Eileen A Hebets

List of Publications by Year
in descending order

110	4,719	98825	110988
papers	citations	36 h-index	64 g-index

112	112	112	3047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex signal function: developing a framework of testable hypotheses. Behavioral Ecology and Sociobiology, 2005, 57, 197-214.	1.5	839
2	Subadult experience influences adult mate choice in an arthropod: Exposed female wolf spiders prefer males of a familiar phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13390-13395.	7.6	249
3	An introduction to multimodal communication. Behavioral Ecology and Sociobiology, 2013, 67, 1381-1388.	1.5	217
4	Female responses to isolated signals from multimodal male courtship displays in the wolf spider genusSchizocosa(Araneae: Lycosidae). Animal Behaviour, 1999, 57, 865-872.	2.0	141
5	Attention-altering signal interactions in the multimodal courtship display of the wolf spider Schizocosa uetzi. Behavioral Ecology, 2005, 16, 75-82.	2.1	141
6	A systems approach to animal communication. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152889.	2.8	140
7	Diet influences mate choice selectivity in adult female wolf spiders. Animal Behaviour, 2008, 76, 355-363.	2.0	106
8	Female preference for complex/novel signals in a spider. Behavioral Ecology, 2006, 17, 765-771.	2.1	94
9	Seismic signal dominance in the multimodal courtship display of the wolf spider Schizocosa stridulans Stratton 1991. Behavioral Ecology, 2008, 19, 1250-1257.	2.1	92
10	Seismic signals are crucial for male mating success in a visual specialist jumping spider (Araneae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.0	90
11	Experience leads to preference: experienced females prefer brush-legged males in a population of syntopic wolf spiders. Behavioral Ecology, 2007, 18, 1010-1020.	2.1	88
12	Diversification under sexual selection: the relative roles of mate preference strength and the degree of divergence in mate preferences. Ecology Letters, 2013, 16, 964-974.	6.7	83
13	Courtship effort is a better predictor of mating success than ornamentation for male wolf spiders. Behavioral Ecology, 2009, 20, 1242-1251.	2.1	79
14	Complex courtship displays facilitate male reproductive success and plasticity in signaling across variable environments. Environmental Epigenetics, 2011, 57, 175-186.	1.9	78
15	Embracing multiple definitions of learning. Trends in Neurosciences, 2015, 38, 405-407.	8.8	75
16	Substrate-dependent signalling success in the wolf spider, Schizocosa retrorsa. Animal Behaviour, 2008, 75, 605-615.	2.0	74
17	The dominance of seismic signaling and selection for signal complexity in Schizocosa multimodal courtship displays. Behavioral Ecology and Sociobiology, 2013, 67, 1483-1498.	1.5	74
18	Different patterns of behavioral variation across and within species of spiders with differing degrees of urbanization. Behavioral Ecology and Sociobiology, 2017, 71, 1.	1.5	65

