Torsten Meiners

List of Publications by Year
in descending order

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52 papers	3,283 citations	236925 25 h-index	175258 52 g-index
56 all docs	56 docs citations	56 times ranked	3763 citing authors

#	Article	IF	Citations
1	Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. Ecology and Evolution, 2014, 4, 3514-3524.	1.9	697
2	Early Herbivore Alert: Insect Eggs Induce Plant Defense. Journal of Chemical Ecology, 2006, 32, 1379-1397.	1.8	302
3	Foraging behavior of egg parasitoids exploiting chemical information. Behavioral Ecology, 2008, 19, 677-689.	2.2	237
4	Induction of Plant Synomones by Oviposition of a Phytophagous Insect. Journal of Chemical Ecology, 2000, 26, 221-232.	1.8	181
5	How do plants â€œnoticeâ€•attack by herbivorous arthropods?. Biological Reviews, 2010, 85, 267-280.	10.4	159
6	Plants and insect eggs: How do they affect each other?. Phytochemistry, 2011, 72, 1612-1623.	2.9	144
7	Vegetation complexityâ€"The influence of plant species diversity and plant structures on plant chemical complexity and arthropods. Basic and Applied Ecology, 2010, 11, 383-395.	2.7	141
8	Determining the tick scutal index allows assessment of tick feeding duration and estimation of infection risk with Borrelia burgdorferi sensu lato in a person bitten by an Ixodes ricinus nymph. International Journal of Medical Microbiology, 2006, 296, 103-107.	3.6	113
9	Host location in Oomyzus gallerucae (Hymenoptera: Eulophidae), an egg parasitoid of the elm leaf beetle Xanthogaleruca luteola (Coleoptera: Chrysomelidae). Oecologia, 1997, 112, 87-93.	2.0	110
10	Rich in phenomena-lacking in terms. A classification of kairomones. Chemoecology, 2002, 12, 161-167.	1.1	92
11	Associative Learning of Complex Odours in Parasitoid Host Location. Chemical Senses, 2003, 28, 231-236.	2.0	80
12	Plant architecture and vegetation structure: Two ways for insect herbivores to escape parasitism. European Journal of Entomology, 2008, 105, 233-240.	1.2	68
13	Analysis of volatiles induced by oviposition of elm leaf beetle Xanthogaleruca luteola on Ulmus minor. Journal of Chemical Ecology, 2001, 27, 499-515.	1.8	62
14	Specificity of chemical cues used by a specialist egg parasitoid during host location. Entomologia Experimentalis Et Applicata, 2000, 95, 151-159.	1.4	58
15	How plants give early herbivore alert: Volatile terpenoids attract parasitoids to egg-infested elms. Basic and Applied Ecology, 2011, 12, 403-412.	2.7	55
16	Parasitic Wasps Learn and Report Diverse Chemicals with Unique Conditionable Behaviors. Chemical Senses, 2003, 28, 545-549.	2.0	50
17	Response of the elm leaf beetle to host plants induced by oviposition and feeding: the infestation rate matters. Entomologia Experimentalis Et Applicata, 2005, 115, 171-177.	1.4	47
18	Hide and seek on two spatial scales â€“ vegetation structure effects herbivore oviposition and egg parasitism. Basic and Applied Ecology, 2004, 5, 87-94.	2.7	45

