

Colin S Brent

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,172
citations

218677

26
h-index

243625

44
g-index

70
all docs

70
docs citations

70
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014, 5, 3636.	12.8	371
2	Gustatory Perception and Fat Body Energy Metabolism Are Jointly Affected by Vitellogenin and Juvenile Hormone in Honey Bees. <i>PLoS Genetics</i> , 2012, 8, e1002779.	3.5	110
3	Oral transfer of chemical cues, growth proteins and hormones in social insects. <i>ELife</i> , 2016, 5, .	6.0	100
4	Maternal Effect on Female Caste Determination in a Social Insect. <i>Current Biology</i> , 2008, 18, 265-269.	3.9	85
5	Cuticular hydrocarbon profiles indicate reproductive status in the termite <i>Zootermopsis nevadensis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1799-1807.	1.4	73
6	Exaggerated Trait Growth in Insects. <i>Annual Review of Entomology</i> , 2015, 60, 453-472.	11.8	73
7	Worker division of labor and endocrine physiology are associated in the harvester ant, <i>Pogonomyrmex californicus</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 454-460.	1.7	68
8	Standard methods for physiology and biochemistry research in <i>Apis mellifera</i> . <i>Journal of Apicultural Research</i> , 2013, 52, 1-48.	1.5	65
9	Changes in juvenile hormone biosynthetic rate and whole body content in maturing virgin queens of <i>Solenopsis invicta</i> . <i>Journal of Insect Physiology</i> , 2003, 49, 967-974.	2.0	64
10	Hormonal correlates of reproductive status in the queenless ponerine ant, <i>Streblognathus peetersi</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 315-320.	1.6	55
11	Neurohormonal changes associated with ritualized combat and the formation of a reproductive hierarchy in the ant <i>Harpegnathos saltator</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 1496-503.	1.7	52
12	The role of reduced oxygen in the developmental physiology of growth and metamorphosis initiation in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 4334-4340.	1.7	51
13	Starvation stress during larval development facilitates an adaptive response in adult worker honey bees (<i>Apis mellifera</i> L.). <i>Journal of Experimental Biology</i> , 2016, 219, 949-959.	1.7	51
14	Endocrine changes in maturing primary queens of <i>Zootermopsis angusticollis</i> . <i>Journal of Insect Physiology</i> , 2005, 51, 1200-1209.	2.0	50
15	Reproduction, dominance, and caste: endocrine profiles of queens and workers of the ant <i>Harpegnathos saltator</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 1063-1071.	1.6	49
16	Sequencing and De Novo Assembly of the Western Tarnished Plant Bug (<i>Lygus hesperus</i>) Transcriptome. <i>PLoS ONE</i> , 2013, 8, e55105.	2.5	49
17	Transcriptome-Based Identification of ABC Transporters in the Western Tarnished Plant Bug <i>Lygus hesperus</i> . <i>PLoS ONE</i> , 2014, 9, e113046.	2.5	48
18	Hormone response to bidirectional selection on social behavior. <i>Evolution & Development</i> , 2010, 12, 428-436.	2.0	46

