

Amro Zayed

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,332
citations

201385

27
h-index

155451

55
g-index

72
all docs

72
docs citations

72
times ranked

3435
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenomic analysis of the honey bee pathogen-web and its dynamics on colony productivity, health and social immunity behaviors. PLoS ONE, 2022, 17, e0263273.	1.1	5
2	Bees in the six: Determinants of bumblebee habitat quality in urban landscapes. Ecology and Evolution, 2022, 12, e8667.	0.8	7
3	Adaptive, caste-specific changes to recombination rates in a thelytokous honeybee population. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210729.	1.2	3
4	Conservation genomics reveals pesticide and pathogen exposure in the declining bumble bee <i>Bombus terrestris</i> . Molecular Ecology, 2021, 30, 4220-4230.	2.0	20
5	Impacts of COVID-19 on Canadian Beekeeping: Survey Results and a Profitability Analysis. Journal of Economic Entomology, 2021, 114, 2245-2254.	0.8	3
6	The honey bee genome-- what has it been good for?. Apidologie, 2021, 52, 45-62.	0.9	7
7	Practical Applications of Genomics in Managing Honey bee Health. Veterinary Clinics of North America - Food Animal Practice, 2021, 37, 535-543.	0.5	0
8	Searching beyond the streetlight: Neonicotinoid exposure alters the neurogenomic state of worker honey bees. Ecology and Evolution, 2021, 11, 18733-18742.	0.8	6
9	Thrice out of Asia and the adaptive radiation of the western honey bee. Science Advances, 2021, 7, eabj2151.	4.7	33
10	Eusociality influences the strength of negative selection on insect genomes. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201512.	1.2	8
11	A Single Gene Causes Thelytokous Parthenogenesis, the Defining Feature of the Cape Honeybee <i>Apis mellifera capensis</i> . Current Biology, 2020, 30, 2248-2259.e6.	1.8	23
12	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
13	Honey Bee Queen Production: Canadian Costing Case Study and Profitability Analysis. Journal of Economic Entomology, 2020, 113, 1618-1627.	0.8	14
14	Defense Response in Brazilian Honey Bees (<i>Apis mellifera scutellata</i> Å— spp.) Is Underpinned by Complex Patterns of Admixture. Genome Biology and Evolution, 2020, 12, 1367-1377.	1.1	13
15	Improving bee health through genomics. Nature Reviews Genetics, 2020, 21, 277-291.	7.7	32
16	Paternally-biased gene expression follows kin-selected predictions in female honey bee embryos. Molecular Ecology, 2020, 29, 1523-1533.	2.0	16
17	Honey Bee: Management. , 2020, , 5281-5283.		0
18	Studying the Genetics of Behavior in the Genomics Era. , 2019, , 223-233.		3

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19	A new protocol for measuring spatial learning and memory in the honey bee <i>Apis mellifera</i> : effects of behavioural state and cGMP. <i>Insectes Sociaux</i> , 2019, 66, 65-71.	0.7	7
20	Effects of group size on learning and memory in the honey bee, <i>Apis mellifera</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	8
21	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
22	Recent advances in population and quantitative genomics of honey bees. <i>Current Opinion in Insect Science</i> , 2019, 31, 93-98.	2.2	20
23	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
24	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee (<i>Halictidae: Nomia melanderi</i>). <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 625-634.	0.8	19
25	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
26	Genomic footprint of evolution of eusociality in bees: floral food use and CYPome. <i>Insectes Sociaux</i> , 2018, 65, 445-454.	0.7	29
27	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
28	Insects with similar social complexity show convergent patterns of adaptive molecular evolution. <i>Scientific Reports</i> , 2018, 8, 10388.	1.6	20
29	Honey Bee: Management. , 2018, , 1-3.		0
30	An abbreviated SNP panel for ancestry assignment of honeybees (<i>Apis mellifera</i>). <i>Apidologie</i> , 2017, 48, 776-783.	0.9	10
31	Chronic exposure to neonicotinoids reduces honey bee health near corn crops. <i>Science</i> , 2017, 356, 1395-1397.	6.0	385
32	Bee conservation in the age of genomics. <i>Conservation Genetics</i> , 2017, 18, 713-729.	0.8	50
33	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
34	A variant reference data set for the Africanized honeybee, <i>Apis mellifera</i> . <i>Scientific Data</i> , 2016, 3, 160097.	2.4	13
35	Insect invasions and natural selection. <i>Nature</i> , 2016, 539, 500-502.	13.7	5
36	Ancient Duplications Have Led to Functional Divergence of Vitellogenin-Like Genes Potentially Involved in Inflammation and Oxidative Stress in Honey Bees. <i>Genome Biology and Evolution</i> , 2016, 8, 495-506.	1.1	60

