Laura Corley Lavine

List of Publications by Year
in descending order

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Version: 2024-02-01

51 papers	2,806 citations	236925 25 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	2533 citing authors

#	Article	IF	Citations
1	The origin and evolution of animalâ€‰appendages. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5162-5166.	7.1	402
2	A Mechanism of Extreme Growth and Reliable Signaling in Sexually Selected Ornaments and Weapons. Science, 2012, 337, 860-864.	12.6	394
3	Urochordates Are Monophyletic Within the Deuterostomes. Systematic Biology, 2000, 49, 52-64.	5.6	218
4	On the origin and evolutionary diversification of beetle horns. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8661-8668.	7.1	171
5	Developmental Link between Sex and Nutrition; doublesex Regulates Sex-Specific Mandible Growth via Juvenile Hormone Signaling in Stag Beetles. PLoS Genetics, 2014, 10, e1004098.	3.5	138
6	Insecticide Resistance and Management Strategies in Urban Ecosystems. Insects, 2016, 7, 2.	2.2	126
7	Insulin signaling and limb-patterning: candidate pathways for the origin and evolutionary diversification of beetle â€˜hornsâ€™. Heredity, 2006, 97, 179-191.	2.6	122
8	Juvenile Hormone Regulates Extreme Mandible Growth in Male Stag Beetles. PLoS ONE, 2011, 6, e21139.	2.5	102
9	Competition induces adaptive shifts in caste ratios of a polyembryonic wasp. Nature, 2000, 406, 183-186.	27.8	92
10	A general mechanism for conditional expression of exaggerated sexuallyâ€selected traits. BioEssays, 2013, 35, 889-899.	2.5	75
11	Exaggerated Trait Growth in Insects. Annual Review of Entomology, 2015, 60, 453-472.	11.8	73
12	Host quality induces phenotypic plasticity in a wing polyphenic insect. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7563-7568.	7.1	55
13	Genetic variation and asexual reproduction in the facultatively parthenogenetic cockroachNauphoeta cinerea: implications for the evolution of sex. Journal of Evolutionary Biology, 2001, 14, 68-74.	1.7	49
14	Soldier Morphogenesis in the Dampâ€‹scp›W‹/scp›ood Termite Is Regulated by the Insulin Signaling Pathway. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 295-306.	1.3	49
15	Caste determination in a polyembryonic wasp involves inheritance of germ cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10095-10100.	7.1	48
16	Transcriptome-Based Identification of ABC Transporters in the Western Tarnished Plant Bug Lygus hesperus. PLoS ONE, 2014, 9, e113046.	2.5	48
17	Rhinoceros beetle horn development reveals deep parallels with dung beetles. PLoS Genetics, 2018, 14, e1007651.	3.5	45
18	Susceptibility of Cranberries to ‹I›Drosophila suzukii‹/I› (Diptera: Drosophilidae). Journal of Economic Entomology, 2013, 106, 2424-2427.	1.8	37

