

Sara M Lewis

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,115
citations

159525

30
h-index

168321

53
g-index

72
all docs

72
docs citations

72
times ranked

2590
citing authors

#	ARTICLE	IF	CITATIONS
1	Flash Signal Evolution, Mate Choice, and Predation in Fireflies. <i>Annual Review of Entomology</i> , 2008, 53, 293-321.	5.7	238
2	The impact of artificial light at night on nocturnal insects: A review and synthesis. <i>Ecology and Evolution</i> , 2018, 8, 11337-11358.	0.8	212
3	Sources of Intraspecific Variation in Sperm Precedence in Red Flour Beetles. <i>American Naturalist</i> , 1990, 135, 351-359.	1.0	189
4	International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020, 4, 174-176.	3.4	176
5	Nitric Oxide and the Control of Firefly Flashing. <i>Science</i> , 2001, 292, 2486-2488.	6.0	147
6	Sexual selection in flour beetles: the relationship between sperm precedence and male olfactory attractiveness. <i>Behavioral Ecology</i> , 1994, 5, 223-224.	1.0	108
7	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <i>ELife</i> , 2018, 7, .	2.8	108
8	An integrative view of sexual selection in <i>Tribolium</i> flour beetles. <i>Biological Reviews</i> , 2008, 83, 151-171.	4.7	105
9	The influence of male ejaculate quantity on female fitness: a meta-analysis. <i>Biological Reviews</i> , 2011, 86, 299-309.	4.7	93
10	The Evolution of Animal Nuptial Gifts. <i>Advances in the Study of Behavior</i> , 2012, 44, 53-97.	1.0	90
11	Energy and Predation Costs of Firefly Courtship Signals. <i>American Naturalist</i> , 2007, 170, 702-708.	1.0	83
12	A Global Perspective on Firefly Extinction Threats. <i>BioScience</i> , 2020, 70, 157-167.	2.2	79
13	Chronic parrotfish grazing impedes coral recovery after bleaching. <i>Coral Reefs</i> , 2006, 25, 361-368.	0.9	74
14	Mechanisms of Sperm Transfer and Storage in the Red Flour Beetle (Coleoptera: Tenebrionidae). <i>Annals of the Entomological Society of America</i> , 1996, 89, 892-897.	1.3	70
15	Emerging issues in the evolution of animal nuptial gifts. <i>Biology Letters</i> , 2014, 10, 20140336.	1.0	68
16	Female role in sperm storage in the red flour beetle, <i>Tribolium castaneum</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 120, 641-647.	0.8	59
17	Fitness advantage from nuptial gifts in female fireflies. <i>Ecological Entomology</i> , 2002, 27, 373-377.	1.1	54
18	Sperm precedence and sperm storage in multiply mated red flour beetles. <i>Behavioral Ecology and Sociobiology</i> , 1998, 43, 365-369.	0.6	50

