Brock A Harpur

List of Publications by Year
in descending order

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	Population genomics of the honey bee reveals strong signatures of positive selection on worker traits. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2614-2619.	3.3	177
2	Management increases genetic diversity of honey bees via admixture. Molecular Ecology, 2012, 21, 4414-4421.	2.0	128
3	Recombination is associated with the evolution of genome structure and worker behavior in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18012-18017.	3.3	82
4	A review of the consequences of complementary sex determination and diploid male production on mating failures in the <scp>H</scp>ymenoptera. Entomologia Experimentalis Et Applicata, 2013, 146, 156-164.	0.7	59
5	Accelerated Evolution of Innate Immunity Proteins in Social Insects: Adaptive Evolution or Relaxed Constraint?. Molecular Biology and Evolution, 2013, 30, 1665-1674.	3.5	59
6	A <scp>SNP</scp> test to identify Africanized honeybees via proportion of 'African' ancestry. Molecular Ecology Resources, 2015, 15, 1346-1355.	2.2	39
7	Developmental plasticity shapes social traits and selection in a facultatively eusocial bee. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13615-13625.	3.3	37
8	The transcriptomic and evolutionary signature of social interactions regulating honey bee caste development. Ecology and Evolution, 2015, 5, 4795-4807.	0.8	36
9	Integrative Genomics Reveals the Genetics and Evolution of the Honey Bee's Social Immune System. Genome Biology and Evolution, 2019, 11, 937-948.	1.1	33
10	Assessing patterns of admixture and ancestry in Canadian honey bees. Insectes Sociaux, 2015, 62, 479-489.	0.7	31
11	Conservation Genomics of the Declining North American Bumblebee Bombus terricola Reveals Inbreeding and Selection on Immune Genes. Frontiers in Genetics, 2018, 9, 316.	1.1	31
12	Pleiotropy constrains the evolution of protein but not regulatory sequences in a transcription regulatory network influencing complex social behaviors. Frontiers in Genetics, 2014, 5, 431.	1.1	30
13	Genomic footprint of evolution of eusociality in bees: floral food use and CYPome "blooms". Insectes Sociaux, 2018, 65, 445-454.	0.7	29
14	Admixture increases diversity in managed honey bees: Reply to De la Rúa <i>etÂal</i>. (2013). Molecular Ecology, 2013, 22, 3211-3215.	2.0	28
15	No Genetic Tradeoffs between Hygienic Behaviour and Individual Innate Immunity in the Honey Bee, Apis mellifera. PLoS ONE, 2014, 9, e104214.	1.1	28
16	Queens and Workers Contribute Differently to Adaptive Evolution in Bumble Bees and Honey Bees. Genome Biology and Evolution, 2017, 9, 2395-2402.	1.1	25
17	Toward an Upgraded Honey Bee (<i>Apis mellifera</i> L.) Genome Annotation Using Proteogenomics. Journal of Proteome Research, 2016, 15, 411-421.	1.8	22
18	Hybrid origins of Australian honeybees (Apis mellifera). Apidologie, 2016, 47, 26-34.	0.9	21

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19	Genetic past, present, and future of the honey bee (Apis mellifera) in the United States of America. Apidologie, 2021, 52, 63-79.	0.9	21
20	Insects with similar social complexity show convergent patterns of adaptive molecular evolution. Scientific Reports, 2018, 8, 10388.	1.6	20
21	Strikingly high levels of heterozygosity despite 20 years of inbreeding in a clonal honey bee. Journal of Evolutionary Biology, 2019, 32, 144-152.	0.8	19
22	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee (Halictidae: <i>Nomia melanderi</i>). G3: Genes, Genomes, Genetics, 2019, 9, 625-634.	0.8	19
23	Effective stimulation of growth in MCF-7 human breast cancer cells by inhibition of syntaxin18 by external guide sequence and ribonuclease P. Cancer Letters, 2008, 272, 167-175.	3.2	18
24	Paternallyâ€biased gene expression follows kinâ€selected predictions in female honey bee embryos. Molecular Ecology, 2020, 29, 1523-1533.	2.0	16
25	A variant reference data set for the Africanized honeybee, Apis mellifera. Scientific Data, 2016, 3, 160097.	2.4	13
26	Defense Response in Brazilian Honey Bees (Apis mellifera scutellata Ã— spp.) Is Underpinned by Complex Patterns of Admixture. Genome Biology and Evolution, 2020, 12, 1367-1377.	1.1	13
27	An abbreviated SNP panel for ancestry assignment of honeybees (Apis mellifera). Apidologie, 2017, 48, 776-783.	0.9	10
28	A gene drive does not spread easily in populations of the honey bee parasite Varroa destructor. Apidologie, 2021, 52, 1112-1127.	0.9	10
29	Eusociality influences the strength of negative selection on insect genomes. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201512.	1.2	8
30	Genetic origins of honey bees (Apis mellifera) on Kangaroo Island and Norfolk Island (Australia) and the Kingdom of Tonga. Apidologie, 2019, 50, 28-39.	0.9	5
31	Connecting social polymorphism to single nucleotide polymorphism: population genomics of the small carpenter bee, Ceratina australensis. Biological Journal of the Linnean Society, 2021, 132, 945-954.	0.7	5
32	Prospects in Connecting Genetic Variation to Variation in Fertility in Male Bees. Genes, 2021, 12, 1251.	1.0	5
33	Improved <i>Apis mellifera</i> reference genome based on the alternative long-read-based assemblies. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	2
34	Haploid and Sexual Selection Shape the Rate of Evolution of Genes across the Honey Bee (<i>Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	2
35	Reply to Hunt et al.: Worker-biased genes have high guanine-cytosine content and rates of nucleotide diversity in the honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E447-E447.	3.3	0
36	Adaptive maintenance of European alleles in the Brazilian Africanized honeybee. Molecular Ecology, 2017, 26, 3591-3593.	2.0	0

#	Article	IF	Citations
37	Honey Bee: Management. , 2018, , 1-3.		0
38	Honey Bee: Management. , 2020, , 5281-5283.		0