

# 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  | OUP accepted manuscript. Journal of Economic Entomology, 2022, , .  | 1.8 | 2         |
| 2  | CRISPR-mediated knockout of cardinal and cinnabar eye pigmentation genes in the western tarnished plant bug. Scientific Reports, 2022, 12, 4917.  | 3.3 | 14        |
| 3  | Diapause Termination and Postdiapause in <i>Lygus hesperus</i> (Heteroptera: Miridae). Journal of Insect Science, 2021, 21, .   | 1.5 | 1         |
| 4  | Filling in the gaps: A reevaluation of the <i>Lygus hesperus</i> peptidome using an expanded de novo assembled transcriptome and molecular cloning. General and Comparative Endocrinology, 2021, 303, 113708. | 1.8 | 6         |
| 5  | Molecular and Functional Characterization of Pyrokinin-Like Peptides in the Western Tarnished Plant Bug <i>Lygus hesperus</i> (Hemiptera: Miridae). Insects, 2021, 12, 914.                                   | 2.2 | 5         |
| 6  | TRPA1 modulates noxious odor responses in <i>Lygus hesperus</i> . Journal of Insect Physiology, 2020, 122, 104038.  | 2.0 | 6         |
| 7  | Reproductive Development of <i>Lygus hesperus</i> (Hemiptera: Miridae) Adults Under Constant and Variable Temperatures. Journal of Insect Science, 2019, 19, .  | 1.5 | 2         |
| 8  | Juvenile Hormone III but Not 20-Hydroxyecdysone Regulates the Embryonic Diapause of <i>Aedes albopictus</i> . Frontiers in Physiology, 2019, 10, 1352.  | 2.8 | 30        |
| 9  | Development and Survival of <i>Lygus hesperus</i> (Hemiptera: Miridae) Nymphs Under Constant and Variable Temperatures. Journal of Insect Science, 2019, 19, .  | 1.5 | 4         |
| 10 | Foraging Experiences Durably Modulate Honey Bees'™ Sucrose Responsiveness and Antennal Lobe Biogenic Amine Levels. Scientific Reports, 2019, 9, 5393.   | 3.3 | 2         |
| 11 | RNA interference-mediated knockdown of eye coloration genes in the western tarnished plant bug ( <i>Lygus hesperus</i> Knight). Archives of Insect Biochemistry and Physiology, 2019, 100, e21527.            | 1.5 | 19        |
| 12 | Biogenic amines shift during the pre-reproductive to reproductive transition in the small carpenter bee, <i>Ceratina calcarata</i> . Apidologie, 2019, 50, 90-99.   | 2.0 | 8         |
| 13 | Individual differences in learning and biogenic amine levels influence the behavioural division between foraging honeybee scouts and recruits. Journal of Animal Ecology, 2019, 88, 236-246.                  | 2.8 | 39        |
| 14 | Egg Production and Longevity of <i>Lygus hesperus</i> (Hemiptera: Miridae) Adult Females Under Constant and Variable Temperatures. Journal of Entomological Science, 2019, 54, 181.                           | 0.3 | 3         |
| 15 | Molecular evolution of juvenile hormone esterase-like proteins in a socially exchanged fluid. Scientific Reports, 2018, 8, 17830.   | 3.3 | 27        |
| 16 | Mating and social contact change egg production and longevity in adult females of the mirid <i>Lygus hesperus</i> . Entomologia Experimentalis Et Applicata, 2018, 166, 545-554.                              | 1.4 | 2         |
| 17 | Young and old honeybee ( <i>Apis mellifera</i> ) larvae differentially prime the developmental maturation of their caregivers. Animal Behaviour, 2017, 124, 193-202.  | 1.9 | 13        |
| 18 | Octopamine and tyramine modulate the thermoregulatory fanning response in honey bees ( <i>Apis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5  | 1.7 | 18        |