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19	Seismic signal production in a wolf spider: parallel versusserial multi-component signals. Journal of Experimental Biology, 2006, 209, 1074-1084.	1.7	60
20	Surviving the flood: plastron respiration in the non-tracheate arthropod Phrynus marginemaculatus (Amblypygi: Arachnida). Journal of Insect Physiology, 2000, 46, 13-19.	2.2	56
21	FEMALES ARE CHOOSIER IN THE DARK: ENVIRONMENT-DEPENDENT RELIANCE ON COURTSHIP COMPONENTS AND ITS IMPACT ON FITNESS. Evolution; International Journal of Organic Evolution, 2011, 65, 268-282.	2.3	54
22	Age-related female mating decisions are condition dependent in wolf spiders. Behavioral Ecology and Sociobiology, 2012, 66, 29-38.	1.5	54
23	New dimensions in animal communication: the case for complexity. Current Opinion in Behavioral Sciences, 2016, 12, 80-89.	4.1	54
24	A signal-substrate match in the substrate-borne component of a multimodal courtship display. Environmental Epigenetics, 2010, 56, 370-378.	1.9	53
25	The behavioral ecology of amblypygids. Journal of Arachnology, 2016, 44, 1-14.	0.5	52
26	Electrophysiological studies of olfaction in the whip spider Phrynus parvulus (Arachnida, Amblypygi). Journal of Insect Physiology, 2000, 46, 1441-1448.	2.2	51
27	Costs and benefits of freezing behaviour in the harvestman Eumesosoma roeweri (Arachnida,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.1	48
28	AN EXAMINATION OF AGONISTIC INTERACTIONS IN THE WHIP SPIDER PHRYNUS MARGINEMACULATUS (ARACHNIDA, AMBLYPYGI). Journal of Arachnology, 2006, 34, 62-76.	0.5	46
29	Record breaking achievements by spiders and the scientists who study them. PeerJ, 2017, 5, e3972.	2.0	46
30	Relating the unique sensory system of amblypygids to the ecology and behavior of Phrynus parvulus from Costa Rica (Arachnida, Amblypygi). Canadian Journal of Zoology, 2002, 80, 286-295.	1.1	45
31	Xenophilic mating preferences among populations of the jumping spider Habronattus pugillis Griswold. Behavioral Ecology, 2005, 16, 981-988.	2.1	44
32	Cross-modal effects on learning: a seismic stimulus improves color discrimination learning in a jumping spider. Journal of Experimental Biology, 2007, 210, 3689-3695.	1.7	43
33	Multimodal courtship efficacy of Schizocosa retrorsa wolf spiders: implications of an additional signal modality. Behavioral Ecology, 2010, 21, 701-707.	2.1	42
34	A REVIEW OF LEG ORNAMENTATION IN MALE WOLF SPIDERS, WITH THE DESCRIPTION OF A NEW SPECIES FROM AUSTRALIA, ARTORIA SCHIZOCOIDES (ARANEAE, LYCOSIDAE). Journal of Arachnology, 2007, 35, 89-101.	0.5	40
35	The degree of response to increased predation risk corresponds to male secondary sexual traits. Behavioral Ecology, 2011, 22, 268-275.	2.1	40
36	Female mate choice for multimodal courtship and the importance of the signaling background for selection on male ornamentation. Environmental Epigenetics, 2013, 59, 200-209.	1.9	40

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37	Modality-specific experience with female feedback increases the efficacy of courtship signalling in male wolf spiders. Animal Behaviour, 2011, 82, 1051-1057.	2.0	39
38	The Sensory and Behavioural Biology of Whip Spiders (Arachnida, Amblypygi). Advances in Insect Physiology, 2011, , 1-64.	3.8	38
39	Tactile learning by a whip spider, Phrynus marginemaculatus C.L. Koch (Arachnida, Amblypygi). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2009, 195, 393-399.	1.7	37
40	Current Status and Future Directions of Research in Complex Signaling. Environmental Epigenetics, 2011, 57, i-v.	1.9	37
41	Agonistic signals received by an arthropod filiform hair allude to the prevalence of near-field sound communication. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 363-368.	2.8	36
42	Tactical adjustment of signalling leads to increased mating success and survival. Animal Behaviour, 2014, 93, 111-117.	2.0	35
43	SUBADULT FEMALE EXPERIENCE DOES NOT INFLUENCE SPECIES RECOGNITION IN THE WOLF SPIDER SCHIZOCOSA UETZI STRATTON 1997. Journal of Arachnology, 2007, 35, 1-10.	0.5	32
44	The Role of Visual Ornamentation in Female Choice of a Multimodal Male Courtship Display. Ethology, 2006, 112, 1062-1070.	1.1	31
45	Nocturnal homing in the tropical amblypygid Phrynus pseudoparvulus (Class Arachnida, Order) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	30
46	Dynamic changes in display architecture and function across environments revealed by a systems approach to animal communication*. Evolution; International Journal of Organic Evolution, 2018, 72, 1134-1145.	2.3	30
47	Multimodal sensory reliance in the nocturnal homing of the amblypygid Phrynus pseudoparvulus (Class Arachnida, Order Amblypygi)?. Behavioural Processes, 2014, 108, 123-130.	1.1	29
48	Enigmatic ornamentation eases male reliance on courtship performance for mating success. Animal Behaviour, 2011, 81, 963-972.	2.0	27
49	A robust new metric of phenotypic distance to estimate and compare multiple trait differences among populations. Environmental Epigenetics, 2012, 58, 426-439.	1.9	27
50	Spontaneous male death and monogyny in the dark fishing spider. Biology Letters, 2013, 9, 20130113.	2.4	27
51	REGIONAL SEISMIC SONG DIFFERENCES IN SKY ISLAND POPULATIONS OF THE JUMPING SPIDER HABRONATTUS PUGILLIS GRISWOLD (ARANEAE, SALTICIDAE). Journal of Arachnology, 2006, 34, 545-556.	0.5	26
52	Prey capture by the whip spider Phrynus marginemaculatus C.L. Koch. Journal of Arachnology, 2009, 37, 109-112.	0.5	26
53	More Ornamented Males Exhibit Increased Predation Risk and Antipredatory Escapes, but not Greater Mortality. Ethology, 2011, 117, 102-114.	1.1	26
54	Importance of the antenniform legs, but not vision, for homing by the neotropical whip spider,Paraphrynus laevifrons. Journal of Experimental Biology, 2017, 220, 885-890.	1.7	26

