

Tugrul Giray

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,239
citations

394421

19
h-index

243625

44
g-index

58
all docs

58
docs citations

58
times ranked

5383
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	27.8	1,942
2	Juvenile hormone, reproduction, and worker behavior in the neotropical social wasp <i>Polistes canadensis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3330-3335.	7.1	169
3	Volume Changes in the Mushroom Bodies of Adult Honey Bee Queens. <i>Neurobiology of Learning and Memory</i> , 1995, 63, 181-191.	1.9	104
4	Effects of intracolony variability in behavioral development on plasticity of division of labor in honey bee colonies. <i>Behavioral Ecology and Sociobiology</i> , 1994, 35, 13-20.	1.4	95
5	Dopamine and Octopamine Influence Avoidance Learning of Honey Bees in a Place Preference Assay. <i>PLoS ONE</i> , 2011, 6, e25371.	2.5	83
6	Common endocrine and genetic mechanisms of behavioral development in male and worker honey bees and the evolution of division of labor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11718-11722.	7.1	79
7	Expansion of the neuropil of the mushroom bodies in male honey bees is coincident with initiation of flight. <i>Neuroscience Letters</i> , 1997, 236, 135-138.	2.1	52
8	Gentle Africanized bees on an oceanic island. <i>Evolutionary Applications</i> , 2012, 5, 746-756.	3.1	44
9	Octopamine influences honey bee foraging preference. <i>Journal of Insect Physiology</i> , 2007, 53, 691-698.	2.0	43
10	Solitary and group nesting in the orchid bee <i>Euglossa hyacinthina</i> (Hymenoptera, Apidae). <i>Insectes Sociaux</i> , 2003, 50, 248-255.	1.2	40
11	Physiological correlates of genetic variation for rate of behavioral development in the honeybee, <i>Apis mellifera</i> . <i>Behavioral Ecology and Sociobiology</i> , 1999, 47, 17-28.	1.4	36
12	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. <i>Nature Communications</i> , 2017, 8, 1550.	12.8	33
13	The cost of defense in social insects: insights from the honey bee. <i>Entomologia Experimentalis Et Applicata</i> , 2008, 129, 1-10.	1.4	32
14	Aversive conditioning in honey bees (<i>Apis mellifera anatolica</i>): a comparison of drones and workers. <i>Journal of Experimental Biology</i> , 2013, 216, 4124-4134.	1.7	32
15	Measuring individual locomotor rhythms in honey bees, paper wasps and similar sized insects. <i>Journal of Experimental Biology</i> , 2014, 217, 1307-15.	1.7	32
16	Genetic structure of the gentle Africanized honey bee population (gAHB) in Puerto Rico. <i>BMC Genetics</i> , 2013, 14, 65.	2.7	31
17	Foraging Response of Turkish Honey Bee Subspecies to Flower Color Choices and Reward Consistency. <i>Journal of Insect Behavior</i> , 2010, 23, 100-116.	0.7	25
18	Proboscis Conditioning Experiments with Honeybees, <i>Apis Mellifera Caucasica</i> , with Butyric Acid and DEET Mixture as Conditioned and Unconditioned Stimuli. <i>Journal of Insect Science</i> , 2010, 10, 1-17.	1.5	25