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|----|---|------|-----------|
| 19 | Drosophila Kruppel homolog 1 represses lipolysis through interaction with dFOXO. Scientific Reports, 2017, 7, 16369.  | 3.3  | 39        |
| 20 | An insect anti-antiaphrodisiac. ELife, 2017, 6, .   | 6.0  | 11        |
| 21 | ECDYSTEROID AND CHITINASE FLUCTUATIONS IN THE WESTERN TARNISHED PLANT BUG (<i>Lygus Tj ETQq1 1 0.784314 rgBT /Over Physiology, 2016, 92, 108-126.   | 1.5  | 3         |
| 22 | Starvation stress during larval development facilitates an adaptive response in adult worker honey bees (<i>Apis mellifera</i> L.). Journal of Experimental Biology, 2016, 219, 949-959.  | 1.7  | 51        |
| 23 | Induction of a reproductive-specific cuticular hydrocarbon profile by a juvenile hormone analog in the termite <i>Zootermopsis nevadensis</i> . Chemoecology, 2016, 26, 195-203.  | 1.1  | 13        |
| 24 | De novo construction of an expanded transcriptome assembly for the western tarnished plant bug, <i>Lygus hesperus</i> . GigaScience, 2016, 5, 6.  | 6.4  | 26        |
| 25 | Regulatory roles of biogenic amines and juvenile hormone in the reproductive behavior of the western tarnished plant bug ( <i>Lygus hesperus</i> ). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 169-179. | 1.5  | 34        |
| 26 | Oral transfer of chemical cues, growth proteins and hormones in social insects. ELife, 2016, 5, .   | 6.0  | 100       |
| 27 | Exaggerated Trait Growth in Insects. Annual Review of Entomology, 2015, 60, 453-472.  | 11.8 | 73        |
| 28 | Neurohormonal changes associated with ritualized combat and the formation of a reproductive hierarchy in the ant <i>Harpegnathos saltator</i> . Journal of Experimental Biology, 2014, 217, 1496-503.   | 1.7  | 52        |
| 29 | Molecular traces of alternative social organization in a termite genome. Nature Communications, 2014, 5, 3636.  | 12.8 | 371       |
| 30 | Characterization of male-derived factors inhibiting female sexual receptivity in <i>Lygus hesperus</i> . Journal of Insect Physiology, 2014, 60, 104-110.   | 2.0  | 16        |
| 31 | Transcriptome-Based Identification of ABC Transporters in the Western Tarnished Plant Bug <i>Lygus hesperus</i> . PLoS ONE, 2014, 9, e113046.   | 2.5  | 48        |
| 32 | Effect of diapause status and gender on activity, metabolism, and starvation resistance in the plant bug <i>Lygus hesperus</i>. Entomologia Experimentalis Et Applicata, 2013, 148, 152-160.  | 1.4  | 9         |
| 33 | Head-butting as an Early Indicator of Reproductive Disinhibition in the Termite <i>Zootermopsis nevadensis</i> . Journal of Insect Behavior, 2013, 26, 23-34.   | 0.7  | 20        |
| 34 | Juvenile hormone levels reflect social opportunities in the facultatively eusocial sweat bee <i>Megalopta genalis</i> (Hymenoptera: Halictidae). Hormones and Behavior, 2013, 63, 1-4.  | 2.1  | 43        |
| 35 | Standard methods for physiology and biochemistry research in <i>Apis mellifera</i>. Journal of Apicultural Research, 2013, 52, 1-48.  | 1.5  | 65        |
| 36 | The role of reduced oxygen in the developmental physiology of growth and metamorphosis initiation in <i>Drosophila melanogaster</i> . Journal of Experimental Biology, 2013, 216, 4334-4340.  | 1.7  | 51        |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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       |
| 39 | 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        |
| 40 | 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        |
| 41 | Population genetic structure and colony breeding system in dampwood termites ( <i>Zootermopsis</i> )   | 1.2 | 11        |
| 42 | Mate Preference and Disease Risk in <i>Zootermopsis angusticollis</i> (Isoptera: Termopsidae). <i>Environmental Entomology</i> , 2011, 40, 1554-1565.  | 1.4 | 10        |
| 43 | Female attractiveness modulated by a male-derived antiaphrodisiac pheromone in a plant bug. <i>Animal Behaviour</i> , 2011, 82, 937-943.   | 1.9 | 19        |
| 44 | 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        |
| 45 | 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        |
| 46 | Postmating enhancement of fecundity in female <i>Lygus hesperus</i> . <i>Physiological Entomology</i> , 2011, 36, 141-148.   | 1.5 | 12        |
| 47 | 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        |
| 48 | Hormone response to bidirectional selection on social behavior. <i>Evolution &amp; Development</i> , 2010, 12, 428-436.  | 2.0 | 46        |
| 49 | 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        |
| 50 | Radiochemical Assay of Juvenile Hormone Biosynthesis Rate in Ants. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5248-pdb.prot5248.  | 0.3 | 2         |
| 51 | Ant Ecdysteroid Extraction and Radioimmunoassay. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5247.   | 0.3 | 4         |
| 52 | 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        |
| 53 | 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        |
| 54 | Juvenile Hormone Extraction, Purification, and Quantification in Ants. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5246-pdb.prot5246.  | 0.3 | 8         |

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|----|--|-----|-----------|
| 55 | Maternal Effect on Female Caste Determination in a Social Insect. <i>Current Biology</i> , 2008, 18, 265-269.  | 3.9 | 85        |
| 56 | 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         |
| 57 | 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         |
| 58 | 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        |
| 59 | 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        |
| 60 | Endocrine changes in maturing primary queens of <i>Zootermopsis angusticollis</i> . <i>Journal of Insect Physiology</i> , 2005, 51, 1200-1209.   | 2.0 | 50        |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | 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        |