

Caroline MÃ¼ller

List of Publications by Year in descending order

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200
papers

8,121
citations

70961

41
h-index

71532

76
g-index

218
all docs

218
docs citations

218
times ranked

8350
citing authors

#	ARTICLE	IF	CITATIONS
1	Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. <i>Ecology and Evolution</i> , 2014, 4, 3514-3524.	0.8	697
2	The R2R3-MYB transcription factor HAG1/MYB28 is a regulator of methionine-derived glucosinolate biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2007, 51, 247-261.	2.8	392
3	The transcription factor HIG1/MYB51 regulates indolic glucosinolate biosynthesis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2007, 50, 886-901.	2.8	371
4	Plant Surface Properties in Chemical Ecology. <i>Journal of Chemical Ecology</i> , 2005, 31, 2621-2651.	0.9	341
5	Plant chemistry and insect sequestration. <i>Chemoecology</i> , 2009, 19, 117-154.	0.6	336
6	HAG2/MYB76 and HAG3/MYB29 exert a specific and coordinated control on the regulation of aliphatic glucosinolate biosynthesis in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2008, 177, 627-642.	3.5	283
7	Sequestration of host plant glucosinolates in the defensive hemolymph of the sawfly <i>Athalia rosae</i> . <i>Journal of Chemical Ecology</i> , 2001, 27, 2505-2516.	0.9	146
8	Interactions between the jasmonic and salicylic acid pathway modulate the plant metabolome and affect herbivores of different feeding types. <i>Plant, Cell and Environment</i> , 2014, 37, 1574-1585.	2.8	142
9	High specificity in plant leaf metabolic responses to arbuscular mycorrhiza. <i>Nature Communications</i> , 2014, 5, 3886.	5.8	125
10	Species-specific and leaf-age dependent effects of ultraviolet radiation on two Brassicaceae. <i>Phytochemistry</i> , 2007, 68, 875-885.	1.4	107
11	Zinc and cadmium hyperaccumulation act as deterrents towards specialist herbivores and impede the performance of a generalist herbivore. <i>New Phytologist</i> , 2014, 202, 628-639.	3.5	107
12	Current Challenges in Plant Eco-Metabolomics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1385.	1.8	106
13	Insect personality depends on environmental conditions. <i>Behavioral Ecology</i> , 2013, 24, 386-392.	1.0	103
14	Impacts of sublethal insecticide exposure on insects – Facts and knowledge gaps. <i>Basic and Applied Ecology</i> , 2018, 30, 1-10.	1.2	103
15	Host recognition by the tobacco hornworm is mediated by a host plant compound. <i>Nature</i> , 2001, 411, 186-189.	13.7	89
16	Plant invasions, generalist herbivores, and novel defense weapons. <i>Ecology</i> , 2011, 92, 829-835.	1.5	87
17	Optical Properties of Plant Surfaces. , 0, , 216-249.		81
18	Intraspecific plant chemical diversity and its relation to herbivory. <i>Oecologia</i> , 2011, 166, 175-186.	0.9	75

