Tugrul Giray

List of Publications by Year
in descending order

50	3,239	394421	243625
papers	citations	19 h-index	44 g-index

58	58	58	5383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated Video Monitoring of Unmarked and Marked Honey Bees at the Hive Entrance. Frontiers in Computer Science, 2022, 3, .	2.8	3
2	Honeybee Re-identification in Video: New Datasets and Impact of Self-supervision. , 2022, , .		1
3	Antibiotics Alter the Expression of Genes Related to Behavioral Development in Honey Bees (Hymenoptera: Apidae). Journal of Insect Science, 2022, 22, .	1.5	3
4	The Role of Colony Temperature in the Entrainment of Circadian Rhythms of Honey Bee Foragers. Annals of the Entomological Society of America, 2021, 114, 596-605.	2.5	12
5	Parallel mechanisms of visual memory formation across distinct regions of the honey bee brain. Journal of Experimental Biology, 2021, 224, .	1.7	1
6	Tissueâ€specific transcriptional patterns underlie seasonal phenotypes in honey bees (Apis mellifera). Molecular Ecology, 2021, , .	3.9	11
7	Antibiotics in hives and their effects on honey bee physiology and behavioral development. Biology Open, 2020, 9, .	1.2	22
8	Honey Bees in the Tropics Show Winter Bee-Like Longevity in Response to Seasonal Dearth and Brood Reduction. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	15
9	Varroa destructor Parasitism and Genetic Variability at Honey Bee (Apis mellifera) Drone Congregation Areas and Their Associations With Environmental Variables in Argentina. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	9
10	Genomic regions influencing aggressive behavior in honey bees are defined by colony allele frequencies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17135-17141.	7.1	24
11	Soybean aphid biotype 1 genome: Insights into the invasive biology and adaptive evolution of a major agricultural pest. Insect Biochemistry and Molecular Biology, 2020, 120, 103334.	2.7	15
12	Honey bees (Apis mellifera spp.) respond to increased aluminum exposure in their foraging choice, motility, and circadian rhythmicity. PLoS ONE, 2019, 14, e0218365.	2.5	8
13	Colonization history and population differentiation of the Honey Bees (Apis mellifera L.) in Puerto Rico. Ecology and Evolution, 2019, 9, 10895-10902.	1.9	11
14	LabelBee. , 2019, , .		0
15	Influence of environmental experience on aversive conditioning in honey bees (Apis mellifera L.). Apidologie, 2018, 49, 647-659.	2.0	8
16	Recognition of Pollen-Bearing Bees from Video Using Convolutional Neural Network. , 2018, , .		23
17	Appetitive reversal learning differences of two honey bee subspecies with different foraging behaviors. PeerJ, 2018, 6, e5918.	2.0	4
18	A communal catalogue reveals Earthâ€™s multiscale microbial diversity. Nature, 2017, 551, 457-463.	27.8	1,942

