Ken Tan

List of Publications by Year
in descending order

54 papers	1,174 citations	331259 21 h-index	433756 31 g-index
54 all docs	54 docs citations	54 times ranked	1045 citing authors

#	Article	IF	Citations
1	Population structure and classification ofApis cerana. Apidologie, 2010, 41, 589-601.	0.9	110
2	A neonicotinoid impairs olfactory learning in Asian honey bees (Apis cerana) exposed as larvae or as adults. Scientific Reports, 2015, 5, 10989.	1.6	84
3	Imidacloprid Alters Foraging and Decreases Bee Avoidance of Predators. PLoS ONE, 2014, 9, e102725.	1.1	77
4	Differences in foraging and broodnest temperature in the honey bees Apis cerana and A. mellifera. Apidologie, 2012, 43, 618-623.	0.9	64
5	An â€˜I see youâ€™ preyâ€“predator signal between the Asian honeybee, Apis cerana, and the hornet, Vespa velutina. Animal Behaviour, 2012, 83, 879-882.	0.8	51
6	Honey Bee Inhibitory Signaling Is Tuned to Threat Severity and Can Act as a Colony Alarm Signal. PLoS Biology, 2016, 14, e1002423.	2.6	43
7	The sex pheromone of a globally invasive honey bee predator, the Asian eusocial hornet, Vespa velutina. Scientific Reports, 2017, 7, 12956.	1.6	43
8	The pesticide flupyradifurone impairs olfactory learning in Asian honey bees (Apis cerana) exposed as larvae or as adults. Scientific Reports, 2017, 7, 17772.	1.6	37
9	Poison and alarm: The Asian hornetVespa velutinauses sting venom volatiles as alarm pheromone. Journal of Experimental Biology, 2017, 220, 645-651.	0.8	34
10	Fearful Foragers: Honey Bees Tune Colony and Individual Foraging to Multi-Predator Presence and Food Quality. PLoS ONE, 2013, 8, e75841.	1.1	34
11	Giant Asian honeybees use olfactory eavesdropping to detect and avoid ant predators. Animal Behaviour, 2014, 97, 69-76.	0.8	31
12	The genomic basis of adaptation to highâ€altitude habitats in the eastern honey bee (Apis cerana). Molecular Ecology, 2019, 28, 746-760.	2.0	30
13	Mitochondrial DNA diversity of ChineseApis cerana. Apidologie, 2007, 38, 238-246.	0.9	28
14	Worker reproduction in mixed-species colonies of honey bees. Behavioral Ecology, 2009, 20, 1106-1110.	1.0	25
15	Pheromones affecting ovary activation and ovariole loss in the Asian honey bee Apis cerana. Journal of Insect Physiology, 2015, 74, 25-29.	0.9	25
16	Honey Bees Modulate Their Olfactory Learning in the Presence of Hornet Predators and Alarm Component. PLoS ONE, 2016, 11, e0150399.	1.1	25
17	Comparative analysis of olfactory learning of Apis cerana and Apis mellifera. Apidologie, 2014, 45, 45-52.	0.9	24
18	Asian hive bees, Apis cerana, modulate dance communication in response to nectar toxicity and demand. Animal Behaviour, 2012, 84, 1589-1594.	0.8	23

