Scientific Reports</i> , 2017, 7, 46627.	3.4	23
33	Neural Circuitry for Target Selection and Action Selection in Animal Behavior. <i>Integrative and Comparative Biology</i> , 2017, 57, 808-819.	2.0	12
34	Increased insertion number leads to increased sperm transfer and fertilization success in a nursery web spider. <i>Animal Behaviour</i> , 2017, 132, 121-127.	2.0	12
35	Microhabitat use in the amblypygid <i>Paraphrynus laevifrons</i> . <i>Journal of Arachnology</i> , 2017, 45, 223-230.	0.5	6
36	Different patterns of behavioral variation across and within species of spiders with differing degrees of urbanization. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.5	65

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37	Record breaking achievements by spiders and the scientists who study them. PeerJ, 2017, 5, e3972.	2.0	46
38	Amblypygids: Model Organisms for the Study of Arthropod Navigation Mechanisms in Complex Environments?. Frontiers in Behavioral Neuroscience, 2016, 10, 47.	2.1	25
39	Absence of Mate Choice and Postcopulatory Benefits in a Species with Extreme Sexual Size Dimorphism. Ethology, 2016, 122, 95-104.	1.1	6
40	Nocturnal foraging enhanced by enlarged secondary eyes in a net-casting spider. Biology Letters, 2016, 12, 20160152.	2.4	20
41	New dimensions in animal communication: the case for complexity. Current Opinion in Behavioral Sciences, 2016, 12, 80-89.	4.1	54
42	Males Can Benefit from Sexual Cannibalism Facilitated by Self-Sacrifice. Current Biology, 2016, 26, 2794-2799.	4.0	23
43	A systems approach to animal communication. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152889.	2.8	140
44	Costly learning: preference for familiar food persists despite negative impact on survival. Biology Letters, 2016, 12, 20160256.	2.4	8
45	The behavioral ecology of amblypygids. Journal of Arachnology, 2016, 44, 1-14.	0.5	52
46	Benefits of size dimorphism and copulatory silk wrapping in the sexually cannibalistic nursery web spider, <i>Pisaurina mira</i> . Biology Letters, 2016, 12, 20150957.	2.4	22
47	The complexities of female mate choice and male polymorphisms: Elucidating the role of genetics, age, and mate-choice copying. Environmental Epigenetics, 2015, 61, 1015-1035.	1.9	23
48	Octopamine levels relate to male mating tactic expression in the wolf spider <i>Rabidosa punctulata</i> . Animal Behaviour, 2015, 100, 136-142.	2.0	9
49	Temporal patterns of nutrition dependence in secondary sexual traits and their varying impacts on male mating success. Animal Behaviour, 2015, 103, 75-82.	2.0	22
50	Embracing multiple definitions of learning. Trends in Neurosciences, 2015, 38, 405-407.	8.8	75
51	A dual function of white coloration in a nocturnal spider <i>Dolomedes raptor</i> (Araneae: Pisauridae). Animal Behaviour, 2015, 108, 25-32.	2.0	9
52	Multimodal sensory reliance in the nocturnal homing of the amblypygid <i>Phrynus pseudoparvulus</i> (Class Arachnida, Order Amblypygi)?. Behavioural Processes, 2014, 108, 123-130.	1.1	29
53	Nocturnal homing in the tropical amblypygid <i>Phrynus pseudoparvulus</i> (Class Arachnida, Order Tj ETQq1 1 0.784314 rgBT / Overlock 10 1.8 30	1.1	29
54	Tactical adjustment of signalling leads to increased mating success and survival. Animal Behaviour, 2014, 93, 111-117.	2.0	35