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55	Amblypygids: Model Organisms for the Study of Arthropod Navigation Mechanisms in Complex Environments?. Frontiers in Behavioral Neuroscience, 2016, 10, 47.	2.1	25
56	Condition-dependent alternative mating tactics in a sexually cannibalistic wolf spider. Behavioral Ecology, 2009, 20, 891-900.	2.1	24
57	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
58	Males Can Benefit from Sexual Cannibalism Facilitated by Self-Sacrifice. Current Biology, 2016, 26, 2794-2799.	4.0	23
59	Sensory system plasticity in a visually specialized, nocturnal spider. Scientific Reports, 2017, 7, 46627.	3.4	23
60	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
61	Benefits of size dimorphism and copulatory silk wrapping in the sexually cannibalistic nursery web spider, Pisaurina mira. Biology Letters, 2016, 12, 20150957.	2.4	22
62	Resource heterogeneity interacts with courtship rate to influence mating success in the wolf spider Schizocosa floridana. Animal Behaviour, 2012, 84, 1341-1346.	2.0	21
63	Seismic Signaling is Crucial for Female Mate Choice in a Multimodal Signaling Wolf Spider. Ethology, 2012, 118, 387-397.	1.1	20
64	Nocturnal foraging enhanced by enlarged secondary eyes in a net-casting spider. Biology Letters, 2016, 12, 20160152.	2.4	20
65	Increased signal complexity is associated with increased mating success. Biology Letters, 2022, 18, 20220052.	2.4	17
66	Evidence for Air Movement Signals in the Agonistic Behaviour of a Nocturnal Arachnid (Order) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.5	16
67	A sticky situation: solifugids (Arachnida, Solifugae) use adhesive organs on their pedipalps for prey capture. Journal of Ethology, 2011, 29, 177-180.	0.9	16
68	A Probable Case of Incipient Speciation inSchizocosaWolf Spiders Driven by Allochrony, Habitat Use, and Female Mate Choice. American Naturalist, 2018, 192, 332-346.	2.2	16
69	The effects of microhabitat specialization on mating communication in a wolf spider. Behavioral Ecology, 2019, 30, 1398-1405.	2.1	16
70	Nocturnal navigation by whip spiders: antenniform legs mediate near-distance olfactory localization of a shelter. Animal Behaviour, 2019, 149, 45-54.	2.0	16
71	Obligate male death and sexual cannibalism in dark fishing spiders. Animal Behaviour, 2014, 93, 151-156.	2.0	15
72	A mismatch between signal transmission efficacy and mating success calls into question the function of complex signals. Animal Behaviour, 2019, 158, 77-88.	2.0	15

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73	Neural Circuitry for Target Selection and Action Selection in Animal Behavior. Integrative and Comparative Biology, 2017, 57, 808-819.	2.0	12
74	Increased insertion number leads to increased sperm transfer and fertilization success in a nursery web spider. Animal Behaviour, 2017, 132, 121-127.	2.0	12
75	Phylogeny and secondary sexual trait evolution in Schizocosa wolf spiders (Araneae, Lycosidae) shows evidence for multiple gains and losses of ornamentation and species delimitation uncertainty. Molecular Phylogenetics and Evolution, 2022, 169, 107397.	2.9	12
76	Contemporary sexual selection does not explain variation in male display traits among populations. Evolution; International Journal of Organic Evolution, 2019, 73, 1927-1940.	2.3	11
77	Multisensory integration supports configural learning of a home refuge in the whip spiderPhrynus marginemaculatus. Journal of Experimental Biology, 2021, 224, .	1.7	11
78	Multimodal Signaling. , 2019, , 487-499.		10
79	Self-derived chemical cues support home refuge recognition in the whip spider Phrynus marginemaculatus (Amblypygi: Phrynidae). Journal of Arachnology, 2019, 47, 290.	0.5	10
80	Octopamine levels relate to male mating tactic expression in the wolf spider Rabidosa punctulata. Animal Behaviour, 2015, 100, 136-142.	2.0	9
81	A dual function of white coloration in a nocturnal spider Dolomedes raptor (Araneae: Pisauridae). Animal Behaviour, 2015, 108, 25-32.	2.0	9
82	Costly learning: preference for familiar food persists despite negative impact on survival. Biology Letters, 2016, 12, 20160256.	2.4	8
83	Sister species diverge in modalityâ€specific courtship signal form and function. Ecology and Evolution, 2021, 11, 852-871.	1.9	8
84	Eight-Legged Encountersâ€"Arachnids, Volunteers, and Art help to Bridge the Gap between Informal and Formal Science Learning. Insects, 2018, 9, 27.	2.3	7
85	Absence of Mate Choice and Postcopulatory Benefits in a Species with Extreme Sexual Size Dimorphism. Ethology, 2016, 122, 95-104.	1.1	6
86	Development of site fidelity in the nocturnal amblypygid, Phrynus marginemaculatus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2017, 203, 313-328.	1.7	6
87	Microhabitat use in the amblypygid Paraphrynus laevifrons. Journal of Arachnology, 2017, 45, 223-230.	0.5	6
88	Locomotor Performance Varies With Adult Phenotype in Ornamented/Nonâ€Ornamented Wolf Spiders. Ethology, 2013, 119, 570-580.	1.1	5
89	A Scientist's Guide to Impactful Science Communication: A Priori Goals, Collaborative Assessment, and Engagement with Youth. BioEssays, 2018, 40, e1800084.	2.6	5
90	Vertical-surface navigation in the Neotropical whip spider Paraphrynus laevifrons (Arachnida:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.8	5

