

Caroline MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

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	Shifts between cooperation and antagonism driven by individual variation: a systematic synthesis review. <i>Oikos</i> , 2022, 2022, .	1.2	4
2	Fighting over defense chemicals disrupts mating behavior. <i>Behavioral Ecology</i> , 2022, 33, 329-335.	1.0	3
3	Gregarines modulate insect responses to sublethal insecticide residues. <i>Oecologia</i> , 2022, 198, 255-265.	0.9	5
4	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
5	Herbivore-induced plant volatiles, not natural enemies, mediate a positive indirect interaction between insect herbivores. <i>Oecologia</i> , 2022, 198, 443.	0.9	2
6	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
7	Chemical phenotype as important and dynamic niche dimension of plants. <i>New Phytologist</i> , 2022, 234, 1168-1174.	3.5	23
8	Fluctuating Starvation Conditions Modify Host-Symbiont Relationship Between a Leaf Beetle and Its Newly Identified Gregarine Species. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	0
9	Unique metabolism of different glucosinolates in larvae and adults of a leaf beetle specialised on Brassicaceae. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
10	Chemical defense acquired via pharmacophagy can lead to protection from predation for conspecifics in a sawfly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	6
11	Variation in DNA methylation and response to short-term herbivory in <i>Thlaspi arvense</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2022, 293, 152106.	0.6	3
12	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
13	What is an animal personality?. <i>Biology and Philosophy</i> , 2021, 36, 1.	0.7	44
14	Survival of the Sawfly <i>Athalia rosae</i> Upon Infection by an Entomopathogenic Fungus and in Relation to Clerodanoid Uptake. <i>Frontiers in Physiology</i> , 2021, 12, 637617.	1.3	7
15	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
16	Pre-dispersal seed predators boost seed production in a short-lived plant. <i>Oecologia</i> , 2021, 195, 971-982.	0.9	8
17	Physical and Chemical Traits of Grape Varieties Influence <i>Drosophila suzukii</i> Preferences and Performance. <i>Frontiers in Plant Science</i> , 2021, 12, 664636.	1.7	5
18	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

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19	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
20	Plant-mediated indirect effects of climate change on an insect herbivore. <i>Basic and Applied Ecology</i> , 2021, 53, 100-113.	1.2	14
21	Novelty at second glance: a critical appraisal of the novel object paradigm based on meta-analysis. <i>Animal Behaviour</i> , 2021, 180, 123-142.	0.8	24
22	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
23	Elevational differentiation in metabolic cold stress responses of an endemic mountain tree. <i>Environmental and Experimental Botany</i> , 2020, 171, 103918.	2.0	14
24	The Power of Infochemicals in Mediating Individualized Niches. <i>Trends in Ecology and Evolution</i> , 2020, 35, 981-989.	4.2	45
25	Effects of drought and mycorrhiza on wheat and aphid infestation. <i>Ecology and Evolution</i> , 2020, 10, 10481-10491.	0.8	21
26	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
27	Altered rainfall patterns reduce plant fitness and disrupt interactions between below- and aboveground insect herbivores. <i>Ecosphere</i> , 2020, 11, e03127.	1.0	3
28	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
29	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
30	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
31	Flower Production, Headspace Volatiles, Pollen Nutrients, and Florivory in <i>Tanacetum vulgare</i> Chemotypes. <i>Frontiers in Plant Science</i> , 2020, 11, 611877.	1.7	23
32	Independent evolution of ancestral and novel defenses in a genus of toxic plants (<i>Erysimum</i> ,) <i>Trends in Ecology and Evolution</i> , 2020, 35, 981-989.	2.8	52
33	Chemical patterns of colony membership and mother-offspring similarity in Antarctic fur seals are reproducible. <i>PeerJ</i> , 2020, 8, e10131.	0.9	0
34	Title is missing!. , 2020, 15, e0227528.		0
35	Title is missing!. , 2020, 15, e0227528.		0
36	Title is missing!. , 2020, 15, e0227528.		0

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37	Title is missing!. , 2020, 15, e0227528.		0
38	Title is missing!. , 2020, 15, e0227528.		0
39	Title is missing!. , 2020, 15, e0227528.		0
40	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
41	Pre-adaptations and shifted chemical defences provide <i>Buddleja davidii</i> populations with high resistance against antagonists in the invasive range. <i>Biological Invasions</i> , 2019, 21, 333-347.	1.2	2
42	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
43	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
44	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
45	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
46	Exotic plant species are locally adapted but not to high ultraviolet-B radiation: a reciprocal multispecies experiment. <i>Ecology</i> , 2019, 100, e02665.	1.5	11
47	Early life starvation has stronger intra-generational than transgenerational effects on key life-history traits and consumption measures in a sawfly. <i>PLoS ONE</i> , 2019, 14, e0226519.	1.1	7
48	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
49	Inbreeding diminishes herbivore-induced metabolic responses in native and invasive plant populations. <i>Journal of Ecology</i> , 2019, 107, 923-936.	1.9	17
50	Sublethal insecticide exposure of an herbivore alters the response of its predator. <i>Environmental Pollution</i> , 2019, 247, 39-45.	3.7	20
51	Two-tier morphochemical defence tactic in <i>Aethionema</i> via fruit morph plasticity and glucosinolates allocation in diaspores. <i>Plant, Cell and Environment</i> , 2019, 42, 1381-1392.	2.8	9
52	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
53	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
54	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