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19	Genomic regions influencing aggressive behavior in honey bees are defined by colony allele frequencies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17135-17141.	7.1	24
20	Landscape Analysis of Drone Congregation Areas of the Honey Bee, <i>Apis mellifera</i> . <i>Journal of Insect Science</i> , 2012, 12, 1-15.	0.9	23
21	Recognition of Pollen-Bearing Bees from Video Using Convolutional Neural Network. , 2018, , .		23
22	Antibiotics in hives and their effects on honey bee physiology and behavioral development. <i>Biology Open</i> , 2020, 9, .	1.2	22
23	Scientific note: colony losses survey in Turkey and causes of bee deaths. <i>Apidologie</i> , 2010, 41, 451-453.	2.0	21
24	Ethanol-Induced Effects on Sting Extension Response and Punishment Learning in the Western Honey Bee (<i>Apis mellifera</i>). <i>PLoS ONE</i> , 2014, 9, e100894.	2.5	20
25	PHYSIOLOGICAL BASES OF GENETIC DIFFERENCES IN CANNIBALISM BEHAVIOR OF THE CONFUSED FLOUR BEETLE <i>TRIBOLIUM CONFUSUM</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 797.	2.3	18
26	Honey Bees in the Tropics Show Winter Bee-Like Longevity in Response to Seasonal Dearth and Brood Reduction. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	15
27	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 120, 103334.	2.7	15
28	Antipredator defence mechanism in the amphidromous shrimp <i>Xiphocaris elongata</i> (Decapoda): Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	14
29	Forecasting the Influence of Climate Change on Agroecosystem Services: Potential Impacts on Honey Yields in a Small-Island Developing State. <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-10.	0.9	13
30	Individual responsiveness to shock and colony-level aggression in honey bees: evidence for a genetic component. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 761-771.	1.4	13
31	The Role of Colony Temperature in the Entrainment of Circadian Rhythms of Honey Bee Foragers. <i>Annals of the Entomological Society of America</i> , 2021, 114, 596-605.	2.5	12
32	Colonization history and population differentiation of the Honey Bees (<i>Apis mellifera</i> L.) in Puerto Rico. <i>Ecology and Evolution</i> , 2019, 9, 10895-10902.	1.9	11
33	Tissue-specific transcriptional patterns underlie seasonal phenotypes in honey bees (<i>Apis mellifera</i>). <i>Molecular Ecology</i> , 2021, , .	3.9	11
34	Honey bee colonies from different races show variation in defenses against the varroa mite in a common garden™. <i>Entomologia Experimentalis Et Applicata</i> , 2013, 149, 36-43.	1.4	9
35	Varroa destructor Parasitism and Genetic Variability at Honey Bee (<i>Apis mellifera</i>) Drone Congregation Areas and Their Associations With Environmental Variables in Argentina. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	9
36	Factors Affecting Pollinators and Pollination. <i>Psyche: Journal of Entomology</i> , 2012, 2012, 1-3.	0.9	8

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37	Effect of octopamine manipulation on honeybee decision making: reward and cost differences associated with foraging. <i>Animal Behaviour</i> , 2015, 100, 144-150.	1.9	8
38	Influence of environmental experience on aversive conditioning in honey bees (<i>Apis mellifera</i> L.). <i>Apidologie</i> , 2018, 49, 647-659.	2.0	8
39	Honey bees (<i>Apis mellifera</i> spp.) respond to increased aluminum exposure in their foraging choice, motility, and circadian rhythmicity. <i>PLoS ONE</i> , 2019, 14, e0218365.	2.5	8
40	Social signals and aversive learning in honey bee drones and workers. <i>Biology Open</i> , 2016, 6, 41-49.	1.2	7
41	The Movement of Western Honey Bees (<i>Apis mellifera</i> L.) Among U.S. States and Territories: History, Benefits, Risks, and Mitigation Strategies. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.2	6
42	Appetitive reversal learning differences of two honey bee subspecies with different foraging behaviors. <i>PeerJ</i> , 2018, 6, e5918.	2.0	4
43	Coexistence of Feral Africanized and European Honey Bees (Hymenoptera: Apoidea: Apidae) on St. Croix Island. <i>Caribbean Journal of Science</i> , 2008, 44, 264-266.	0.3	3
44	Automated Video Monitoring of Unmarked and Marked Honey Bees at the Hive Entrance. <i>Frontiers in Computer Science</i> , 2022, 3, .	2.8	3
45	Antibiotics Alter the Expression of Genes Related to Behavioral Development in Honey Bees (Hymenoptera: Apidae). <i>Journal of Insect Science</i> , 2022, 22, .	1.5	3
46	Aversive conditioning in honey bees (<i>Apis mellifera anatolica</i>): a comparison of drones and workers. <i>Journal of Experimental Biology</i> , 2013, 216, 4498-4498.	1.7	2
47	Parallel mechanisms of visual memory formation across distinct regions of the honey bee brain. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	1
48	Honeybee Re-identification in Video: New Datasets and Impact of Self-supervision. , 2022, , .		1
49	LabelBee. , 2019, , .		0
50	Editorial: Adaptation of Invasive Species to Islands and the Puerto Rican Honey Bee. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.2	0