

Brendan G Hunt

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,412
citations

257450

24
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

3575
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	Genomic signatures of evolutionary transitions from solitary to group living. <i>Science</i> , 2015, 348, 1139-1143.	12.6	357
3	The genome of the fire ant <i>Solenopsis invicta</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5679-5684.	7.1	322
4	DNA methylation is widespread and associated with differential gene expression in castes of the honeybee, <i>Apis mellifera</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11206-11211.	7.1	303
5	The Evolution of Invertebrate Gene Body Methylation. <i>Molecular Biology and Evolution</i> , 2012, 29, 1907-1916.	8.9	214
6	DNA methylation in insects: on the brink of the epigenomic era. <i>Insect Molecular Biology</i> , 2011, 20, 553-565.	2.0	211
7	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. <i>Genome Research</i> , 2013, 23, 1235-1247.	5.5	205
8	Relaxed selection is a precursor to the evolution of phenotypic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15936-15941.	7.1	148
9	Divergent Whole-Genome Methylation Maps of Human and Chimpanzee Brains Reveal Epigenetic Basis of Human Regulatory Evolution. <i>American Journal of Human Genetics</i> , 2012, 91, 455-465.	6.2	147
10	Epigenetics in Insects: Genome Regulation and the Generation of Phenotypic Diversity. <i>Annual Review of Entomology</i> , 2019, 64, 185-203.	11.8	137
11	Functional Conservation of DNA Methylation in the Pea Aphid and the Honeybee. <i>Genome Biology and Evolution</i> , 2010, 2, 719-728.	2.5	109
12	The Function of Intragenic DNA Methylation: Insights from Insect Epigenomes. <i>Integrative and Comparative Biology</i> , 2013, 53, 319-328.	2.0	96
13	Patterning and Regulatory Associations of DNA Methylation Are Mirrored by Histone Modifications in Insects. <i>Genome Biology and Evolution</i> , 2013, 5, 591-598.	2.5	91
14	Evolutionary insights into DNA methylation in insects. <i>Current Opinion in Insect Science</i> , 2014, 1, 25-30.	4.4	82
15	The Genome and Methylome of a Subsocial Small Carpenter Bee, <i>Ceratina calcarata</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 1401-1410.	2.5	71
16	Evolution of a supergene that regulates a trans-species social polymorphism. <i>Nature Ecology and Evolution</i> , 2020, 4, 240-249.	7.8	62
17	Sociality Is Linked to Rates of Protein Evolution in a Highly Social Insect. <i>Molecular Biology and Evolution</i> , 2010, 27, 497-500.	8.9	50
18	The effect of maternal care on gene expression and DNA methylation in a subsocial bee. <i>Nature Communications</i> , 2018, 9, 3468.	12.8	47

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19	Evolution at Two Levels in Fire Ants: The Relationship between Patterns of Gene Expression and Protein Sequence Evolution. <i>Molecular Biology and Evolution</i> , 2013, 30, 263-271.	8.9	46
20	Variation in DNA Methylation Is Not Consistently Reflected by Sociality in Hymenoptera. <i>Genome Biology and Evolution</i> , 2017, 9, 1687-1698.	2.5	46
21	Developmental DNA methyltransferase expression in the fire ant <i>Solenopsis invicta</i> . <i>Insect Science</i> , 2018, 25, 57-65.	3.0	38
22	Effects of DNA Methylation and Chromatin State on Rates of Molecular Evolution in Insects. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 357-363.	1.8	37
23	Evidence of a conserved functional role for DNA methylation in termites. <i>Insect Molecular Biology</i> , 2013, 22, 143-154.	2.0	36
24	Epigenetic inheritance and genome regulation: is DNA methylation linked to ploidy in haplodiploid insects?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140411.	2.6	36
25	DNA Methylation and Chromatin Organization in Insects: Insights from the Ant <i>Camponotus floridanus</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 931-942.	2.5	30
26	Resource allocation in a social wasp: effects of breeding system and life cycle on reproductive decisions. <i>Molecular Ecology</i> , 2009, 18, 2908-2920.	3.9	24
27	Conserved Genes Underlie Phenotypic Plasticity in an Incipiently Social Bee. <i>Genome Biology and Evolution</i> , 2018, 10, 2749-2758.	2.5	24
28	Rate variation in the evolution of non-coding DNA associated with social evolution in bees. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180247.	4.0	22
29	Evolutionary variation in gene expression is associated with dimorphism in eusocial vespid wasps. <i>Insect Molecular Biology</i> , 2010, 19, 641-652.	2.0	14
30	Queen, worker, and male yellowjacket wasps receive different nutrition during development. <i>Insectes Sociaux</i> , 2012, 59, 289-295.	1.2	12
31	Simple inheritance, complex regulation: Supergene-mediated fire ant queen polymorphism. <i>Molecular Ecology</i> , 2020, 29, 3622-3636.	3.9	8
32	Genome composition, caste, and molecular evolution in eusocial insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E445-E446.	7.1	5
33	Supergene Evolution: Recombination Finds a Way. <i>Current Biology</i> , 2020, 30, R73-R76.	3.9	3
34	Leveraging technological innovations to investigate evolutionary transitions to eusociality. <i>Current Opinion in Insect Science</i> , 2019, 34, 27-32.	4.4	2
35	Editorial overview: Social insects as invasive species. <i>Current Opinion in Insect Science</i> , 2021, 46, iii-v.	4.4	2