

Berhane T Weldegergis

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,137
citations

201385

27
h-index

329751

37
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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. <i>Plant Cell</i> , 2014, 26, 4991-5008.	3.1	224
2	Hyperparasitoids Use Herbivore-Induced Plant Volatiles to Locate Their Parasitoid Host. <i>PLoS Biology</i> , 2012, 10, e1001435.	2.6	168
3	Plant Volatiles Induced by Herbivore Egg Deposition Affect Insects of Different Trophic Levels. <i>PLoS ONE</i> , 2012, 7, e43607.	1.1	152
4	Non-pathogenic rhizobacteria interfere with the attraction of parasitoids to aphid-induced plant volatiles via jasmonic acid signalling. <i>Plant, Cell and Environment</i> , 2013, 36, 393-404.	2.8	110
5	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and eco-evolutionary implications. <i>New Phytologist</i> , 2018, 220, 739-749.	3.5	101
6	Symbionts protect aphids from parasitic wasps by attenuating herbivore-induced plant volatiles. <i>Nature Communications</i> , 2017, 8, 1860.	5.8	96
7	Rhizobacterial colonization of roots modulates plant volatile emission and enhances the attraction of a parasitoid wasp to host-infested plants. <i>Oecologia</i> , 2015, 178, 1169-1180.	0.9	83
8	Characterisation of volatile components of Pinotage wines using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GC-TOFMS). <i>Food Chemistry</i> , 2011, 129, 188-199.	4.2	81
9	Canopy light cues affect emission of constitutive and methyl jasmonate-induced volatile organic compounds in <i>rabidopsis thaliana</i> . <i>New Phytologist</i> , 2013, 200, 861-874.	3.5	78
10	Herbivore-Mediated Effects of Glucosinolates on Different Natural Enemies of a Specialist Aphid. <i>Journal of Chemical Ecology</i> , 2012, 38, 100-115.	0.9	77
11	Drought stress affects plant metabolites and herbivore preference but not host location by its parasitoids. <i>Oecologia</i> , 2015, 177, 701-713.	0.9	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. <i>Analytica Chimica Acta</i> , 2011, 701, 98-111.	2.6	68
13	Caterpillar-induced plant volatiles remain a reliable signal for foraging wasps during dual attack with a plant pathogen or non-host insect herbivore. <i>Plant, Cell and Environment</i> , 2014, 37, 1924-1935.	2.8	66
14	Qualitative and Quantitative Differences in Herbivore-Induced Plant Volatile Blends from Tomato Plants Infested by Either <i>Tuta absoluta</i> or <i>Bemisia tabaci</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 53-65.	0.9	63
15	Trading direct for indirect defense? Phytochrome B inactivation in tomato attenuates direct anti-herbivore defenses whilst enhancing volatile-mediated attraction of predators. <i>New Phytologist</i> , 2016, 212, 1057-1071.	3.5	59
16	Symbiotic polydnavirus and venom reveal parasitoid to its hyperparasitoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5205-5210.	3.3	54
17	Volatile-mediated foraging behaviour of three parasitoid species under conditions of dual insect herbivore attack. <i>Animal Behaviour</i> , 2016, 111, 197-206.	0.8	50
18	Neonates know better than their mothers when selecting a host plant. <i>Oikos</i> , 2012, 121, 1923-1934.	1.2	46

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19	Attraction of egg-killing parasitoids toward induced plant volatiles in a multi-herbivore context. <i>Oecologia</i> , 2015, 179, 163-174.	0.9	45
20	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. <i>Pest Management Science</i> , 2013, 69, 302-311.	1.7	43
21	Attractiveness of volatiles from different body parts to the malaria mosquito <i>Anopheles coluzzii</i> is affected by deodorant compounds. <i>Scientific Reports</i> , 2016, 6, 27141.	1.6	43
22	Parasitism overrides herbivore identity allowing hyperparasitoids to locate their parasitoid host using herbivore-induced plant volatiles. <i>Molecular Ecology</i> , 2015, 24, 2886-2899.	2.0	40
23	Application of a Headspace Sorptive Extraction Method for the Analysis of Volatile Components in South African Wines. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8696-8702.	2.4	35
24	Chemometric investigation of the volatile content of young South African wines. <i>Food Chemistry</i> , 2011, 128, 1100-1109.	4.2	33
25	Analysis of Volatiles in Pinotage Wines by Stir Bar Sorptive Extraction and Chemometric Profiling. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10225-10236.	2.4	31
26	Compatible and incompatible pathogen-plant interactions differentially affect plant volatile emissions and the attraction of parasitoid wasps. <i>Functional Ecology</i> , 2016, 30, 1779-1789.	1.7	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. <i>Journal of Experimental Botany</i> , 2014, 65, 4821-4831.	2.4	29
28	To be in time: egg deposition enhances plant-mediated detection of young caterpillars by parasitoids. <i>Oecologia</i> , 2015, 177, 477-486.	0.9	29
29	Do apes smell like humans? The role of skin bacteria and volatiles of primates in mosquito host selection. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	24
30	Body Odors of Parasitized Caterpillars Give Away the Presence of Parasitoid Larvae to Their Primary Hyperparasitoid Enemies. <i>Journal of Chemical Ecology</i> , 2014, 40, 986-995.	0.9	22
31	Response of a Predatory ant to Volatiles Emitted by Aphid- and Caterpillar-Infested Cucumber and Potato Plants. <i>Journal of Chemical Ecology</i> , 2017, 43, 1007-1022.	0.9	19
32	Understanding the Long-Lasting Attraction of Malaria Mosquitoes to Odor Baits. <i>PLoS ONE</i> , 2015, 10, e0121533.	1.1	17
33	Does Aphid Infestation Interfere with Indirect Plant Defense against Lepidopteran Caterpillars in Wild Cabbage?. <i>Journal of Chemical Ecology</i> , 2017, 43, 493-505.	0.9	12
34	Terpenoid biosynthesis in <i>Arabidopsis</i> attacked by caterpillars and aphids: effects of aphid density on the attraction of a caterpillar parasitoid. <i>Oecologia</i> , 2017, 185, 699-712.	0.9	10
35	Altered Volatile Profile Associated with Precopulatory Mate Guarding Attracts Spider Mite Males. <i>Journal of Chemical Ecology</i> , 2015, 41, 187-193.	0.9	9
36	Effect of Sequential Induction by <i>Mamestra brassicae</i> L. and <i>Tetranychus urticae</i> Koch on Lima Bean Plant Indirect Defense. <i>Journal of Chemical Ecology</i> , 2014, 40, 977-985.	0.9	8

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37	Integrating Insect Life History and Food Plant Phenology: Flexible Maternal Choice Is Adaptive. International Journal of Molecular Sciences, 2016, 17, 1263.	1.8	6