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19	Chemical ecology and evolution of plantâ€“insect interactions: a multitrophic perspective. Current Opinion in Insect Science, 2015, 8, 22-28.	4.4	44
20	Motherâ€™s choice of the oviposition site: balancing risk of egg parasitism and need of food supply for the progeny with an infochemical shelter?. Chemoecology, 2007, 17, 177-186.	1.1	39
21	Land use and host neighbor identity effects on arbuscular mycorrhizal fungal community composition in focal plant rhizosphere. Biodiversity and Conservation, 2013, 22, 2193-2205.	2.6	37
22	Elm leaves â€˜warnedâ€™ by insect egg deposition reduce survival of hatching larvae by a shift in their quantitative leaf metabolite pattern. Plant, Cell and Environment, 2016, 39, 366-376.	5.7	35
23	Variation of Secondary Metabolite Profile of Zataria multiflora Boiss. Populations Linked to Geographic, Climatic, and Edaphic Factors. Frontiers in Plant Science, 2020, 11, 969.	3.6	32
24	Habitats as Complex Odour Environments: How Does Plant Diversity Affect Herbivore and Parasitoid Orientation?. PLoS ONE, 2014, 9, e85152.	2.5	29
25	Chemical signals mediating interactions betweenGaleruca tanaceti L. (Coleoptera, Chrysomelidae) and its egg parasitoidOomyzus galerucivorus (Hedqvits) (Hymenoptera, Eulophidae). Journal of Insect Behavior, 1997, 10, 523-539.	0.7	28
26	Elm defence against herbivores and pathogens: morphological, chemical and molecular regulation aspects. Phytochemistry Reviews, 2016, 15, 961-983.	6.5	27
27	The Effect of Molecular Structure on Olfactory Discrimination by the Parasitoid Microplitis croceipes. Chemical Senses, 2002, 27, 811-816.	2.0	25
28	Unusual mechanisms involved in learning of oviposition-induced host plant odours in an egg parasitoid?. Animal Behaviour, 2008, 75, 1423-1430.	1.9	24
29	Metabolomics Approaches for Analyzing Effects of Geographic and Environmental Factors on the Variation of Root Essential Oils of Ferula assa-foetida L. Journal of Agricultural and Food Chemistry, 2020, 68, 9940-9952.	5.2	21
30	Effect of vegetation density, height, and connectivity on the oviposition pattern of the leaf beetle Galeruca tanaceti. Entomologia Experimentalis Et Applicata, 2009, 132, 134-146.	1.4	19
31	Smelling the tree and the forest: elm background odours affect egg parasitoid orientation to herbivore induced terpenoids. BioControl, 2014, 59, 29-43.	2.0	19
32	Connectivity counts: disentangling effects of vegetation structure elements on the searching movement of a parasitoid. Ecological Entomology, 2010, 35, 446-455.	2.2	17
33	Land use intensification in grasslands: higher trophic levels are more negatively affected than lower trophic levels. Entomologia Experimentalis Et Applicata, 2013, 147, 269-281.	1.4	16
34	Being a parasitoid of parasites: host finding in the tick wasp Ixodiphagus hookeri by odours from mammals. Entomologia Experimentalis Et Applicata, 2010, 134, 131-137.	1.4	15
35	Multisensory Non-photoperiodic Cue Advances the Onset of Seasonal Breeding in Island Canaries (Serinus canaria). Journal of Biological Rhythms, 2011, 26, 434-440.	2.6	15
36	Antifungal activity of Zataria multiflora Boiss. essential oils and changes in volatile compound composition under abiotic stress conditions. Industrial Crops and Products, 2021, 171, 113888.	5.2	15

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37	Electrophysiological responses of the blue willow leaf beetle, PhratoraÂvulgatissima, to volatiles of different SalixÂviminalis genotypes. Entomologia Experimentalis Et Applicata, 2007, 125, 157-164.	1.4	13
38	Does vegetation complexity affect host plant chemistry, and thus multitrophic interactions, in a human-altered landscape?. Oecologia, 2015, 179, 281-292.	2.0	12
39	Oviposition at low temperatures - late season negatively affects the leaf beetle Galeruca tanaceti (Coleoptera: Galerucinae) but not its specialised egg parasitoid Oomyzus galerucivorus (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	12	
40	Enemies in low places - insects avoid winter mortality and egg parasitism by modulating oviposition height. Bulletin of Entomological Research, 2006, 96, 337-43.	1.0	11
41	Perspectives for integrated insect pest protection in oilseed rape breeding. Theoretical and Applied Genetics, 2022, 135, 3917-3946.	3.6	11
42	Fertilizer application decreases insect abundance on Plantago lanceolata: a large-scale experiment in three geographic regions. Arthropod-Plant Interactions, 2013, 7, 147-158.	1.1	10
43	Discovery pipelines for marine resources: an ocean of opportunity for biotechnology?. World Journal of Microbiology and Biotechnology, 2019, 35, 107.	3.6	10
44	Chemical defence in Brassicaceae against pollen beetles revealed by metabolomics and flower bud manipulation approaches. Plant, Cell and Environment, 2021, 44, 519-534.	5.7	10
45	Phenotypic plasticity in host plant preference of the willow leaf beetlePhratora vulgatissima: the impact of experience made by adults. Agricultural and Forest Entomology, 2014, 16, 417-425.	1.3	9
46	Infection of susceptible/tolerant barley genotypes with Barley yellow dwarf virus alters the host plant preference of Rhopalosiphum padi clones depending upon their ability to transmit BYDV. Journal of Pest Science, 2022, 95, 215-229.	3.7	8
47	Effects of temperature and soil fauna on the reduction and leaching of deoxynivalenol and zearalenone from Fusarium graminearum-infected maize stubbles. Mycotoxin Research, 2021, 37, 249-263.	2.3	4
48	EU-OPENSCREENâ€"chemical tools for the study of plant biology and resistance mechanisms. Journal of Chemical Biology, 2014, 7, 113-118.	2.2	3
49	Direct and indirect effects of agricultural intensification on a host-parasitoid system on the ribwort plantain (Plantago lanceolata L.) in a landscape context. Landscape Ecology, 2017, 32, 2015-2028.	4.2	3
50	Lumbricus terrestris regulating the ecosystem service/disservice balance in maize (Zea mays) cultivation. Plant and Soil, 2021, 462, 459-475.	3.7	3
51	Phenotypic Plasticity in a Willow Leaf Beetle Depends on Host Plant Species: Release and Recognition of Beetle Odors. Chemical Senses, 2015, 40, 109-124.	2.0	1
52	Morphological and olfactory tree traits influence the susceptibility and suitability of the apple species Malus domestica and M. sylvestris to the florivorous weevil Anthonomus pomorum (Coleoptera: Curculionidae). PeerJ, 0, 10, e13566.	2.0	0