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19	Sound production during feeding in Hippocampus seahorses (Syngnathidae). <i>Environmental Biology of Fishes</i> , 1998, 51, 221-229.	0.4	49
20	Nuptial Gifts and Sexual Selection in Photinus Fireflies. <i>Integrative and Comparative Biology</i> , 2004, 44, 234-237.	0.9	48
21	Female influence over offspring paternity in the red flour beetle <i>Tribolium castaneum</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1393-1399.	1.2	47
22	Fitness consequences of differences in male mating behaviour in relation to female reproductive status in flour beetles. <i>Animal Behaviour</i> , 1995, 50, 1157-1160.	0.8	44
23	The formation, transfer, and fate of spermatophores in <i>Photinus</i> fireflies (Coleoptera: Lampyridae). <i>Evolution</i> , 2004, 58, 1074-1084.	0.4	44
24	Shell choice in <i>Pagurus longicarpus</i> hermit crabs: does predation threat influence shell selection behavior?. <i>Behavioral Ecology and Sociobiology</i> , 2004, 56, 171-176.	0.6	44
25	Reproductive Ecology of Two Species of Photinus Fireflies (Coleoptera: Lampyridae). <i>Psyche: Journal of Entomology</i> , 1991, 98, 293-307.	0.4	42
26	CORRELATED EVOLUTION OF FEMALE NEOTENY AND FLIGHTLESSNESS WITH MALE SPERMATOPHORE PRODUCTION IN FIREFLIES (COLEOPTERA: LAMPYRIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1099-1113.	1.1	41
27	Multiple mating and repeated copulations: effects on male reproductive success in red flour beetles. <i>Animal Behaviour</i> , 2004, 67, 799-804.	0.8	38
28	Firefly Courtship: Behavioral and Morphological Predictors of Male Mating Success in <i>Photinus greeni</i> . <i>Ethology</i> , 2006, 112, 485-492.	0.5	35
29	MALE COURTSHIP ATTRACTIVENESS AND PATERNITY SUCCESS IN <i>PHOTINUS GREENI</i> FIREFLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 431-439.	1.1	35
30	Male courtship signals and female signal assessment in <i>Photinus greeni</i> fireflies. <i>Behavioral Ecology</i> , 2006, 17, 329-335.	1.0	31
31	Firefly flashing and jumping spider predation. <i>Animal Behaviour</i> , 2012, 83, 81-86.	0.8	31
32	Predators selectively graze reproductive structures in a clonal marine organism. <i>Marine Biology</i> , 2009, 156, 569-577.	0.7	30
33	Pheromone Production by Male <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) Is Influenced by Diet Quality. <i>Journal of Economic Entomology</i> , 2010, 103, 1915-1919.	0.8	30
34	Proximal traits and mechanisms for biasing paternity in the red flour beetle <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae). <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 844-853.	0.6	29
35	Social context of shell acquisition in <i>Coenobita clypeatus</i> hermit crabs. <i>Behavioral Ecology</i> , 2010, 21, 639-646.	1.0	28
36	Sperm stratification and paternity success in red flour beetles. <i>Physiological Entomology</i> , 2005, 30, 303-307.	0.6	27

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37	Limits to Nuptial Gift Production by Male Fireflies, <i>Photinus ignitus</i> . <i>Journal of Insect Behavior</i> , 2003, 16, 361-370.	0.4	26
38	Male mate choice favors more colorful females in the gift-giving cabbage butterfly. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1539-1547.	0.6	26
39	Seasonal Variation in Mate Choice of <i>Photinus ignitus</i> Fireflies. <i>Ethology</i> , 2005, 111, 89-100.	0.5	24
40	Vacancy Chains Provide Aggregate Benefits To <i>Coenobita clypeatus</i> Hermit Crabs. <i>Ethology</i> , 2009, 115, 356-365.	0.5	22
41	Narrow-spectrum artificial light silences female fireflies (Coleoptera: Lampyridae). <i>Insect Conservation and Diversity</i> , 2021, 14, 199-210.	1.4	21
42	The femoral setiferous glands of <i>Tribolium castaneum</i> males and production of the pheromone 4,8-dimethyldecanal. <i>Entomologia Experimentalis Et Applicata</i> , 1998, 89, 313-317.	0.7	19
43	Notes on the Life History and Mating Behavior of <i>Ellychnia corrusca</i> (Coleoptera: Lampyridae). <i>Florida Entomologist</i> , 2000, 83, 324.	0.2	19
44	Linking the seven forms of rarity to extinction threats and risk factors: an assessment of North American fireflies. <i>Biodiversity and Conservation</i> , 2020, 29, 57-75.	1.2	18
45	Examining the Role of Cuticular Hydrocarbons in Firefly Species Recognition. <i>Ethology</i> , 2008, 114, 916-924.	0.5	17
46	Firefly tourism: Advancing a global phenomenon toward a brighter future. <i>Conservation Science and Practice</i> , 2021, 3, e391.	0.9	17
47	Evaluating firefly extinction risk: Initial red list assessments for North America. <i>PLoS ONE</i> , 2021, 16, e0259379.	1.1	17
48	The production and transfer of spermatophores in three Asian species of <i>Luciola</i> fireflies. <i>Journal of Insect Physiology</i> , 2008, 54, 861-866.	0.9	16
49	Sex-specific response to nutrient limitation and its effects on female mating success in a gift-giving butterfly. <i>Evolutionary Ecology</i> , 2013, 27, 1145-1158.	0.5	16
50	Courtship and Mating in <i>Phausis reticulata</i> (Coleoptera: Lampyridae): Male Flight Behaviors, Female Glow Displays, and Male Attraction to Light Traps. <i>Florida Entomologist</i> , 2014, 97, 1290-1307.	0.2	16
51	Male reproductive allocation in fireflies (<i>Photinus</i> spp.). <i>Invertebrate Biology</i> , 2007, 126, 74-80.	0.3	14
52	Mate Recognition and Sex Differences in Cuticular Hydrocarbons of the Diurnal Firefly <i>Ellychnia corrusca</i> (Coleoptera: Lampyridae). <i>Annals of the Entomological Society of America</i> , 2010, 103, 128-133.	1.3	13
53	Mate Recognition and Sex Differences in Cuticular Hydrocarbons of the Diurnal Firefly <i>Ellychnia corrusca</i> (Coleoptera: Lampyridae). <i>Annals of the Entomological Society of America</i> , 2010, 103, 128-133.	1.3	13
54	Multimodal signals: ultraviolet reflectance and chemical cues in stomatopod agonistic encounters. <i>Royal Society Open Science</i> , 2016, 3, 160329.	1.1	13

