

Jules Silverman

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.

47
papers

1,057
citations

18
h-index

31
g-index

47
ext. papers

1,180
ext. citations

4
avg, IF

4.45
L-index

#	Paper	IF	Citations
47	Rapid evolution of an adaptive taste polymorphism disrupts courtship behavior.. <i>Communications Biology</i> , 2022 , 5, 450	6.7	1
46	Comparison of Diet Preferences of Laboratory-Reared and Apartment-Collected German Cockroaches. <i>Journal of Economic Entomology</i> , 2021 , 114, 2189-2197	2.2	0
45	Changes in the Peripheral Chemosensory System Drive Adaptive Shifts in Food Preferences in Insects. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 281	6.1	12
44	Persistence of a sugar-rejecting cockroach genotype under various dietary regimes. <i>Scientific Reports</i> , 2017 , 7, 46361	4.9	4
43	Effects of foraging distance on macronutrient balancing and performance in the German cockroach <i>Blattella germanica</i> . <i>Journal of Experimental Biology</i> , 2017 , 220, 304-311	3	2
42	Insecticide resistance and nutrition interactively shape life-history parameters in German cockroaches. <i>Scientific Reports</i> , 2016 , 6, 28731	4.9	17
41	Insecticide resistance and diminished secondary kill performance of bait formulations against German cockroaches (Dictyoptera: Blattellidae). <i>Pest Management Science</i> , 2016 , 72, 1778-84	4.6	29
40	Diet quality affects bait performance in German cockroaches (Dictyoptera: Blattellidae). <i>Pest Management Science</i> , 2016 , 72, 1826-36	4.6	11
39	Gustatory adaptation affects sexual maturation in male German cockroaches, <i>Blattella germanica</i> . <i>Physiological Entomology</i> , 2016 , 41, 19-23	1.9	4
38	Suboptimal nutrient balancing despite dietary choice in glucose-averse German cockroaches, <i>Blattella germanica</i> . <i>Journal of Insect Physiology</i> , 2015 , 81, 42-7	2.4	6
37	Aphid honeydew provides a nutritionally balanced resource for incipient Argentine ant mutualists. <i>Animal Behaviour</i> , 2014 , 95, 33-39	2.8	15
36	Sugar aversion: A newly-acquired adaptive change in gustatory receptor neurons in the German cockroach. <i>Hikaku Seiri Seikagaku(Comparative Physiology and Biochemistry)</i> , 2014 , 31, 220-230	0	4
35	Submissive behaviour and habituation facilitate entry into habitat occupied by an invasive ant. <i>Animal Behaviour</i> , 2013 , 86, 497-506	2.8	9
34	Towards a nutritional ecology of invasive establishment: aphid mutualists provide better fuel for incipient Argentine ant colonies than insect prey. <i>Biological Invasions</i> , 2013 , 15, 829-836	2.7	29
33	Changes in taste neurons support the emergence of an adaptive behavior in cockroaches. <i>Science</i> , 2013 , 340, 972-5	33.3	76
32	Propagule pressure and climate contribute to the displacement of <i>Linepithema humile</i> by <i>Pachycondyla chinensis</i> . <i>PLoS ONE</i> , 2013 , 8, e56281	3.7	19
31	Fusion Between Southeastern United States Argentine Ant Colonies and Its Effect on Colony Size and Productivity. <i>Annals of the Entomological Society of America</i> , 2012 , 105, 268-274	2	3