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19	Juvenile hormone levels reflect social opportunities in the facultatively eusocial sweat bee <i>Megalopta genalis</i> (Hymenoptera: Halictidae). <i>Hormones and Behavior</i> , 2013, 63, 1-4.	2.1	43
20	<i>Drosophila</i> Kruppel homolog 1 represses lipolysis through interaction with dFOXO. <i>Scientific Reports</i> , 2017, 7, 16369.	3.3	39
21	Individual differences in learning and biogenic amine levels influence the behavioural division between foraging honeybee scouts and recruits. <i>Journal of Animal Ecology</i> , 2019, 88, 236-246.	2.8	39
22	Reproduction of the western tarnished plant bug, <i>Lygus hesperus</i> , in relation to age, gonadal activity and mating status. <i>Journal of Insect Physiology</i> , 2010, 56, 28-34.	2.0	34
23	Regulatory roles of biogenic amines and juvenile hormone in the reproductive behavior of the western tarnished plant bug (<i>Lygus hesperus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 169-179.	1.5	34
24	Dual mechanism of queen influence over sex ratio in the ant <i>Pheidole pallidula</i> . <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 527-533.	1.4	33
25	Juvenile Hormone III but Not 20-Hydroxyecdysone Regulates the Embryonic Diapause of <i>Aedes albopictus</i> . <i>Frontiers in Physiology</i> , 2019, 10, 1352.	2.8	30
26	Molecular evolution of juvenile hormone esterase-like proteins in a socially exchanged fluid. <i>Scientific Reports</i> , 2018, 8, 17830.	3.3	27
27	Influence of sex-specific stimuli on ovarian maturation in primary and secondary reproductives of the dampwood termite <i>Zootermopsis angusticollis</i> . <i>Physiological Entomology</i> , 2001, 26, 239-247.	1.5	26
28	Endocrine physiology of the division of labour in <i>Pogonomyrmex californicus</i> founding queens. <i>Animal Behaviour</i> , 2009, 77, 1005-1010.	1.9	26
29	De novo construction of an expanded transcriptome assembly for the western tarnished plant bug, <i>Lygus hesperus</i> . <i>GigaScience</i> , 2016, 5, 6.	6.4	26
30	Effect of Enhanced Dietary Nitrogen on Reproductive Maturation of the Termite <i>Zootermopsis angusticollis</i> (Isoptera: Termitidae). <i>Environmental Entomology</i> , 2002, 31, 313-318.	1.4	24
31	Classification of Diapause Status by Color Phenotype in <i>Lygus hesperus</i> . <i>Journal of Insect Science</i> , 2012, 12, 1-14.	0.9	23
32	Stage-Specific Effects of Population Density on the Development and Fertility of the Western Tarnished Plant Bug, <i>Lygus hesperus</i> . <i>Journal of Insect Science</i> , 2010, 10, 1-15.	1.5	21
33	Head-butting as an Early Indicator of Reproductive Disinhibition in the Termite <i>Zootermopsis nevadensis</i> . <i>Journal of Insect Behavior</i> , 2013, 26, 23-34.	0.7	20
34	Female attractiveness modulated by a male-derived antiaphrodisiac pheromone in a plant bug. <i>Animal Behaviour</i> , 2011, 82, 937-943.	1.9	19
35	RNA interference-mediated knockdown of eye coloration genes in the western tarnished plant bug (<i>Lygus hesperus</i> Knight). <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 100, e21527.	1.5	19
36	Octopamine and tyramine modulate the thermoregulatory fanning response in honey bees (<i>Apis mellifera</i>). <i>Journal of Experimental Biology</i> , 2017, 230, 1-10.	1.7	18