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55	Nuptial gifts. <i>Current Biology</i> , 2011, 21, R644-R645.	1.8	12
56	Molecular characterization of firefly nuptial gifts: a multi-omics approach sheds light on postcopulatory sexual selection. <i>Scientific Reports</i> , 2016, 6, 38556.	1.6	11
57	The Dark Side of the Light Show: Predators of Fireflies in the Great Smoky Mountains. <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-7.	0.4	10
58	Sexual dimorphism, mating systems, and nuptial gifts in two Asian fireflies (Coleoptera: Lampyridae). <i>Journal of Insect Physiology</i> , 2012, 58, 1485-1492.	0.9	10
59	Distribution, abundance, and habitat characteristics of the congregating firefly, <i>Pteroptyx Olivier</i> (Coleoptera: Lampyridae) in Thailand. <i>Journal of Asia-Pacific Biodiversity</i> , 2020, 13, 358-366.	0.2	10
60	Effects of artificial light on growth, development, and dispersal of two North American fireflies (Coleoptera: Lampyridae). <i>Journal of Insect Physiology</i> , 2021, 130, 104200.	0.9	8
61	Modeling effects of harvest on firefly population persistence. <i>Ecological Modelling</i> , 2013, 256, 43-52.	1.2	7
62	Linking larval nutrition to adult reproductive traits in the European corn borer <i>Ostrinia nubilalis</i> . <i>Physiological Entomology</i> , 2015, 40, 309-316.	0.6	7
63	Molecular dissection of nuptial gifts in divergent strains of <i>O. strinia</i> moths. <i>Physiological Entomology</i> , 2018, 43, 10-19.	0.6	7
64	Costs and benefits of "insect friendly" artificial lights are taxon specific. <i>Oecologia</i> , 2022, 199, 487-497.	0.9	6
65	Differences in signal contrast and camouflage among different colour variations of a stomatopod crustacean, <i>Neogonodactylus oerstedii</i> . <i>Scientific Reports</i> , 2020, 10, 1236.	1.6	4
66	Assessing Condition-dependence of Male Flash Signals in <i>Photinus</i> Fireflies. <i>Journal of Insect Behavior</i> , 2010, 23, 215-225.	0.4	3
67	Evaluating Cryptic Female Choice in Highly Promiscuous <i>Tribolium</i> Beetles. , 2015, , 431-459.		2
68	Fluorescence in Fireflies (Coleoptera: Lampyridae): Using Sentinel Prey to Investigate a Possible Aposematic Signal. <i>Florida Entomologist</i> , 2019, 102, 614.	0.2	1