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55	Obligate male death and sexual cannibalism in dark fishing spiders. <i>Animal Behaviour</i> , 2014, 93, 151-156.	2.0	15
56	Foreleg Ornaments Do Not Hinder Foraging Success in Brush-Legged Wolf Spiders. <i>Journal of Insect Behavior</i> , 2013, 26, 837-849.	0.8	4
57	An introduction to multimodal communication. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1381-1388.	1.5	217
58	The dominance of seismic signaling and selection for signal complexity in <i>Schizocosa</i> multimodal courtship displays. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1483-1498.	1.5	74
59	No evidence for a relationship between hemolymph ecdysteroid levels and female reproductive behavior in <i>Schizocosa</i> wolf spiders. <i>Journal of Arachnology</i> , 2013, 41, 349-355.	0.5	3
60	Locomotor Performance Varies With Adult Phenotype in Ornamented/Non-Ornamented Wolf Spiders. <i>Ethology</i> , 2013, 119, 570-580.	1.1	5
61	Diversification under sexual selection: the relative roles of mate preference strength and the degree of divergence in mate preferences. <i>Ecology Letters</i> , 2013, 16, 964-974.	6.7	83
62	Spontaneous male death and monogyny in the dark fishing spider. <i>Biology Letters</i> , 2013, 9, 20130113.	2.4	27
63	Female mate choice for multimodal courtship and the importance of the signaling background for selection on male ornamentation. <i>Environmental Epigenetics</i> , 2013, 59, 200-209.	1.9	40
64	A robust new metric of phenotypic distance to estimate and compare multiple trait differences among populations. <i>Environmental Epigenetics</i> , 2012, 58, 426-439.	1.9	27
65	Resource heterogeneity interacts with courtship rate to influence mating success in the wolf spider <i>Schizocosa floridana</i> . <i>Animal Behaviour</i> , 2012, 84, 1341-1346.	2.0	21
66	Seismic Signaling is Crucial for Female Mate Choice in a Multimodal Signaling Wolf Spider. <i>Ethology</i> , 2012, 118, 387-397.	1.1	20
67	Age-related female mating decisions are condition dependent in wolf spiders. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 29-38.	1.5	54
68	The Sensory and Behavioural Biology of Whip Spiders (Arachnida, Amblypygi). <i>Advances in Insect Physiology</i> , 2011, , 1-64.	3.8	38
69	Evidence for Air Movement Signals in the Agonistic Behaviour of a Nocturnal Arachnid (Order Tj ETQq1 1 0.784314 ggBT /Overlock 10 T	2.5	16
70	Complex courtship displays facilitate male reproductive success and plasticity in signaling across variable environments. <i>Environmental Epigenetics</i> , 2011, 57, 175-186.	1.9	78
71	More Ornamented Males Exhibit Increased Predation Risk and Antipredatory Escapes, but not Greater Mortality. <i>Ethology</i> , 2011, 117, 102-114.	1.1	26
72	FEMALES ARE CHOOSIER IN THE DARK: ENVIRONMENT-DEPENDENT RELIANCE ON COURTSHIP COMPONENTS AND ITS IMPACT ON FITNESS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 268-282.	2.3	54

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73	Enigmatic ornamentation eases male reliance on courtship performance for mating success. <i>Animal Behaviour</i> , 2011, 81, 963-972.	2.0	27
74	Modality-specific experience with female feedback increases the efficacy of courtship signalling in male wolf spiders. <i>Animal Behaviour</i> , 2011, 82, 1051-1057.	2.0	39
75	A sticky situation: solifugids (Arachnida, Solifugae) use adhesive organs on their pedipalps for prey capture. <i>Journal of Ethology</i> , 2011, 29, 177-180.	0.9	16
76	Current Status and Future Directions of Research in Complex Signaling. <i>Environmental Epigenetics</i> , 2011, 57, i-v.	1.9	37
77	The degree of response to increased predation risk corresponds to male secondary sexual traits. <i>Behavioral Ecology</i> , 2011, 22, 268-275.	2.1	40
78	A signal-substrate match in the substrate-borne component of a multimodal courtship display. <i>Environmental Epigenetics</i> , 2010, 56, 370-378.	1.9	53
79	Multimodal courtship efficacy of <i>Schizocosa retrorsa</i> wolf spiders: implications of an additional signal modality. <i>Behavioral Ecology</i> , 2010, 21, 701-707.	2.1	42
80	Courtship effort is a better predictor of mating success than ornamentation for male wolf spiders. <i>Behavioral Ecology</i> , 2009, 20, 1242-1251.	2.1	79
81	Condition-dependent alternative mating tactics in a sexually cannibalistic wolf spider. <i>Behavioral Ecology</i> , 2009, 20, 891-900.	2.1	24
82	Tactile learning by a whip spider, <i>Phrynus marginemaculatus</i> C.L. Koch (Arachnida, Amblypygi). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 393-399.	1.7	37
83	Costs and benefits of freezing behaviour in the harvestman <i>Eumesosoma roeweri</i> (Arachnida, Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.1	48
84	Prey capture by the whip spider <i>Phrynus marginemaculatus</i> C.L. Koch. <i>Journal of Arachnology</i> , 2009, 37, 109-112.	0.5	26
85	Substrate-dependent signalling success in the wolf spider, <i>Schizocosa retrorsa</i> . <i>Animal Behaviour</i> , 2008, 75, 605-615.	2.0	74
86	Diet influences mate choice selectivity in adult female wolf spiders. <i>Animal Behaviour</i> , 2008, 76, 355-363.	2.0	106
87	Agonistic signals received by an arthropod filiform hair allude to the prevalence of near-field sound communication. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 363-368.	2.8	36
88	Seismic signal dominance in the multimodal courtship display of the wolf spider <i>Schizocosa stridulans</i> Stratton 1991. <i>Behavioral Ecology</i> , 2008, 19, 1250-1257.	2.1	92
89	Experience leads to preference: experienced females prefer brush-legged males in a population of syntopic wolf spiders. <i>Behavioral Ecology</i> , 2007, 18, 1010-1020.	2.1	88
90	Cross-modal effects on learning: a seismic stimulus improves color discrimination learning in a jumping spider. <i>Journal of Experimental Biology</i> , 2007, 210, 3689-3695.	1.7	43