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19	Leaf metabolome in arbuscular mycorrhizal symbiosis. <i>Current Opinion in Plant Biology</i> , 2015, 26, 120-126.	3.5	72
20	Host plant derived feeding deterrence towards ants in the turnip sawfly <i>Athalia rosae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2002, 104, 153-157.	0.7	68
21	Matching plant defence syndromes with performance and preference of a specialist herbivore. <i>Functional Ecology</i> , 2008, 22, 1033-1043.	1.7	66
22	Drought Stress and Leaf Herbivory Affect Root Terpenoid Concentrations and Growth of <i>Tanacetum vulgare</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 1115-1125.	0.9	63
23	Uptake and turn-over of glucosinolates sequestered in the sawfly <i>Athalia rosae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 1189-1198.	1.2	61
24	Chemical fingerprints encode mother's offspring similarity, colony membership, relatedness, and genetic quality in fur seals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5005-12.	3.3	61
25	Interactions between glucosinolate- and myrosinase-containing plants and the sawfly <i>Athalia rosae</i> . <i>Phytochemistry Reviews</i> , 2009, 8, 121-134.	3.1	60
26	Testing Predictions of the "Evolution of Increased Competitive Ability" Hypothesis for an Invasive Crucifer. <i>Evolutionary Ecology</i> , 2005, 19, 533-550.	0.5	57
27	Induction of plant responses by a sequestering insect: Relationship of glucosinolate concentration and myrosinase activity. <i>Basic and Applied Ecology</i> , 2007, 8, 13-25.	1.2	57
28	Heavy metal (hyper)accumulation in leaves of <i>Arabidopsis halleri</i> is accompanied by a reduced performance of herbivores and shifts in leaf glucosinolate and element concentrations. <i>Environmental and Experimental Botany</i> , 2017, 133, 78-86.	2.0	56
29	Aphid infestation leads to plant part-specific changes in phloem sap chemistry, which may indicate niche construction. <i>New Phytologist</i> , 2019, 221, 503-514.	3.5	56
30	Root herbivores and detritivores shape above-ground multitrophic assemblage through plant-mediated effects. <i>Journal of Animal Ecology</i> , 2010, 79, 923-931.	1.3	55
31	Development-dependent effects of UV radiation exposure on broccoli plants and interactions with herbivorous insects. <i>Environmental and Experimental Botany</i> , 2009, 66, 61-68.	2.0	52
32	Crosstalk between above- and belowground herbivores is mediated by minute metabolic responses of the host <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 6199-6210.	2.4	52
33	Rapid incorporation of glucosinolates as a strategy used by a herbivore to prevent activation by myrosinases. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 52, 115-123.	1.2	52
34	Biofumigation potential of Brassicaceae cultivars to <i>Verticillium dahliae</i> . <i>European Journal of Plant Pathology</i> , 2014, 140, 341-352.	0.8	52
35	Independent evolution of ancestral and novel defenses in a genus of toxic plants (<i>Erysimum</i>), Tj ETQq1 1 0.784314, rgBT /Overlock 10 2.8 52	2.8	52
36	Host finding and oviposition behavior in a chrysomelid specialist--the importance of host plant surface waxes. , 2001, 27, 985-994.		51

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37	Plant-Insect Interactions on Cuticular Surfaces. , 0, , 398-422.		51
38	Behavioural phenotypes over the lifetime of a holometabolous insect. <i>Frontiers in Zoology</i> , 2015, 12, S8.	0.9	51
39	Analysis of a Chemical Defense in Sawfly Larvae: Easy Bleeding Targets Predatory Wasps in Late Summer. <i>Journal of Chemical Ecology</i> , 2003, 29, 2683-2694.	0.9	50
40	Sequestration of Glucosinolates and Iridoid Glucosides in Sawfly Species of the Genus <i>Athalia</i> and Their Role in Defense Against Ants. <i>Journal of Chemical Ecology</i> , 2010, 36, 148-157.	0.9	49
41	Effects of glucosinolate and myrosinase levels in <i>Brassica juncea</i> on a glucosinolate-sequestering herbivore and vice versa. <i>Chemoecology</i> , 2006, 16, 191-201.	0.6	48
42	Role of plant Î²-glucosidases in the dual defense system of iridoid glycosides and their hydrolyzing enzymes in <i>Plantago lanceolata</i> and <i>Plantago major</i> . <i>Phytochemistry</i> , 2013, 94, 99-107.	1.4	47
43	Experimental and structural investigations of anemochorous dispersal. , 1997, 133, 169-180.		46
44	Lack of sequestration of host plant glucosinolates in <i>Pieris rapae</i> and <i>P. garricae</i> . <i>Chemoecology</i> , 2003, 13, 47-54.	0.6	46
45	Revised determination of free and complexed myrosinase activities in plant extracts. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 506-516.	2.8	46
46	The Power of Infochemicals in Mediating Individualized Niches. <i>Trends in Ecology and Evolution</i> , 2020, 35, 981-989.	4.2	45
47	Independent responses to ultraviolet radiation and herbivore attack in broccoli. <i>Journal of Experimental Botany</i> , 2009, 60, 3467-3475.	2.4	44
48	Differences in olfactory species recognition in the females of two Australian songbird species. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1819-1827.	0.6	44
49	What is an animal personality?. <i>Biology and Philosophy</i> , 2021, 36, 1.	0.7	44
50	Effects of Indole Glucosinolates on Performance and Sequestration by the Sawfly <i>Athalia rosae</i> and Consequences of Feeding on the Plant Defense System. <i>Journal of Chemical Ecology</i> , 2012, 38, 1366-1375.	0.9	43
51	Role of glucosinolates in plant invasiveness. <i>Phytochemistry Reviews</i> , 2009, 8, 227-242.	3.1	41
52	Unexpected reactions of a generalist predator towards defensive devices of cassidine larvae (Coleoptera, Chrysomelidae). <i>Oecologia</i> , 1999, 118, 166-172.	0.9	40
53	Mining for treatment-specific and general changes in target compounds and metabolic fingerprints in response to herbivory and phytohormones in <i>Plantago lanceolata</i> . <i>New Phytologist</i> , 2011, 191, 1069-1082.	3.5	40
54	Taste detection of the non-volatile isothiocyanate moringin results in deterrence to glucosinolate-adapted insect larvae. <i>Phytochemistry</i> , 2015, 118, 139-148.	1.4	40