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19	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. Nature Communications, 2017, 8, 1550.	12.8	33
20	Social signals and aversive learning in honey bee drones and workers. Biology Open, 2016, 6, 41-49.	1.2	7
21	Effect of octopamine manipulation on honeybee decision making: reward and cost differences associated with foraging. Animal Behaviour, 2015, 100, 144-150.	1.9	8
22	Antipredator defence mechanism in the amphidromous shrimpXiphocaris elongata(Decapoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.5	14
23	Ethanol-Induced Effects on Sting Extension Response and Punishment Learning in the Western Honey Bee (Apis mellifera). PLoS ONE, 2014, 9, e100894.	2.5	20
24	Measuring individual locomotor rhythms in honey bees, paper wasps and similar sized insects. Journal of Experimental Biology, 2014, 217, 1307-15.	1.7	32
25	Individual responsiveness to shock and colony-level aggression in honey bees: evidence for a genetic component. Behavioral Ecology and Sociobiology, 2014, 68, 761-771.	1.4	13
26	Honey bee colonies from different races show variation in defenses against the varroa mite in a â€˜common gardenâ€™. Entomologia Experimentalis Et Applicata, 2013, 149, 36-43.	1.4	9
27	Genetic structure of the gentle Africanized honey bee population (gAHB) in Puerto Rico. BMC Genetics, 2013, 14, 65.	2.7	31
28	Aversive conditioning in honey bees (Apis mellifera anatolica): a comparison of drones and workers. Journal of Experimental Biology, 2013, 216, 4124-4134.	1.7	32
29	Aversive conditioning in honey bees (Apis mellifera anatolica): a comparison of drones and workers. Journal of Experimental Biology, 2013, 216, 4498-4498.	1.7	2
30	Landscape Analysis of Drone Congregation Areas of the Honey Bee,Apis mellifera. Journal of Insect Science, 2012, 12, 1-15.	0.9	23
31	Factors Affecting Pollinators and Pollination. Psyche: Journal of Entomology, 2012, 2012, 1-3.	0.9	8
32	Forecasting the Influence of Climate Change on Agroecosystem Services: Potential Impacts on Honey Yields in a Small-Island Developing State. Psyche: Journal of Entomology, 2012, 2012, 1-10.	0.9	13
33	Gentle Africanized bees on an oceanic island. Evolutionary Applications, 2012, 5, 746-756.	3.1	44
34	Dopamine and Octopamine Influence Avoidance Learning of Honey Bees in a Place Preference Assay. PLoS ONE, 2011, 6, e25371.	2.5	83
35	Scientific note: colony losses survey in Turkey and causes of bee deaths. Apidologie, 2010, 41, 451-453.	2.0	21
36	Foraging Response of Turkish Honey Bee Subspecies to Flower Color Choices and Reward Consistency. Journal of Insect Behavior, 2010, 23, 100-116.	0.7	25

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37	Proboscis Conditioning Experiments with Honeybees,Apis Mellifera Caucasica,with Butyric Acid and DEET Mixture as Conditioned and Unconditioned Stimuli. Journal of Insect Science, 2010, 10, 1-17.	1.5	25
38	The cost of defense in social insects: insights from the honey bee. Entomologia Experimentalis Et Applicata, 2008, 129, 1-10.	1.4	32
39	Coexistence of Feral Africanized and European Honey Bees (Hymenoptera: Apoidea: Apidae) on St. Croix Island. Caribbean Journal of Science, 2008, 44, 264-266.	0.3	3
40	Octopamine influences honey bee foraging preference. Journal of Insect Physiology, 2007, 53, 691-698.	2.0	43
41	Juvenile hormone, reproduction, and worker behavior in the neotropical social wasp Polistes canadensis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3330-3335.	7.1	169
42	Solitary and group nesting in the orchid bee Euglossa hyacinthina (Hymenoptera, Apidae). Insectes Sociaux, 2003, 50, 248-255.	1.2	40
43	PHYSIOLOGICAL BASES OF GENETIC DIFFERENCES IN CANNIBALISM BEHAVIOR OF THE CONFUSED FLOUR BEETLE TRIBOLIUM CONFUSUM. Evolution; International Journal of Organic Evolution, 2001, 55, 797.	2.3	18
44	Physiological correlates of genetic variation for rate of behavioral development in the honeybee, Apis mellifera. Behavioral Ecology and Sociobiology, 1999, 47, 17-28.	1.4	36
45	Expansion of the neuropil of the mushroom bodies in male honey bees is coincident with initiation of flight. Neuroscience Letters, 1997, 236, 135-138.	2.1	52
46	Common endocrine and genetic mechanisms of behavioral development in male and worker honey bees and the evolution of division of labor.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11718-11722.	7.1	79
47	Volume Changes in the Mushroom Bodies of Adult Honey Bee Queens. Neurobiology of Learning and Memory, 1995, 63, 181-191.	1.9	104
48	Effects of intracolony variability in behavioral development on plasticity of division of labor in honey bee colonies. Behavioral Ecology and Sociobiology, 1994, 35, 13-20.	1.4	95
49	The Movement of Western Honey Bees (Apis mellifera L.) Among U.S. States and Territories: History, Benefits, Risks, and Mitigation Strategies. Frontiers in Ecology and Evolution, 0, 10, .	2.2	6
50	Editorial: Adaptation of Invasive Species to Islands and the Puerto Rican Honey Bee. Frontiers in Ecology and Evolution, 0, 10, .	2.2	0