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91	Exploring a novel substrateâ€borne vibratory signal in the wolf spider Schizocosa floridana. Ethology, 2021, 127, 135-144.	1.1	5
92	Visual control of refuge recognition in the whip spider Phrynus marginemaculatus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2021, 207, 729-737.	1.7	5
93	Foreleg Ornaments Do Not Hinder Foraging Success in Brush-Legged Wolf Spiders. Journal of Insect Behavior, 2013, 26, 837-849.	0.8	4
94	Female nursery web spiders (Pisaurina mira) benefit from consuming their mate. Ethology, 2018, 124, 475-482.	1.1	4
95	Distortion of the local magnetic field appears to neither disrupt nocturnal navigation nor cue shelter recognition in the amblypygid Paraphrynus laevifrons. Ethology, 2020, 126, 403-412.	1.1	4
96	Phylogenomic Variation at the Population-Species Interface and Assessment of Gigantism in a Model Wolf Spider Genus (Lycosidae, Schizocosa). Insect Systematics and Diversity, 2021, 5, .	1.8	4
97	Comparative biology of spatial navigation in three arachnid orders (Amblypygi, Araneae, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Physiology, 2023, 209, 747-779.	1.7	4
98	No evidence for a relationship between hemolymph ecdysteroid levels and female reproductive behavior inSchizocosawolf spiders. Journal of Arachnology, 2013, 41, 349-355.	0.5	3
99	Using cross-disciplinary knowledge to facilitate advancements in animal communication and science communication research. Journal of Experimental Biology, 2018, 221, jeb179978.	1.7	3
100	The effects of conspecific male density on the reproductive behavior of male Schizocosa retrorsa (Banks, 1911) wolf spiders (Araneae: Lycosidae). Journal of Arachnology, 2021, 49, .	0.5	3
101	Uncovering â€˜Hiddenâ€™ Signals: Previously Presumed Visual Signals Likely Generate Air Particle Movement. Frontiers in Ecology and Evolution, 0, 10, .	2.3	3
102	Functionally redundant multimodal predator cues elicit changes in prey foraging behavior. Behavioral Ecology, 2023, 34, 334-339.	2.1	3
103	Males mate with multiple females to increase offspring numbers in a nursery web spider. Behavioral Ecology, 2018, 29, 918-924.	2.1	2
104	Exploring Higher-Order Conceptual Learning in an Arthropod with a Large Multisensory Processing Center. Insects, 2022, 13, 81.	2.3	2
105	Habitat complexity and complex signal function â€“ exploring the role of ornamentation. Behavioral Ecology, 2022, 33, 307-317.	2.1	2
106	Male attraction to female airborne cues by the net-casting spider, Deinopis spinosa. Behavioural Processes, 2019, 159, 23-30.	1.1	1
107	Influence of ambient water coloration on habitat and conspecific choice in the female Lake Malawi cichlid, Metriaclima zebra. Environmental Epigenetics, 2024, 70, 214-224.	1.9	1
108	A scientistâ€™s guide to Solifugae: how solifuges could advance research in ecology, evolution, and behaviour. Zoological Journal of the Linnean Society, 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