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55	Antimicrobial Activity of Exocrine Glandular Secretions, Hemolymph, and Larval Regurgitate of the Mustard Leaf Beetle <i>Phaedon cochleariae</i> . <i>Journal of Invertebrate Pathology</i> , 1998, 72, 296-303.	1.5	39
56	Chemical defence in a sawfly: genetic components of variation in relevant life-history traits. <i>Heredity</i> , 2003, 90, 468-475.	1.2	39
57	Leaf surface wax layers of Brassicaceae lack feeding stimulants for <i>Phaedon cochleariae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2005, 115, 41-50.	0.7	39
58	Decomposers and root feeders interactively affect plant defence in <i>Sinapis alba</i> . <i>Oecologia</i> , 2009, 160, 289-298.	0.9	39
59	High chemical diversity of a plant species is accompanied by increased chemical defence in invasive populations. <i>Biological Invasions</i> , 2011, 13, 2091-2102.	1.2	39
60	UV-B impact on aphid performance mediated by plant quality and plant changes induced by aphids. <i>Plant Biology</i> , 2009, 12, 676-84.	1.8	38
61	Arbuscular Mycorrhiza-Induced Shifts in Foliar Metabolism and Photosynthesis Mirror the Developmental Stage of the Symbiosis and Are Only Partly Driven by Improved Phosphate Uptake. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 1403-1412.	1.4	38
62	Metal hyperaccumulation in Brassicaceae mediates defense against herbivores in the field and improves growth. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 3-10.	0.7	37
63	Sublethal insecticide exposure affects reproduction, chemical phenotype as well as offspring development and antennae symmetry of a leaf beetle. <i>Environmental Pollution</i> , 2017, 230, 709-717.	3.7	37
64	Understanding the evolution of personality requires the study of mechanisms behind the development and life history of personality traits. <i>Biology Letters</i> , 2018, 14, .	1.0	37
65	Transcriptional Reprogramming of <i>Arabidopsis thaliana</i> Defence Pathways by the Entomopathogen <i>Beauveria bassiana</i> Correlates With Resistance Against a Fungal Pathogen but Not Against Insects. <i>Frontiers in Microbiology</i> , 2019, 10, 615.	1.5	37
66	The effect of a green leaf volatile on host plant finding by larvae of a herbivorous insect. <i>Die Naturwissenschaften</i> , 2000, 87, 216-219.	0.6	36
67	Salicylic acid-dependent and -independent impact of an <i>scp</i> RNA-binding protein on plant immunity. <i>Plant, Cell and Environment</i> , 2014, 37, 696-706.	2.8	36
68	<i>Trichoderma atroviride</i> LU132 promotes plant growth but not induced systemic resistance to <i>Plutella xylostella</i> in oilseed rape. <i>BioControl</i> , 2014, 59, 241-252.	0.9	36
69	Desulfation Followed by Sulfation: Metabolism of Benzylglucosinolate in <i>Athalia rosae</i> (Hymenoptera: Tenthredinidae). <i>ChemBioChem</i> , 2011, 12, 1252-1257.	1.3	35
70	A common pathway for metabolism of 4-hydroxybenzylglucosinolate in <i>Pieris</i> and <i>Anthracaris</i> (Lepidoptera: Pieridae). <i>Biochemical Systematics and Ecology</i> , 2006, 34, 189-198.	0.6	34
71	Specificity of Induction Responses in <i>Sinapis alba</i> L. and Their Effects on a Specialist Herbivore. <i>Journal of Chemical Ecology</i> , 2007, 33, 1582-1597.	0.9	34
72	Olfactory versus Contact Cues in Host Plant Recognition of a Monophagous Chrysomelid Beetle. <i>Journal of Insect Behavior</i> , 2007, 20, 247-266.	0.4	34

