

Sara M Lewis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

2,336
citations

29
h-index

47
g-index

72
ext. papers

2,771
ext. citations

3.7
avg, IF

5.3
L-index

#	Paper	IF	Citations
69	Evaluating firefly extinction risk: Initial red list assessments for North America. <i>PLoS ONE</i> , 2021 , 16, e0259379	3.7	1
68	Narrow-spectrum artificial light silences female fireflies (Coleoptera: Lampyridae). <i>Insect Conservation and Diversity</i> , 2021 , 14, 199-210	3.8	10
67	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	2.4	3
66	Firefly tourism: Advancing a global phenomenon toward a brighter future. <i>Conservation Science and Practice</i> , 2021 , 3, e391	2.2	3
65	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	0.6	4
64	A Global Perspective on Firefly Extinction Threats. <i>BioScience</i> , 2020 , 70, 157-167	5.7	39
63	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	4.9	4
62	International scientists formulate a roadmap for insect conservation and recovery. <i>Nature Ecology and Evolution</i> , 2020 , 4, 174-176	12.3	98
61	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	3.4	10
60	Fluorescence in Fireflies (Coleoptera: Lampyridae): Using Sentinel Prey to Investigate a Possible Aposematic Signal. <i>Florida Entomologist</i> , 2019 , 102, 614	1	1
59	Molecular dissection of nuptial gifts in divergent strains of <i>Ostrinia</i> moths. <i>Physiological Entomology</i> , 2018 , 43, 10-19	1.9	4
58	The impact of artificial light at night on nocturnal insects: A review and synthesis. <i>Ecology and Evolution</i> , 2018 , 8, 11337-11358	2.8	107
57	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <i>ELife</i> , 2018 , 7,	8.9	64
56	Silent Sparks 2016 ,		8
55	Multimodal signals: ultraviolet reflectance and chemical cues in stomatopod agonistic encounters. <i>Royal Society Open Science</i> , 2016 , 3, 160329	3.3	13
54	Molecular characterization of firefly nuptial gifts: a multi-omics approach sheds light on postcopulatory sexual selection. <i>Scientific Reports</i> , 2016 , 6, 38556	4.9	9
53	Linking larval nutrition to adult reproductive traits in the European corn borer <i>Ostrinia nubilalis</i> . <i>Physiological Entomology</i> , 2015 , 40, 309-316	1.9	4

52	Evaluating Cryptic Female Choice in Highly Promiscuous Tribolium Beetles 2015 , 431-459		2
51	Male mate choice favors more colorful females in the gift-giving cabbage butterfly. <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 1539-1547	2.5	22
50	Courtship and Mating in <i>Phaenicia reticulata</i> (Coleoptera: Lampyridae): Male Flight Behaviors, Female Glow Displays, and Male Attraction to Light Traps. <i>Florida Entomologist</i> , 2014 , 97, 1290-1307	1	12
49	Emerging issues in the evolution of animal nuptial gifts. <i>Biology Letters</i> , 2014 , 10,	3.6	54
48	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	1.8	13
47	Modeling effects of harvest on firefly population persistence. <i>Ecological Modelling</i> , 2013 , 256, 43-52	3	6
46	Sexual dimorphism, mating systems, and nuptial gifts in two Asian fireflies (Coleoptera: Lampyridae). <i>Journal of Insect Physiology</i> , 2012 , 58, 1485-92	2.4	6
45	The Evolution of Animal Nuptial Gifts. <i>Advances in the Study of Behavior</i> , 2012 , 44, 53-97	3.4	68
44	Firefly flashing and jumping spider predation. <i>Animal Behaviour</i> , 2012 , 83, 81-86	2.8	26
43	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	0.2	6
42	The influence of male ejaculate quantity on female fitness: a meta-analysis. <i>Biological Reviews</i> , 2011 , 86, 299-309	13.5	81
41	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	13.8	32
40	Nuptial gifts. <i>Current Biology</i> , 2011 , 21, R644-5	6.3	11
39	Social context of shell acquisition in <i>Coenobita clypeatus</i> hermit crabs. <i>Behavioral Ecology</i> , 2010 , 21, 639-646	6.46	21
38	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	2	11
37	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	2	8
36	Pheromone production by male <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) is influenced by diet quality. <i>Journal of Economic Entomology</i> , 2010 , 103, 1915-9	2.2	24
35	Assessing Condition-dependence of Male Flash Signals in <i>Photinus</i> Fireflies. <i>Journal of Insect Behavior</i> , 2010 , 23, 215-225	1.1	3