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91	SUBADULT FEMALE EXPERIENCE DOES NOT INFLUENCE SPECIES RECOGNITION IN THE WOLF SPIDER SCHIZOCOSA UETZI STRATTON 1997. <i>Journal of Arachnology</i> , 2007, 35, 1-10.	0.5	32
92	A REVIEW OF LEG ORNAMENTATION IN MALE WOLF SPIDERS, WITH THE DESCRIPTION OF A NEW SPECIES FROM AUSTRALIA, ARTORIA SCHIZOCOIDES (ARANEAE, LYCOSIDAE). <i>Journal of Arachnology</i> , 2007, 35, 89-101.	0.5	40
93	AN EXAMINATION OF AGONISTIC INTERACTIONS IN THE WHIP SPIDER PHRYNUS MARGINEMACULATUS (ARACHNIDA, AMBLYPYGI). <i>Journal of Arachnology</i> , 2006, 34, 62-76.	0.5	46
94	REGIONAL SEISMIC SONG DIFFERENCES IN SKY ISLAND POPULATIONS OF THE JUMPING SPIDER HABRONATTUS PUGILLIS GRISWOLD (ARANEAE, SALTICIDAE). <i>Journal of Arachnology</i> , 2006, 34, 545-556.	0.5	26
95	The Role of Visual Ornamentation in Female Choice of a Multimodal Male Courtship Display. <i>Ethology</i> , 2006, 112, 1062-1070.	1.1	31
96	Female preference for complex/novel signals in a spider. <i>Behavioral Ecology</i> , 2006, 17, 765-771.	2.1	94
97	Seismic signal production in a wolf spider: parallel versus serial multi-component signals. <i>Journal of Experimental Biology</i> , 2006, 209, 1074-1084.	1.7	60
98	Seismic signals are crucial for male mating success in a visual specialist jumping spider (Araneae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.0	90
99	Complex signal function: developing a framework of testable hypotheses. <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 197-214.	1.5	839
100	Attention-altering signal interactions in the multimodal courtship display of the wolf spider <i>Schizocosa uetzi</i> . <i>Behavioral Ecology</i> , 2005, 16, 75-82.	2.1	141
101	Xenophilic mating preferences among populations of the jumping spider <i>Habronattus pugillis</i> Griswold. <i>Behavioral Ecology</i> , 2005, 16, 981-988.	2.1	44
102	Subadult experience influences adult mate choice in an arthropod: Exposed female wolf spiders prefer males of a familiar phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13390-13395.	7.6	249
103	Relating the unique sensory system of amblypygids to the ecology and behavior of <i>Phrynus parvulus</i> from Costa Rica (Arachnida, Amblypygi). <i>Canadian Journal of Zoology</i> , 2002, 80, 286-295.	1.1	45
104	Electrophysiological studies of olfaction in the whip spider <i>Phrynus parvulus</i> (Arachnida, Amblypygi). <i>Journal of Insect Physiology</i> , 2000, 46, 1441-1448.	2.2	51
105	Surviving the flood: plastron respiration in the non-tracheate arthropod <i>Phrynus marginemaculatus</i> (Amblypygi: Arachnida). <i>Journal of Insect Physiology</i> , 2000, 46, 13-19.	2.2	56
106	Female responses to isolated signals from multimodal male courtship displays in the wolf spider genus <i>Schizocosa</i> (Araneae: Lycosidae). <i>Animal Behaviour</i> , 1999, 57, 865-872.	2.0	141
107	Uncovering "Hidden" Signals: Previously Presumed Visual Signals Likely Generate Air Particle Movement. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.3	3
108	A scientist's guide to Solifugae: how solifuges could advance research in ecology, evolution, and behaviour. <i>Zoological Journal of the Linnean Society</i> , 0, , .	2.4	1

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109	How Hot is too Hot? Metabolic Responses to Temperature Across Life Stages of a Small Ectotherm. Integrative and Comparative Biology, 0, , .	2.0	0
110	Use your power for good: Collective action to overcome institutional injustices impeding ethical science Communication in the academy. BioScience, 0, , .	4.8	0