Berhane T Weldegergis

List of Publications by Year
in descending order

37 papers	2,137 citations	201674 27 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	2661 citing authors

#	Article	IF	Citations
1	Virulence Factors of Geminivirus Interact with MYC2 to Subvert Plant Resistance and Promote Vector Performance. Plant Cell, 2014, 26, 4991-5008.	6.6	224
2	Hyperparasitoids Use Herbivore-Induced Plant Volatiles to Locate Their Parasitoid Host. PLoS Biology, 2012, 10, e1001435.	5.6	168
3	Plant Volatiles Induced by Herbivore Egg Deposition Affect Insects of Different Trophic Levels. PLoS ONE, 2012, 7, e43607.	2.5	152
4	Nonâ€pathogenic rhizobacteria interfere with the attraction of parasitoids to aphidâ€induced plant volatiles via jasmonic acid signalling. Plant, Cell and Environment, 2013, 36, 393-404.	5.7	110
5	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and ecoâ€evolutionary implications. New Phytologist, 2018, 220, 739-749.	7.3	101
6	Symbionts protect aphids from parasitic wasps by attenuating herbivore-induced plant volatiles. Nature Communications, 2017, 8, 1860.	12.8	96
7	Rhizobacterial colonization of roots modulates plant volatile emission and enhances the attraction of a parasitoid wasp to host-infested plants. Oecologia, 2015, 178, 1169-1180.	2.0	83
8	Characterisation of volatile components of Pinotage wines using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GCÃ—GCâ€“TOFMS). Food Chemistry, 2011, 129, 188-199.	8.2	81
9	Canopy light cues affect emission of constitutive and methyl jasmonateâ€induced volatile organic compounds in <scp>A</scp>rabidopsis thaliana. New Phytologist, 2013, 200, 861-874.	7.3	78
10	Herbivore-Mediated Effects of Glucosinolates on Different Natural Enemies of a Specialist Aphid. Journal of Chemical Ecology, 2012, 38, 100-115.	1.8	77
11	Drought stress affects plant metabolites and herbivore preference but not host location by its parasitoids. Oecologia, 2015, 177, 701-713.	2.0	75
12	Solid phase extraction in combination with comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry for the detailed investigation of volatiles in South African red wines. Analytica Chimica Acta, 2011, 701, 98-111.	5.4	68
13	Caterpillarâ€induced plant volatiles remain a reliable signal for foraging wasps during dual attack with a plant pathogen or nonâ€host insect herbivore. Plant, Cell and Environment, 2014, 37, 1924-1935.	5.7	66
14	Qualitative and Quantitative Differences in Herbivore-Induced Plant Volatile Blends from Tomato Plants Infested by Either Tuta absoluta or Bemisia tabaci. Journal of Chemical Ecology, 2017, 43, 53-65.	1.8	63
15	Trading direct for indirect defense? Phytochrome B inactivation in tomato attenuates direct antiâ€herbivore defenses whilst enhancing volatileâ€mediated attraction of predators. New Phytologist, 2016, 212, 1057-1071.	7.3	59
16	Symbiotic polydnavirus and venom reveal parasitoid to its hyperparasitoids. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5205-5210.	7.1	54
17	Volatile-mediated foraging behaviour of three parasitoid species under conditions of dual insect herbivore attack. Animal Behaviour, 2016, 111, 197-206.	1.9	50
18	Neonates know better than their mothers when selecting a host plant. Oikos, 2012, 121, 1923-1934.	2.7	46

#	Article	IF	Citations
19	Attraction of egg-killing parasitoids toward induced plant volatiles in a multi-herbivore context. Oecologia, 2015, 179, 163-174.	2.0	45
20	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. Pest Management Science, 2013, 69, 302-311.	3.4	43
21	Attractiveness of volatiles from different body parts to the malaria mosquito Anopheles coluzzii is affected by deodorant compounds. Scientific Reports, 2016, 6, 27141.	3.3	43
22	Parasitism overrides herbivore identity allowing hyperparasitoids to locate their parasitoid host using herbivoreâ€induced plant volatiles. Molecular Ecology, 2015, 24, 2886-2899.	3.9	40
23	Application of a Headspace Sorptive Extraction Method for the Analysis of Volatile Components in South African Wines. Journal of Agricultural and Food Chemistry, 2007, 55, 8696-8702.	5.2	35
24	Chemometric investigation of the volatile content of young South African wines. Food Chemistry, 2011, 128, 1100-1109.	8.2	33
25	Analysis of Volatiles in Pinotage Wines by Stir Bar Sorptive Extraction and Chemometric Profiling. Journal of Agricultural and Food Chemistry, 2008, 56, 10225-10236.	5.2	31
26	Compatible and incompatible pathogenâ€“plant interactions differentially affect plant volatile emissions and the attraction of parasitoid wasps. Functional Ecology, 2016, 30, 1779-1789.	3.6	31
27	Synergism in the effect of prior jasmonic acid application on herbivore-induced volatile emission by Lima bean plants: transcription of a monoterpene synthase gene and volatile emission. Journal of Experimental Botany, 2014, 65, 4821-4831.	4.8	29
28	To be in time: egg deposition enhances plant-mediated detection of young caterpillars by parasitoids. Oecologia, 2015, 177, 477-486.	2.0	29
29	Do apes smell like humans? The role of skin bacteria and volatiles of primates in mosquito host selection. Journal of Experimental Biology, 2018, 221, .	1.7	24
30	Body Odors of Parasitized Caterpillars Give Away the Presence of Parasitoid Larvae to Their Primary Hyperparasitoid Enemies. Journal of Chemical Ecology, 2014, 40, 986-995.	1.8	22
31	Response of a Predatory ant to Volatiles Emitted by Aphid- and Caterpillar-Infested Cucumber and Potato Plants. Journal of Chemical Ecology, 2017, 43, 1007-1022.	1.8	19
32	Understanding the Long-Lasting Attraction of Malaria Mosquitoes to Odor Baits. PLoS ONE, 2015, 10, e0121533.	2.5	17
33	Does Aphid Infestation Interfere with Indirect Plant Defense against Lepidopteran Caterpillars in Wild Cabbage?. Journal of Chemical Ecology, 2017, 43, 493-505.	1.8	12
34	Terpenoid biosynthesis in Arabidopsis attacked by caterpillars and aphids: effects of aphid density on the attraction of a caterpillar parasitoid. Oecologia, 2017, 185, 699-712.	2.0	10
35	Altered Volatile Profile Associated with Precopulatory Mate Guarding Attracts Spider Mite Males. Journal of Chemical Ecology, 2015, 41, 187-193.	1.8	9
36	Effect of Sequential Induction by Mamestra brassicae L. and Tetranychus urticae Koch on Lima Bean Plant Indirect Defense. Journal of Chemical Ecology, 2014, 40, 977-985.	1.8	8

#	Article	IF	Citations
37	Integrating Insect Life History and Food Plant Phenology: Flexible Maternal Choice Is Adaptive. International Journal of Molecular Sciences, 2016, 17, 1263.	4.1	6