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19	Bees eavesdrop upon informative and persistent signal compounds in alarm pheromones. Scientific Reports, 2016, 6, 25693.	1.6	23
20	The â€˜I see youâ€™ preyâ€“predator signal of Apis cerana is innate. Die Naturwissenschaften, 2013, 100, 245-248.	0.6	22
21	Effects of natural and synthetic alarm pheromone and individual pheromone components on foraging behavior of the giant Asian honey bee, Apis dorsata. Journal of Experimental Biology, 2014, 217, 3512-8.	0.8	21
22	Reproductive interference between honeybee species in artificial sympatry. Molecular Ecology, 2014, 23, 1096-1107.	2.0	20
23	Geographic distribution of the eastern honeybee,Apis cerana(Hymenoptera: Apidae), across ecological zones in China: Morphological and molecular analyses. Systematics and Biodiversity, 2006, 4, 473-482.	0.5	19
24	Phantom alternatives influence food preferences in the eastern honeybee <scp>A</scp>pis cerana. Journal of Animal Ecology, 2015, 84, 509-517.	1.3	18
25	Multivariate morphometric analysis of theApis ceranaof China. Apidologie, 2008, 39, 343-353.	0.9	17
26	Cooperative wasp-killing by mixed-species colonies of honeybees, Apis cerana and Apis mellifera. Apidologie, 2012, 43, 195-200.	0.9	17
27	Effect of Flumethrin on Survival and Olfactory Learning in Honeybees. PLoS ONE, 2013, 8, e66295.	1.1	17
28	Preferences and tradeoffs in nectar temperature and nectar concentration in the Asian hive bee Apis cerana. Behavioral Ecology and Sociobiology, 2014, 68, 13-20.	0.6	17
29	Haplotype diversity and genetic similarity among populations of the Eastern honey bee from Himalaya-Southwest China and Nepal (Hymenoptera: Apidae). Apidologie, 2016, 47, 197-205.	0.9	16
30	Foragers of sympatric Asian honey bee species intercept competitor signals by avoiding benzyl acetate from Apis cerana alarm pheromone. Scientific Reports, 2017, 7, 6721.	1.6	15
31	The pheromones of laying workers in two honeybee sister species: Apis cerana and Apis mellifera. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2012, 198, 319-323.	0.7	14
32	Olfactory eavesdropping of predator alarm pheromone by sympatric but not allopatric prey. Animal Behaviour, 2018, 141, 115-125.	0.8	14
33	Individual honey bee (Apis cerana) foragers adjust their fuel load to match variability in forage reward. Scientific Reports, 2015, 5, 16418.	1.6	13
34	The dynamic association between ovariole loss and sterility in adult honeybee workers. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162693.	1.2	12
35	First demonstration of olfactory learning and long term memory in honey bee queens. Journal of Experimental Biology, 2018, 221, .	0.8	11
36	Honey Bee Alarm Pheromone Mediates Communication in Plantâ€“Pollinatorâ€“Predator Interactions. Insects, 2019, 10, 366.	1.0	11

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37	Associations between reproduction and work in workers of the Asian hive bee Apis cerana. Journal of Insect Physiology, 2015, 82, 33-37.	0.9	10
38	New bioactive peptides from the venom gland of a social hornet Vespa velutina. Toxicon, 2021, 199, 94-100.	0.8	10
39	Sex-pairing pheromone of Ancistrotermes dimorphus (Isoptera: Macrotermitinae). Journal of Insect Physiology, 2015, 83, 8-14.	0.9	8
40	Inhibiting DNA methylation alters olfactory extinction but not acquisition learning in Apis cerana and Apis mellifera. Journal of Insect Physiology, 2016, 90, 43-48.	0.9	8
41	Floral tea polyphenols can improve honey bee memory retention and olfactory sensitivity. Journal of Insect Physiology, 2021, 128, 104177.	0.9	7
42	Resisting majesty: Apis cerana, has lower antennal sensitivity and decreased attraction to queen mandibular pheromone than Apis mellifera. Scientific Reports, 2017, 7, 44640.	1.6	5
43	Hornets possess long-lasting olfactory memories. Journal of Experimental Biology, 2019, 222, .	0.8	5
44	Environmentally-induced developmental effects on morphometric characters of workers inApis ceranacolonies. Apidologie, 2007, 38, 289-295.	0.9	4
45	High Concentrations of the Alarm Pheromone Component, Isopentyl Acetate, Reduces Foraging and Dancing in Apis mellifera Ligustica and Apis cerana Cerana. Journal of Insect Behavior, 2017, 30, 188-198.	0.4	4
46	Losing the Arms Race: Greater Wax Moths Sense but Ignore Bee Alarm Pheromones. Insects, 2019, 10, 81.	1.0	4
47	Visual contagion in prey defence signals can enhance honest defence. Journal of Animal Ecology, 2021, 90, 594-601.	1.3	4
48	The Nasonov gland pheromone as a potential source of death cue in Apis cerana. Journal of Insect Physiology, 2021, 131, 104238.	0.9	4
49	Functional characterization, antimicrobial effects, and potential antibacterial mechanisms of new mastoparan peptides from hornet venom (Vespa ducalis, Vespa mandarinia, and Vespa affinis). Toxicon, 2021, 200, 48-54.	0.8	4
50	Responses of Queenright and Queenless Workers of Apis Cerana to 9-keto-2(E)-decenoic Acid, a Pheromonal Constituent of the Mandibular Gland. Journal of Chemical Ecology, 2010, 36, 966-968.	0.9	3
51	Lethality of Honey Bee Stings to Heavily Armored Hornets. Biology, 2021, 10, 484.	1.3	3
52	Higher toxin tolerance to triptolide, a terpenoid foraged by a sympatric honeybee. Journal of Insect Physiology, 2022, 137, 104358.	0.9	3
53	The reluctant visitor: an alkaloid in toxic nectar can reduce olfactory learning and memory in Asian honey bees. Journal of Experimental Biology, 2018, 221, .	0.8	2
54	Identification of giant hornet Vespa mandarinia queen sex pheromone components. Current Biology, 2022, 32, R211-R212.	1.8	1