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73	Combined impacts of prolonged drought and warming on plant size and foliar chemistry. <i>Annals of Botany</i> , 2019, 124, 41-52.	1.4	34
74	Effects of larval versus adult density conditions on reproduction and behavior of a leaf beetle. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 2081-2091.	0.6	33
75	Adult beetles compensate for poor larval food conditions. <i>Journal of Insect Physiology</i> , 2016, 88, 24-32.	0.9	33
76	Chemosensory and behavioural responses of the turnip sawfly, <i>Athalia rosae</i> , to glucosinolates and isothiocyanates. <i>Chemoecology</i> , 2006, 16, 209-218.	0.6	32
77	Proposal for field sampling of plants and processing in the lab for environmental metabolic fingerprinting. <i>Plant Methods</i> , 2010, 6, 6.	1.9	32
78	Genetic and chemical variation of <i>Tanacetum vulgare</i> in plants of native and invasive origin. <i>Biological Control</i> , 2012, 61, 240-245.	1.4	32
79	Is there a trade-off between glucosinolate-based organic and inorganic defences in a metal hyperaccumulator in the field?. <i>Oecologia</i> , 2015, 178, 369-378.	0.9	32
80	Both heavy metal-amendment of soil and aphid-infestation increase Cd and Zn concentrations in phloem exudates of a metal-hyperaccumulating plant. <i>Phytochemistry</i> , 2017, 139, 109-117.	1.4	32
81	Effects of intraspecific and intra-individual differences in plant quality on preference and performance of monophagous aphid species. <i>Oecologia</i> , 2018, 186, 173-184.	0.9	32
82	Folivory versus florivory—adaptiveness of flower feeding. <i>Die Naturwissenschaften</i> , 2010, 97, 79-88.	0.6	31
83	Influence of arbuscular mycorrhizal stage and plant age on the performance of a generalist aphid. <i>Journal of Insect Physiology</i> , 2017, 98, 258-266.	0.9	30
84	Photochemically Driven Biocatalysis of Halogenases for the Green Production of Chlorinated Compounds. <i>ChemCatChem</i> , 2018, 10, 3336-3341.	1.8	30
85	Defence effectiveness of easy bleeding sawfly larvae towards invertebrate and avian predators. <i>Chemoecology</i> , 2005, 15, 51-58.	0.6	29
86	Transcriptional responses to short-term and long-term host plant experience and parasite load in an oligophagous beetle. <i>Molecular Ecology</i> , 2017, 26, 6370-6383.	2.0	28
87	Impacts of Ultraviolet Radiation on Interactions Between Plants and Herbivorous Insects: A Chemo-Ecological Perspective. <i>Progress in Botany Fortschritte Der Botanik</i> , 2010, , 305-347.	0.1	26
88	Relevance of visual and olfactory cues for host location in the mustard leaf beetle <i>Phaedon cochleariae</i> . <i>Physiological Entomology</i> , 2011, 36, 68-76.	0.6	26
89	The consequences of alternating diet on performance and food preferences of a specialist leaf beetle. <i>Journal of Insect Physiology</i> , 2013, 59, 840-847.	0.9	26
90	Wheat growth, applied water use efficiency and flag leaf metabolome under continuous and pulsed deficit irrigation. <i>Scientific Reports</i> , 2020, 10, 10112.	1.6	26