34	Predators selectively graze reproductive structures in a clonal marine organism. <i>Marine Biology</i> , 2009 , 156, 569-577	2.5	27
33	Vacancy Chains Provide Aggregate Benefits To <i>Coenobita clypeatus</i> Hermit Crabs. <i>Ethology</i> , 2009 , 115, 356-365	1.7	17
32	An integrative view of sexual selection in <i>Tribolium</i> flour beetles. <i>Biological Reviews</i> , 2008 , 83, 151-71	13.5	84
31	Examining the Role of Cuticular Hydrocarbons in Firefly Species Recognition. <i>Ethology</i> , 2008 , 114, 916-924	2.7	14
30	The production and transfer of spermatophores in three Asian species of <i>Luciola</i> fireflies. <i>Journal of Insect Physiology</i> , 2008 , 54, 861-6	2.4	12
29	Flash signal evolution, mate choice, and predation in fireflies. <i>Annual Review of Entomology</i> , 2008 , 53, 293-321	21.8	181
28	Energy and predation costs of firefly courtship signals. <i>American Naturalist</i> , 2007 , 170, 702-8	3.7	63
27	Male courtship attractiveness and paternity success in <i>Photinus greeni</i> fireflies. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 431-9	3.8	31
26	Male reproductive allocation in fireflies (<i>Photinus</i> spp.). <i>Invertebrate Biology</i> , 2007 , 126, 74-80	1	14
25	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	2.5	27
24	Male courtship signals and female signal assessment in <i>Photinus greeni</i> fireflies. <i>Behavioral Ecology</i> , 2006 , 17, 329-335	2.3	27
23	Firefly Courtship: Behavioral and Morphological Predictors of Male Mating Success in <i>Photinus greeni</i> . <i>Ethology</i> , 2006 , 112, 485-492	1.7	32
22	Chronic parrotfish grazing impedes coral recovery after bleaching. <i>Coral Reefs</i> , 2006 , 25, 361-368	4.2	62
21	Seasonal Variation in Mate Choice of <i>Photinus ignitus</i> Fireflies. <i>Ethology</i> , 2005 , 111, 89-100	1.7	23
20	Sperm stratification and paternity success in red flour beetles. <i>Physiological Entomology</i> , 2005 , 30, 303-307	3.7	19
19	Nuptial gifts and sexual selection in <i>photinus</i> fireflies. <i>Integrative and Comparative Biology</i> , 2004 , 44, 234-7	2.8	36
18	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, 1393-9	4.4	42
17	Multiple mating and repeated copulations: effects on male reproductive success in red flour beetles. <i>Animal Behaviour</i> , 2004 , 67, 799-804	2.8	35

16	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	2.5	36
15	Limits to Nuptial Gift Production by Male Fireflies, <i>Photinus ignitus</i> . <i>Journal of Insect Behavior</i> , 2003 , 16, 361-370	1.1	21
14	Fitness advantage from nuptial gifts in female fireflies. <i>Ecological Entomology</i> , 2002 , 27, 373-377	2.1	39
13	Nitric oxide and the control of firefly flashing. <i>Science</i> , 2001 , 292, 2486-8	33.3	114
12	Notes on the Life History and Mating Behavior of <i>Ellychnia corrusca</i> (Coleoptera: Lampyridae). <i>Florida Entomologist</i> , 2000 , 83, 324	1	13
11	Sound production during feeding in Hippocampus seahorses (Syngnathidae). <i>Environmental Biology of Fishes</i> , 1998 , 51, 221-229	1.6	38
10	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	2.6	46
9	Sperm precedence and sperm storage in multiply mated red flour beetles. <i>Behavioral Ecology and Sociobiology</i> , 1998 , 43, 365-369	2.5	44
8	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	2.1	17
7	The formation, transfer, and fate of spermatophores in <i>Photinus</i> fireflies (Coleoptera: Lampyridae). <i>Canadian Journal of Zoology</i> , 1997 , 75, 1202-1207	1.5	32
6	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	2	61
5	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	2.8	36
4	Sexual selection in flour beetles: the relationship between sperm precedence and male olfactory attractiveness. <i>Behavioral Ecology</i> , 1994 , 5, 223-224	2.3	93
3	Reproductive Ecology of Two Species of <i>Photinus</i> Fireflies (Coleoptera: Lampyridae). <i>Psyche: Journal of Entomology</i> , 1991 , 98, 293-307	0.2	36
2	Sources of Intraspecific Variation in Sperm Precedence in Red Flour Beetles. <i>American Naturalist</i> , 1990 , 135, 351-359	3.7	175
1	Firefly genomes illuminate parallel origins of bioluminescence in beetles		1