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19	The Fat/Hippo signaling pathway links withinâ€disc morphogen patterning to wholeâ€animal signals during phenotypically plastic growth in insects. Developmental Dynamics, 2015, 244, 1039-1045.	1.8	37
20	Ecological Trade-offs between Migration and Reproduction Are Mediated by the Nutrition-Sensitive Insulin-Signaling Pathway. International Journal of Biological Sciences, 2016, 12, 607-616.	6.4	36
21	Developmental constraints on the mode of reproduction in the facultatively parthenogenetic cockroach Nauphoeta cinerea. Evolution & Development, 1999, 1, 90-99.	2.0	33
22	Is diversification in male reproductive traits driven by evolutionary trade-offs between weapons and nuptial gifts?. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150247.	2.6	32
23	Evasion of encapsulation by the polyembryonic parasitoid Copidosoma floridanum is mediated by a polar body-derived extraembryonic membrane. Journal of Invertebrate Pathology, 2003, 83, 86-89.	3.2	30
24	A review of insect stem cell types. Seminars in Cell and Developmental Biology, 2006, 17, 510-517.	5.0	27
25	Mechanisms of resistance to three mite growth inhibitors ofTetranychus urticaein hops. Bulletin of Entomological Research, 2018, 108, 23-34.	1.0	27
26	Misdiagnosis of Spider Bites: Bacterial Associates, Mechanical Pathogen Transfer, and Hemolytic Potential of Venom From the Hobo Spider, Tegenaria agrestis (Araneae: Agelenidae). Journal of Medical Entomology, 2011, 48, 382-388.	1.8	26
27	Selection of Reference Genes for Expression Studies of Xenobiotic Adaptation in Tetranychus urticae. International Journal of Biological Sciences, 2016, 12, 1129-1139.	6.4	26
28	FOXO links wing form polyphenism and wound healing in the brown planthopper, Nilaparvata lugens. Insect Biochemistry and Molecular Biology, 2016, 70, 24-31.	2.7	26
29	JNK signaling mediates wing form polymorphism in brown planthoppers (Nilaparvata lugens). Insect Biochemistry and Molecular Biology, 2016, 73, 55-61.	2.7	24
30	Identification of an alternative knockdown resistance (kdr)-like mutation, M918L, and a novel mutation, V1010A, in theThrips tabacivoltage-gated sodium channel gene. Pest Management Science, 2014, 70, 977-981.	3.4	23
31	CLONING AND CHARACTERIZATION OF AN mRNA ENCODING AN INSULIN RECEPTOR FROM THE HORNED SCARAB BEETLE Onthophagus nigriventris (COLEOPTERA: SCARABAEIDAE). Archives of Insect Biochemistry and Physiology, 2013, 82, 43-57.	1.5	20
32	Endocrine regulation of a dispersal polymorphism in winged insects: a short review. Current Opinion in Insect Science, 2018, 25, 20-24.	4.4	17
33	Both endogenous and environmental factors affect embryo proliferation in the polyembryonic wasp Copidosoma floridanum. Evolution & Development, 2005, 7, 115-121.	2.0	16
34	Cell Cycle Progression Determines Wing Morph in the Polyphenic Insect Nilaparvata lugens. IScience, 2020, 23, 101040.	4.1	16
35	Insights into the Development and Evolution of Exaggerated Traits Using De Novo Transcriptomes of Two Species of Horned Scarab Beetles. PLoS ONE, 2014, 9, e88364.	2.5	15
36	The function of appendage patterning genes in mandible development of the sexually dimorphic stag beetle. Developmental Biology, 2017, 422, 24-32.	2.0	15

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37	Mechanisms regulating phenotypic plasticity in wing polyphenic insects. Advances in Insect Physiology, 2019, 56, 43-72.	2.7	15
38	Identification of Lygus hesperus by DNA Barcoding Reveals Insignificant Levels of Genetic Structure among Distant and Habitat Diverse Populations. PLoS ONE, 2012, 7, e34528.	2.5	14
39	Flight behavior of the rhinoceros beetleTrypoxylus dichotomusduring electrical nerve stimulation. Bioinspiration and Biomimetics, 2012, 7, 036021.	2.9	13
40	OUP accepted manuscript. Journal of Economic Entomology, 2018, 111, 2831-2843.	1.8	13
41	Endocrine Control of Exaggerated Trait Growth in Rhinoceros Beetles. Integrative and Comparative Biology, 2016, 56, 247-259.	2.0	12
42	The Fat-Dachsous signaling pathway regulates growth of horns in Trypoxylus dichotomus, but does not affect horn allometry. Journal of Insect Physiology, 2018, 105, 85-94.	2.0	11
43	Manipulation of soil temperatures to influence brood emergence in the alkali bee (Nomia melanderi). Apidologie, 2013, 44, 286-294.	2.0	10
44	The activin signaling transcription factor Smox is an essential regulator of appendage size during regeneration after autotomy in the crayfish. Evolution & Development, 2019, 21, 44-55.	2.0	8
45	Radical paradigm shifts in Evoâ€“Devo. Trends in Ecology and Evolution, 2002, 17, 544-545.	8.7	6
46	The Insulin Signaling Substrate Chico and the Ecdysone Response Element Broad Both Regulate Growth of the Head Horns in the Asian Rhinoceros Beetle, Trypoxylus dichotomus. Integrative and Comparative Biology, 2019, 59, 1338-1345.	2.0	4
47	Variation in an Extreme Weapon: Horn Performance Differences across Rhinoceros Beetle (Trypoxylus) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	4
48	Microevolution and development: studies of the genetic basis of adaptive variation in insects. Evolution & Development, 2005, 7, 79-80.	2.0	3
49	External Mentor Program: A Pathway to Career Advancement for Women in STEM. , 2018, 1, .		2
50	Roaches, apoptosis and the ovarian clock: use it or lose it. Heredity, 2009, 103, 192-193.	2.6	1
51	Towards a better understanding of life. Trends in Ecology and Evolution, 2010, 25, 135-136.	8.7	0