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91	Title is missing!. Journal of Insect Behavior, 2001, 14, 739-757.	0.4	25
92	Responses of an oligophagous beetle species to rearing for several generations on alternative host-plant species. Ecological Entomology, 2011, 36, 125-134.	1.1	25
93	Plant-mediated interactions between shoot-feeding aphids and root-feeding nematodes depend on nitrate fertilization. Oecologia, 2013, 173, 1367-1377.	0.9	25
94	Differences in shoot and root terpenoid profiles and plant responses to fertilisation in <i>Tanacetum vulgare</i> . Phytochemistry, 2013, 96, 123-131.	1.4	25
95	Variation in plant defences among populations of a range-expanding plant: consequences for trophic interactions. New Phytologist, 2014, 204, 989-999.	3.5	25
96	Intracontinental plant invader shows matching genetic and chemical profiles and might benefit from high defence variation within populations. Journal of Ecology, 2018, 106, 714-726.	1.9	25
97	Trade-offs in oviposition choice? Food-dependent performance and defence against predators of a herbivorous sawfly. Entomologia Experimentalis Et Applicata, 2007, 124, 153-159.	0.7	24
98	New perspectives in behavioural development: adaptive shaping of behaviour over a lifetime?. Frontiers in Zoology, 2015, 12, S1.	0.9	24
99	Novelty at second glance: a critical appraisal of the novel object paradigm based on meta-analysis. Animal Behaviour, 2021, 180, 123-142.	0.8	24
100	The use of general foraging kairomones in a generalist parasitoid. Oikos, 2001, 95, 78-86.	1.2	23
101	Effectiveness of the defence mechanism of the turnip sawfly, <i>Athalia rosae</i> (Hymenoptera: Tj ETQq1 1 0.784314 rggBT /Overlock 10 T 5	0.5	23
102	Protein synthesis-dependent long-term memory induced by one single associative training trial in the parasitic wasp <i>Lariophagus distinguendus</i> . Learning and Memory, 2006, 13, 263-266.	0.5	23
103	Effects of Arbuscular Mycorrhiza on Plant Chemistry and the Development and Behavior of a Generalist Herbivore. Journal of Chemical Ecology, 2016, 42, 1247-1258.	0.9	23
104	Flower Production, Headspace Volatiles, Pollen Nutrients, and Florivory in <i>Tanacetum vulgare</i> Chemotypes. Frontiers in Plant Science, 2020, 11, 611877.	1.7	23
105	Chemical phenotype as important and dynamic niche dimension of plants. New Phytologist, 2022, 234, 1168-1174.	3.5	23
106	Effects of single and combined heavy metals and their chelators on aphid performance and preferences. Environmental Toxicology and Chemistry, 2016, 35, 3023-3030.	2.2	22
107	Variation in flavonoid pattern in leaves and flowers of <i>Primula veris</i> of different origin and impact of UV-B. Biochemical Systematics and Ecology, 2014, 53, 81-88.	0.6	21
108	Metal hyperaccumulation in the Brassicaceae species <i>Arabidopsis halleri</i> reduces camalexin induction after fungal pathogen attack. Environmental and Experimental Botany, 2018, 153, 120-126.	2.0	21