30	Effect of scattered and discrete hydramethylnon bait placement on the Asian needle ant. <i>Journal of Economic Entomology</i> , 2012 , 105, 1751-7	2.2	5
29	Urban areas may serve as habitat and corridors for dry-adapted, heat tolerant species; an example from ants. <i>Urban Ecosystems</i> , 2011 , 14, 135-163	2.8	79
28	Tandem carrying, a new foraging strategy in ants: description, function, and adaptive significance relative to other described foraging strategies. <i>Die Naturwissenschaften</i> , 2011 , 98, 651-9	2	13
27	The Argentine ant persists through unfavorable winters via a mutualism facilitated by a native tree. <i>Environmental Entomology</i> , 2011 , 40, 1019-26	2.1	13
26	Differential inputs from chemosensory appendages mediate feeding responses to glucose in wild-type and glucose-averse German cockroaches, <i>Blattella germanica</i> . <i>Chemical Senses</i> , 2011 , 36, 589-600	4.8	24
25	Is it easy to be urban? Convergent success in urban habitats among lineages of a widespread native ant. <i>PLoS ONE</i> , 2010 , 5, e9194	3.7	34
24	Argentine ant invasion associated with loblolly pines in the southeastern United States: minimal impacts but seasonally sustained. <i>Environmental Entomology</i> , 2010 , 39, 1141-50	2.1	5
23	Invasive Argentine ants reduce fitness of red maple via a mutualism with an endemic coccid. <i>Biological Invasions</i> , 2010 , 12, 2051-2057	2.7	27
22	Carbohydrate supply limits invasion of natural communities by Argentine ants. <i>Oecologia</i> , 2009 , 161, 161-71	2.9	39
21	Colony fusion in Argentine ants is guided by worker and queen cuticular hydrocarbon profile similarity. <i>Journal of Chemical Ecology</i> , 2009 , 35, 922-32	2.7	19
20	Intraspecific aggression and colony fusion in the Argentine ant. <i>Animal Behaviour</i> , 2008 , 75, 583-593	2.8	28
19	The Argentine ant: challenges in managing an invasive unicolonial pest. <i>Annual Review of Entomology</i> , 2008 , 53, 231-52	21.8	89
18	Cuticular hydrocarbons as queen adoption cues in the invasive Argentine ant. <i>Journal of Experimental Biology</i> , 2008 , 211, 1249-56	3	18
17	Queen acceptance and the complexity of nestmate discrimination in the Argentine ant. <i>Behavioral Ecology and Sociobiology</i> , 2008 , 62, 537-548	2.5	16
16	Geographical variation in Argentine ant aggression behaviour mediated by environmentally derived nestmate recognition cues. <i>Animal Behaviour</i> , 2006 , 71, 327-335	2.8	44
15	Trap-mulching Argentine ants. <i>Journal of Economic Entomology</i> , 2006 , 99, 1757-60	2.2	4
14	Effects of interspecific competition between two urban ant species, <i>Linepithema humile</i> and <i>Monomorium minimum</i> , on toxic bait performance. <i>Journal of Economic Entomology</i> , 2005 , 98, 493-501	2.2	8
13	Context-dependent nestmate discrimination and the effect of action thresholds on exogenous cue recognition in the Argentine ant. <i>Animal Behaviour</i> , 2005 , 69, 741-749	2.8	48

12	Diet-related modification of cuticular hydrocarbon profiles of the Argentine ant, <i>Linepithema humile</i> , diminishes intercolony aggression. <i>Journal of Chemical Ecology</i> , 2005 , 31, 829-43	2.7	68
11	The diminutive supercolony: the Argentine ants of the southeastern United States. <i>Molecular Ecology</i> , 2004 , 13, 2235-42	5.7	64
10	Effect of aromatic cedar mulch on Argentine ant (Hymenoptera: Formicidae) foraging activity and nest establishment. <i>Journal of Economic Entomology</i> , 2003 , 96, 850-5	2.2	11
9	Retrieval of granular bait by the Argentine ant (Hymenoptera: Formicidae): effect of clumped versus scattered dispersion patterns. <i>Journal of Economic Entomology</i> , 2003 , 96, 871-4	2.2	8
8	Effects of aromatic cedar mulch on the Argentine ant and the odorous house ant (Hymenoptera: Formicidae). <i>Journal of Economic Entomology</i> , 2001 , 94, 1526-31	2.2	17
7	Soil-Free Collection of Argentine Ants (Hymenoptera: Formicidae) Based on Food-Directed Brood and Queen Movement. <i>Florida Entomologist</i> , 2000 , 83, 10	1	9
6	Feeding Behavior and Survival of Glucose-Averse <i>Blattella germanica</i> (Orthoptera: Blattodea: Blattellidae) Provided Glucose as a Sole Food Source. <i>Journal of Insect Behavior</i> , 1998 , 11, 93-102	1.1	13
5	Behavioral Resistance of Field-Collected German Cockroaches (Blattodea: Blattellidae) to Baits Containing Glucose. <i>Environmental Entomology</i> , 1994 , 23, 425-430	2.1	39
4	Glucose aversion in the German cockroach, <i>Blattella germanica</i> . <i>Journal of Insect Physiology</i> , 1993 , 39, 925-933	2.4	67
3	Effect of Aromatic Cedar Mulch on Argentine Ant (Hymenoptera: Formicidae) Foraging Activity and Nest Establishment		2
2	Retrieval of Granular Bait by the Argentine Ant (Hymenoptera: Formicidae): Effect of Clumped Versus Scattered Dispersion Patterns		4
1	Behaviours Mediating Ant Invasions 221-244		1