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37	Endocrine effects of social stimuli on maturing queens of the dampwood termite <i>Zootermopsis angusticollis</i> . <i>Physiological Entomology</i> , 2007, 32, 26-33.	1.5	17
38	Characterization of male-derived factors inhibiting female sexual receptivity in <i>Lygus hesperus</i> . <i>Journal of Insect Physiology</i> , 2014, 60, 104-110.	2.0	16
39	CRISPR-mediated knockout of cardinal and cinnabar eye pigmentation genes in the western tarnished plant bug. <i>Scientific Reports</i> , 2022, 12, 4917.	3.3	14
40	Induction of a reproductive-specific cuticular hydrocarbon profile by a juvenile hormone analog in the termite <i>Zootermopsis nevadensis</i> . <i>Chemoecology</i> , 2016, 26, 195-203.	1.1	13
41	Young and old honeybee (<i>Apis mellifera</i>) larvae differentially prime the developmental maturation of their caregivers. <i>Animal Behaviour</i> , 2017, 124, 193-202.	1.9	13
42	Intergenerational effect of juvenile hormone on offspring in <i>Pogonomyrmex</i> harvester ants. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 991-999.	1.5	12
43	Postmating enhancement of fecundity in female <i>Lygus hesperus</i> . <i>Physiological Entomology</i> , 2011, 36, 141-148.	1.5	12
44	Population genetic structure and colony breeding system in dampwood termites (<i>Zootermopsis</i>). <i>Evolution</i> , 2010, 64, 1075-1085.	1.2	11
45	An insect anti-antiaphrodisiac. <i>ELife</i> , 2017, 6, .	6.0	11
46	Mate Preference and Disease Risk in <i>Zootermopsis angusticollis</i> (Isoptera: Termopsidae). <i>Environmental Entomology</i> , 2011, 40, 1554-1565.	1.4	10
47	Effect of diapause status and gender on activity, metabolism, and starvation resistance in the plant bug <i>Lygus hesperus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2013, 148, 152-160.	1.4	9
48	Juvenile Hormone Extraction, Purification, and Quantification in Ants. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5246-pdb.prot5246.	0.3	8
49	Biogenic amines shift during the pre-reproductive to reproductive transition in the small carpenter bee, <i>Ceratina calcarata</i> . <i>Apidologie</i> , 2019, 50, 90-99.	2.0	8
50	Benefits and Costs of Secondary Polygyny in the Dampwood Termite <i>Zootermopsis angusticollis</i> . <i>Environmental Entomology</i> , 2008, 37, 883-888.	1.4	7
51	TRPA1 modulates noxious odor responses in <i>Lygus hesperus</i> . <i>Journal of Insect Physiology</i> , 2020, 122, 104038.	2.0	6
52	Filling in the gaps: A reevaluation of the <i>Lygus hesperus</i> peptidome using an expanded de novo assembled transcriptome and molecular cloning. <i>General and Comparative Endocrinology</i> , 2021, 303, 113708.	1.8	6
53	Molecular and Functional Characterization of Pyrokinin-Like Peptides in the Western Tarnished Plant Bug <i>Lygus hesperus</i> (Hemiptera: Miridae). <i>Insects</i> , 2021, 12, 914.	2.2	5
54	Ant Ecdysteroid Extraction and Radioimmunoassay. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5247.	0.3	4

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55	Development and Survival of <i>Lygus hesperus</i> (Hemiptera: Miridae) Nymphs Under Constant and Variable Temperatures. <i>Journal of Insect Science</i> , 2019, 19, .	1.5	4
56	ECDYSTEROID AND CHITINASE FLUCTUATIONS IN THE WESTERN TARNISHED PLANT BUG (<i>Lygus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf Physiology</i> , 2016, 92, 108-126.	1.5	3
57	Egg Production and Longevity of <i>Lygus hesperus</i> (Hemiptera: Miridae) Adult Females Under Constant and Variable Temperatures. <i>Journal of Entomological Science</i> , 2019, 54, 181.	0.3	3
58	Benefits and Costs of Secondary Polygyny in the Dampwood Termite <i>Zootermopsis angusticollis</i> . <i>Environmental Entomology</i> , 2008, 37, 883-888.	1.4	2
59	Radiochemical Assay of Juvenile Hormone Biosynthesis Rate in Ants. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5248-pdb.prot5248.	0.3	2
60	Mating and social contact change egg production and longevity in adult females of the mirid <i>Lygus hesperus</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 545-554.	1.4	2
61	Reproductive Development of <i>Lygus hesperus</i> (Hemiptera: Miridae) Adults Under Constant and Variable Temperatures. <i>Journal of Insect Science</i> , 2019, 19, .	1.5	2
62	Foraging Experiences Durably Modulate Honey Bees'™ Sucrose Responsiveness and Antennal Lobe Biogenic Amine Levels. <i>Scientific Reports</i> , 2019, 9, 5393.	3.3	2
63	OUP accepted manuscript. <i>Journal of Economic Entomology</i> , 2022, , .	1.8	2
64	Diapause Termination and Postdiapause in <i>Lygus hesperus</i> (Heteroptera: Miridae). <i>Journal of Insect Science</i> , 2021, 21, .	1.5	1