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109	Parental sublethal insecticide exposure prolongs mating response and decreases reproductive output in offspring. <i>Journal of Applied Ecology</i> , 2019, 56, 1528-1537.	1.9	21
110	Effects of drought and mycorrhiza on wheat and aphid infestation. <i>Ecology and Evolution</i> , 2020, 10, 10481-10491.	0.8	21
111	Associative learning and memory duration in the parasitic wasp <i>Lariophagus distinguendus</i> . <i>Animal Biology</i> , 2006, 56, 221-232.	0.6	20
112	Differing acceptance of familiar and unfamiliar plant species by an oligophagous beetle. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 131, 189-199.	0.7	20
113	Consequences of mating with siblings and nonsiblings on the reproductive success in a leaf beetle. <i>Ecology and Evolution</i> , 2016, 6, 3185-3197.	0.8	20
114	Sublethal insecticide exposure of an herbivore alters the response of its predator. <i>Environmental Pollution</i> , 2019, 247, 39-45.	3.7	20
115	Volatile, stored and phloem exudate-located compounds represent different appearance levels affecting aphid niche choice. <i>Phytochemistry</i> , 2019, 159, 1-10.	1.4	20
116	Host Shifts from Lamiales to Brassicaceae in the Sawfly Genus <i>Athalia</i> . <i>PLoS ONE</i> , 2012, 7, e33649.	1.1	20
117	Glucosinolate turnover in Brassicales species to an oxazolidin-2-one, formed via the 2-thione and without formation of thioamide. <i>Phytochemistry</i> , 2018, 153, 79-93.	1.4	19
118	Different herbivore responses to two co-occurring chemotypes of the wild crucifer <i>Barbarea vulgaris</i> . <i>Arthropod-Plant Interactions</i> , 2019, 13, 19-30.	0.5	19
119	Different oviposition behaviour in Chrysomelid beetles: Characterisation of the interface between oviposition secretion and the plant surface. <i>Arthropod Structure and Development</i> , 2006, 35, 197-205.	0.8	18
120	Long- and medium-term effects of aridity on the chemical defence of a widespread Brassicaceae in the Mediterranean. <i>Environmental and Experimental Botany</i> , 2014, 105, 39-45.	2.0	18
121	Phenotype of a leaf beetle larva depends on host plant quality and previous test experience. <i>Behavioural Processes</i> , 2017, 142, 40-45.	0.5	18
122	The Role of the Glucosinolate-Myrosinase System in Mediating Greater Resistance of <i>Barbarea verna</i> than <i>B. vulgaris</i> to <i>Mamestra brassicae</i> Larvae. <i>Journal of Chemical Ecology</i> , 2018, 44, 1190-1205.	0.9	18
123	Multiple feeding stimulants in <i>Sinapis alba</i> for the oligophagous leaf beetle <i>Phaedon cochleariae</i> . <i>Chemoecology</i> , 2008, 18, 19-27.	0.6	17
124	Larval food composition affects courtship song and sperm expenditure in a lekking moth. <i>Ecological Entomology</i> , 2015, 40, 34-41.	1.1	17
125	Inbreeding diminishes herbivore-induced metabolic responses in native and invasive plant populations. <i>Journal of Ecology</i> , 2019, 107, 923-936.	1.9	17
126	Oilseed rape seeds with ablated defence cells of the glucosinolate-myrosinase system. Production and characteristics of double haploid MINELESS plants of <i>Brassica napus</i> L. <i>Journal of Experimental Botany</i> , 2011, 62, 4975-4993.	2.4	16

