

Brock A Harpur

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,090
citations

430442

18
h-index

433756

31
g-index

44
all docs

44
docs citations

44
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Haploid and Sexual Selection Shape the Rate of Evolution of Genes across the Honey Bee (<i>Apis mellifera</i>). <i>Evolution</i> , 2021, 75, 1073-1083.	1.1	21
2	Genetic past, present, and future of the honey bee (<i>Apis mellifera</i>) in the United States of America. <i>Apidologie</i> , 2021, 52, 63-79.	0.9	21
3	Connecting social polymorphism to single nucleotide polymorphism: population genomics of the small carpenter bee, <i>Ceratina australensis</i> . <i>Biological Journal of the Linnean Society</i> , 2021, 132, 945-954.	0.7	5
4	Improved <i>Apis mellifera</i> reference genome based on the alternative long-read-based assemblies. <i>Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	2
5	Prospects in Connecting Genetic Variation to Variation in Fertility in Male Bees. <i>Genes</i> , 2021, 12, 1251.	1.0	5
6	A gene drive does not spread easily in populations of the honey bee parasite <i>Varroa destructor</i> . <i>Apidologie</i> , 2021, 52, 1112-1127.	0.9	10
7	Eusociality influences the strength of negative selection on insect genomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201512.	1.2	8
8	Developmental plasticity shapes social traits and selection in a facultatively eusocial bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13615-13625.	3.3	37
9	Defense Response in Brazilian Honey Bees (<i>Apis mellifera scutellata</i> – spp.) Is Underpinned by Complex Patterns of Admixture. <i>Genome Biology and Evolution</i> , 2020, 12, 1367-1377.	1.1	13
10	Paternally-biased gene expression follows kin-selected predictions in female honey bee embryos. <i>Molecular Ecology</i> , 2020, 29, 1523-1533.	2.0	16
11	Honey Bee: Management. , 2020, , 5281-5283.		0
12	Integrative Genomics Reveals the Genetics and Evolution of the Honey Bee's Social Immune System. <i>Genome Biology and Evolution</i> , 2019, 11, 937-948.	1.1	33
13	Strikingly high levels of heterozygosity despite 20 years of inbreeding in a clonal honey bee. <i>Journal of Evolutionary Biology</i> , 2019, 32, 144-152.	0.8	19
14	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee (<i>Halictidae: Nomia melanderi</i>). <i>Genes, Genomes, Genetics</i> , 2019, 9, 625-634.	0.8	19
15	Genetic origins of honey bees (<i>Apis mellifera</i>) on Kangaroo Island and Norfolk Island (Australia) and the Kingdom of Tonga. <i>Apidologie</i> , 2019, 50, 28-39.	0.9	5
16	Genomic footprint of evolution of eusociality in bees: floral food use and CYPome. <i>Insectes Sociaux</i> , 2018, 65, 445-454.	0.7	29
17	Conservation Genomics of the Declining North American Bumblebee <i>Bombus terricola</i> Reveals Inbreeding and Selection on Immune Genes. <i>Frontiers in Genetics</i> , 2018, 9, 316.	1.1	31
18	Insects with similar social complexity show convergent patterns of adaptive molecular evolution. <i>Scientific Reports</i> , 2018, 8, 10388.	1.6	20

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19	Honey Bee: Management. , 2018, , 1-3.		0
20	Adaptive maintenance of European alleles in the Brazilian Africanized honeybee. <i>Molecular Ecology</i> , 2017, 26, 3591-3593.	2.0	0
21	An abbreviated SNP panel for ancestry assignment of honeybees (<i>Apis mellifera</i>). <i>Apidologie</i> , 2017, 48, 776-783.	0.9	10
22	Queens and Workers Contribute Differently to Adaptive Evolution in Bumble Bees and Honey Bees. <i>Genome Biology and Evolution</i> , 2017, 9, 2395-2402.	1.1	25
23	A variant reference data set for the Africanized honeybee, <i>Apis mellifera</i> . <i>Scientific Data</i> , 2016, 3, 160097.	2.4	13
24	Toward an Upgraded Honey Bee (<i>Apis mellifera</i> L.) Genome Annotation Using Proteogenomics. <i>Journal of Proteome Research</i> , 2016, 15, 411-421.	1.8	22
25	Hybrid origins of Australian honeybees (<i>Apis mellifera</i>). <i>Apidologie</i> , 2016, 47, 26-34.	0.9	21
26	The transcriptomic and evolutionary signature of social interactions regulating honey bee caste development. <i>Ecology and Evolution</i> , 2015, 5, 4795-4807.	0.8	36
27	A <i>SNP</i> test to identify Africanized honeybees via proportion of "African" ancestry. <i>Molecular Ecology Resources</i> , 2015, 15, 1346-1355.	2.2	39
28	Assessing patterns of admixture and ancestry in Canadian honey bees. <i>Insectes Sociaux</i> , 2015, 62, 479-489.	0.7	31
29	Population genomics of the honey bee reveals strong signatures of positive selection on worker traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2614-2619.	3.3	177
30	Pleiotropy constrains the evolution of protein but not regulatory sequences in a transcription regulatory network influencing complex social behaviors. <i>Frontiers in Genetics</i> , 2014, 5, 431.	1.1	30
31	No Genetic Tradeoffs between Hygienic Behaviour and Individual Innate Immunity in the Honey Bee, <i>Apis mellifera</i> . <i>PLoS ONE</i> , 2014, 9, e104214.	1.1	28
32	A review of the consequences of complementary sex determination and diploid male production on mating failures in the <i>Hymenoptera</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 156-164.	0.7	59
33	Accelerated Evolution of Innate Immunity Proteins in Social Insects: Adaptive Evolution or Relaxed Constraint?. <i>Molecular Biology and Evolution</i> , 2013, 30, 1665-1674.	3.5	59
34	Admixture increases diversity in managed honey bees: Reply to De la Rúa et al. (2013). <i>Molecular Ecology</i> , 2013, 22, 3211-3215.	2.0	28
35	Reply to Hunt et al.: Worker-biased genes have high guanine-cytosine content and rates of nucleotide diversity in the honey bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E447-E447.	3.3	0
36	Recombination is associated with the evolution of genome structure and worker behavior in honey bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18012-18017.	3.3	82

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37	Management increases genetic diversity of honey bees via admixture. <i>Molecular Ecology</i> , 2012, 21, 4414-4421.	2.0	128
38	Effective stimulation of growth in MCF-7 human breast cancer cells by inhibition of syntaxin18 by external guide sequence and ribonuclease P. <i>Cancer Letters</i> , 2008, 272, 167-175.	3.2	18