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37	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
38	Hybrid origins of Australian honeybees (<i>Apis mellifera</i>). <i>Apidologie</i> , 2016, 47, 26-34.	0.9	21
39	Characterization of Genomic Variants Associated with Scout and Recruit Behavioral Castes in Honey Bees Using Whole-Genome Sequencing. <i>PLoS ONE</i> , 2016, 11, e0146430.	1.1	11
40	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
41	Population Genomic and Phylogenomic Insights into the Evolution of Physiology and Behaviour in Social Insects. <i>Advances in Insect Physiology</i> , 2015, 48, 293-324.	1.1	8
42	A SNP test to identify Africanized honeybees via proportion of "African" ancestry. <i>Molecular Ecology Resources</i> , 2015, 15, 1346-1355.	2.2	39
43	Genomic signatures of evolutionary transitions from solitary to group living. <i>Science</i> , 2015, 348, 1139-1143.	6.0	357
44	Beyond fruit-flies: population genomic advances in non-Drosophila arthropods. <i>Briefings in Functional Genomics</i> , 2015, 14, 424-431.	1.3	14
45	Assessing patterns of admixture and ancestry in Canadian honey bees. <i>Insectes Sociaux</i> , 2015, 62, 479-489.	0.7	31
46	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
47	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
48	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
49	A review of the consequences of complementary sex determination and diploid male production on mating failures in the Hymenoptera. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 146, 156-164.	0.7	59
50	Evolution of recombination and genome structure in eusocial insects. <i>Communicative and Integrative Biology</i> , 2013, 6, e22919.	0.6	24
51	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
52	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
53	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
54	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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55	Understanding the Relationship Between Brain Gene Expression and Social Behavior: Lessons from the Honey Bee. <i>Annual Review of Genetics</i> , 2012, 46, 591-615.	3.2	166
56	Common and novel transcriptional routes to behavioral maturation in worker and male honey bees. <i>Genes, Brain and Behavior</i> , 2012, 11, 253-261.	1.1	28
57	Management increases genetic diversity of honey bees via admixture. <i>Molecular Ecology</i> , 2012, 21, 4414-4421.	2.0	128
58	Adaptive evolution of a key gene affecting queen and worker traits in the honey bee, <i>Apis mellifera</i> . <i>Molecular Ecology</i> , 2011, 20, 5226-5235.	2.0	50
59	Bee genetics and conservation. <i>Apidologie</i> , 2009, 40, 237-262.	0.9	161
60	A genome-wide signature of positive selection in ancient and recent invasive expansions of the honey bee <i>Apis mellifera</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3421-3426.	3.3	88
61	Successful Biological Invasion despite a Severe Genetic Load. <i>PLoS ONE</i> , 2007, 2, e868.	1.1	88
62	The population genetics of a solitary oligolectic sweat bee, <i>Lasioglossum (Sphecodogastra) oenotherae</i> (Hymenoptera: Halictidae). <i>Heredity</i> , 2007, 99, 397-405.	1.2	29
63	Characterization of microsatellite loci from the solitary sweat bees <i>Lasioglossum leucozonium</i> and <i>Lasioglossum oenotherae</i> (Hymenoptera, Halictidae). <i>Molecular Ecology Notes</i> , 2006, 6, 1154-1156.	1.7	5
64	Increased genetic differentiation in a specialist versus a generalist bee: implications for conservation. <i>Conservation Genetics</i> , 2006, 6, 1017-1026.	0.8	66
65	Conservation Genetics of Potentially Endangered Mutualisms: Reduced Levels of Genetic Variation in Specialist versus Generalist Bees. <i>Conservation Biology</i> , 2005, 19, 195-202.	2.4	69
66	Complementary sex determination substantially increases extinction proneness of haplodiploid populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10742-10746.	3.3	267
67	Use of diploid male frequency data as an indicator of pollinator decline. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S9-12.	1.2	67
68	Effective population size in Hymenoptera with complementary sex determination. <i>Heredity</i> , 2004, 93, 627-630.	1.2	68
69	Genetic differentiation across a behavioural boundary in a primitively eusocial bee, <i>Halictus poeyi</i> Lepelletier (Hymenoptera, Halictidae). <i>Insectes Sociaux</i> , 2002, 49, 282-288.	0.7	8
70	High levels of diploid male production in a primitively eusocial bee (Hymenoptera: Halictidae). <i>Heredity</i> , 2001, 87, 631-636.	1.2	47