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127	Diet dependent experience and physiological state shape the behavior of a generalist herbivore. <i>Physiology and Behavior</i> , 2014, 129, 95-103.	1.0	16
128	Effects of Root Herbivory by Nematodes on the Performance and Preference of a Leaf-Infesting Generalist Aphid Depend on Nitrate Fertilization. <i>Journal of Chemical Ecology</i> , 2014, 40, 118-127.	0.9	16
129	Choice behaviour and performance of <i>Cassida stigmatica</i> on various chemotypes of <i>Tanacetum vulgare</i> and implications for biocontrol. <i>Entomologia Experimentalis Et Applicata</i> , 2012, 144, 78-85.	0.7	15
130	Impact of defoliation on the regrowth capacity and the shoot metabolite profile of <i>Plantago lanceolata</i> L.. <i>Plant Physiology and Biochemistry</i> , 2013, 71, 325-333.	2.8	15
131	Derivatization of isothiocyanates and their reactive adducts for chromatographic analysis. <i>Phytochemistry</i> , 2015, 118, 109-115.	1.4	15
132	The effects of mineral nitrogen limitation, competition, arbuscular mycorrhiza, and their respective interactions, on morphological and chemical plant traits of <i>Plantago lanceolata</i> . <i>Phytochemistry</i> , 2015, 118, 149-161.	1.4	15
133	Influences of blackberry margins on population dynamics of <i>Drosophila suzukii</i> and grape infestation in adjacent vineyards. <i>Journal of Applied Entomology</i> , 2019, 143, 802-812.	0.8	15
134	Ecology and Evolution of Intraspecific Chemodiversity of Plants. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	15
135	Host plant effects on the behavioural phenotype of a Chrysomelid. <i>Ecological Entomology</i> , 2017, 42, 336-344.	1.1	14
136	Early-Mid Pleistocene genetic differentiation and range expansions as exemplified by invasive Eurasian <i>Bunias orientalis</i> (Brassicaceae) indicates the Caucasus as key region. <i>Scientific Reports</i> , 2017, 7, 16764.	1.6	14
137	Elevational differentiation in metabolic cold stress responses of an endemic mountain tree. <i>Environmental and Experimental Botany</i> , 2020, 171, 103918.	2.0	14
138	Insights into Metabolic Changes Caused by the <i>Trichoderma virens</i> –Maize Root Interaction. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 524-537.	1.4	14
139	Plant-mediated indirect effects of climate change on an insect herbivore. <i>Basic and Applied Ecology</i> , 2021, 53, 100-113.	1.2	14
140	Variation in the effectiveness of abdominal shields of cassidine larvae against predators. <i>Entomologia Experimentalis Et Applicata</i> , 2002, 102, 191-198.	0.7	13
141	Larval performance of the mustard leaf beetle (<i>Phaedon cochleariae</i> , Coleoptera, Chrysomelidae) on white mustard (<i>Sinapis alba</i>) and watercress (<i>Nasturtium officinale</i>) leaves in dependence of plant exposure to ultraviolet radiation. <i>Environmental Pollution</i> , 2009, 157, 2053-2060.	3.7	13
142	Chemical Defenses (Glucosinolates) of Native and Invasive Populations of the Range Expanding Invasive Plant <i>Rorippa austriaca</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 363-370.	0.9	13
143	Suppression of <i>Verticillium dahliae</i> by glucosinolate-containing seed meal amendments. <i>European Journal of Plant Pathology</i> , 2015, 142, 239-249.	0.8	13
144	Effects of continuous versus pulsed drought stress on physiology and growth of wheat. <i>Plant Biology</i> , 2018, 20, 1005-1013.	1.8	13

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145	Direct and delayed effects of exposure to a sublethal concentration of the insecticide Î-cyhalothrin on food consumption and reproduction of a leaf beetle. <i>Science of the Total Environment</i> , 2021, 760, 143381.	3.9	13
146	Syndromes in suites of correlated traits suggest multiple mechanisms facilitating invasion in a plant range-expander. <i>NeoBiota</i> , 0, 37, 1-22.	1.0	13
147	Novel glucosinolate metabolism in larvae of the leaf beetle <i>Phaedon cochleariae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 124, 103431.	1.2	12
148	Evolution of increased competitive ability and shifting defence hypotheses.. , 2018, , 103-123.		12
149	Resistance at the Plant Cuticle. , 2008, , 107-129.		11
150	Exotic plant species are locally adapted but not to high ultravioletâ€B radiation: a reciprocal multispecies experiment. <i>Ecology</i> , 2019, 100, e02665.	1.5	11
151	Different phagostimulants in potato foliage for <i>Manduca sexta</i> and <i>Leptinotarsa decemlineata</i> . <i>Chemoecology</i> , 2001, 11, 37-41.	0.6	10
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154	Differential roles of glucosinolates and camalexin at different stages of <i>Agrobacterium</i> -mediated transformation. <i>Molecular Plant Pathology</i> , 2018, 19, 1956-1970.	2.0	9
155	From plants to herbivores: novel insights into the ecological and evolutionary consequences of plant variation. <i>Oecologia</i> , 2018, 187, 357-360.	0.9	9
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157	Inbreeding in a dioecious plant has sex- and population origin-specific effects on its interactions with pollinators. <i>ELife</i> , 2021, 10, .	2.8	9
158	Host plant derived feeding deterrence towards ants in the turnip sawfly <i>Athalia rosae</i> . , 2002, , 153-157.		9
159	Uncovering different parameters influencing florivory in a specialist herbivore. <i>Ecological Entomology</i> , 2015, 40, 258-268.	1.1	8
160	Short-term drought and long-term climate legacy affect production of chemical defenses among plant ecotypes. <i>Environmental and Experimental Botany</i> , 2017, 141, 124-131.	2.0	8
161	Interactions of <i>Bunias orientalis</i> plant chemotypes and fungal pathogens with different host specificity in vivo and in vitro. <i>Scientific Reports</i> , 2020, 10, 10750.	1.6	8
162	Highly Species-Specific Foliar Metabolomes of Diverse Woody Species and Relationships with the Leaf Economics Spectrum. <i>Cells</i> , 2021, 10, 644.	1.8	8

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164	Drought and Subsequent Soil Flooding Affect the Growth and Metabolism of Savoy Cabbage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13307.	1.8	8
165	Metabolic Changes during Storage of <i>Brassica napus</i> Seeds under Moist Conditions and the Consequences for the Sensory Quality of the Resulting Virgin Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11073-11084.	2.4	7
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171	Effects of Variety and Grape Berry Condition of <i>Vitis vinifera</i> on Preference Behavior and Performance of <i>Drosophila suzukii</i> . <i>Insects</i> , 2019, 10, 432.	1.0	6
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176	Gregarines modulate insect responses to sublethal insecticide residues. <i>Oecologia</i> , 2022, 198, 255-265.	0.9	5
177	Time point- and plant part-specific changes in phloem exudate metabolites of leaves and ears of wheat in response to drought and effects on aphids. <i>PLoS ONE</i> , 2022, 17, e0262671.	1.1	5
178	Prefeeding and Acceptance Behavior of an Oligophagous Beetle is Dependent on Plant Suitability and Rearing History. <i>Journal of Insect Behavior</i> , 2012, 25, 155-165.	0.4	4
179	Inbreeding Alters the Chemical Phenotype and Mating Behavior of a Beetle. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	4
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182	Intergenerational Effects of Early-Life Starvation on Life History, Consumption, and Transcriptome of a Holometabolous Insect. <i>American Naturalist</i> , 2022, 199, E229-E243.	1.0	4
183	Morphologically and physiologically diverse fruits of two <i>Lepidium</i> species differ in allocation of glucosinolates into immature and mature seed and pericarp. <i>PLoS ONE</i> , 2020, 15, e0227528.	1.1	3
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188	Plant species, mycorrhiza, and aphid age influence the performance and behaviour of a generalist. <i>Ecological Entomology</i> , 2018, 43, 37-46.	1.1	2
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190	Herbivore-induced plant volatiles, not natural enemies, mediate a positive indirect interaction between insect herbivores. <i>Oecologia</i> , 2022, 198, 443.	0.9	2
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192	Inside Cover: Desulfation Followed by Sulfation: Metabolism of Benzylglucosinolate in <i>Athalia rosae</i> (Hymenoptera: Tenthredinidae) (<i>ChemBioChem</i> 8/2011). <i>ChemBioChem</i> , 2011, 12, 1138-1138.	1.3	0
193	Chemical patterns of colony membership and mother-offspring similarity in Antarctic fur seals are reproducible. <i>PeerJ</i> , 2020, 8, e10131.	0.9	0
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