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55	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
56	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
57	Photochemically Driven Biocatalysis of Halogenases for the Green Production of Chlorinated Compounds. <i>ChemCatChem</i> , 2018, 10, 3336-3341.	1.8	30
58	Intracontinental plant invader shows matching genetic and chemical profiles and might benefit from high defence variation within populations. <i>Journal of Ecology</i> , 2018, 106, 714-726.	1.9	25
59	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
60	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
61	Inbreeding Alters the Chemical Phenotype and Mating Behavior of a Beetle. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	4
62	Transgenerational effects of ungulates and pre-dispersal seed predators on offspring success and resistance to herbivory. <i>PLoS ONE</i> , 2018, 13, e0207553.	1.1	5
63	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
64	Metal hyperaccumulation in the Brassicaceae species <i>Arabidopsis halleri</i> reduces camalexin induction after fungal pathogen attack. <i>Environmental and Experimental Botany</i> , 2018, 153, 120-126.	2.0	21
65	Impacts of sublethal insecticide exposure on insects – Facts and knowledge gaps. <i>Basic and Applied Ecology</i> , 2018, 30, 1-10.	1.2	103
66	Effects of continuous versus pulsed drought stress on physiology and growth of wheat. <i>Plant Biology</i> , 2018, 20, 1005-1013.	1.8	13
67	Current Challenges in Plant Eco-Metabolomics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1385.	1.8	106
68	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
69	Evolution of increased competitive ability and shifting defence hypotheses.. , 2018, , 103-123.		12
70	Host plant effects on the behavioural phenotype of a <i>C</i> -hrysolid. <i>Ecological Entomology</i> , 2017, 42, 336-344.	1.1	14
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	Impact of drought on plant populations of native and invasive origins. <i>Oecologia</i> , 2017, 183, 9-20.	0.9	7
79	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
80	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
81	Multidimensionality of Chemical Information in Male Greater Sac-Winged Bats (<i>Saccopteryx bilineata</i>). <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	5
82	Effects of single and combined heavy metals and their chelators on aphid performance and preferences. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 3023-3030.	2.2	22
83	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
84	Effects of Arbuscular Mycorrhiza on Plant Chemistry and the Development and Behavior of a Generalist Herbivore. <i>Journal of Chemical Ecology</i> , 2016, 42, 1247-1258.	0.9	23
85	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
86	Adult beetles compensate for poor larval food conditions. <i>Journal of Insect Physiology</i> , 2016, 88, 24-32.	0.9	33
87	Chemical Analyses Reveal Family-Specific Nest Odor Profiles in Zebra Finches (<i>Taeniopygia guttata</i>): A Pilot Study. , 2016, , 167-175.		4
88	New perspectives in behavioural development: adaptive shaping of behaviour over a lifetime?. <i>Frontiers in Zoology</i> , 2015, 12, S1.	0.9	24
89	Behavioural phenotypes over the lifetime of a holometabolous insect. <i>Frontiers in Zoology</i> , 2015, 12, S8.	0.9	51
90	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

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91	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
92	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
93	Leaf metabolome in arbuscular mycorrhizal symbiosis. <i>Current Opinion in Plant Biology</i> , 2015, 26, 120-126.	3.5	72
94	Larval food composition affects courtship song and sperm expenditure in a lekking moth. <i>Ecological Entomology</i> , 2015, 40, 34-41.	1.1	17
95	Uncovering different parameters influencing florivory in a specialist herbivore. <i>Ecological Entomology</i> , 2015, 40, 258-268.	1.1	8
96	Impact of the dual defence system of <i>Plantago lanceolata</i> (Plantaginaceae) on performance, nutrient utilisation and feeding choice behaviour of <i>Amata mogadorensis</i> larvae (Lepidoptera, Erebidae). <i>Journal of Insect Physiology</i> , 2015, 82, 99-108.	0.9	9
97	Derivatization of isothiocyanates and their reactive adducts for chromatographic analysis. <i>Phytochemistry</i> , 2015, 118, 109-115.	1.4	15
98	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
99	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
100	Chemical fingerprints encode mother-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
101	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
102	Local and systemic transcriptional responses to crosstalk between above- and belowground herbivores in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2014, 9, e976113.	1.2	1
103	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
104	Salicylic acid-dependent and -independent impact of an RNA-binding protein on plant immunity. <i>Plant, Cell and Environment</i> , 2014, 37, 696-706.	2.8	36
105	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
106	Variation in flavonoid pattern in leaves and flowers of <i>Primula veris</i> of different origin and impact of UV-B. <i>Biochemical Systematics and Ecology</i> , 2014, 53, 81-88.	0.6	21
107	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
108	High specificity in plant leaf metabolic responses to arbuscular mycorrhiza. <i>Nature Communications</i> , 2014, 5, 3886.	5.8	125

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109	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
110	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
111	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
112	Variation in plant defences among populations of a range-expanding plant: consequences for trophic interactions. <i>New Phytologist</i> , 2014, 204, 989-999.	3.5	25
113	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
114	Biofumigation potential of Brassicaceae cultivars to <i>Verticillium dahliae</i> . <i>European Journal of Plant Pathology</i> , 2014, 140, 341-352.	0.8	52
115	<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
116	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
117	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
118	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
119	Plant-mediated interactions between shoot-feeding aphids and root-feeding nematodes depend on nitrate fertilization. <i>Oecologia</i> , 2013, 173, 1367-1377.	0.9	25
120	Role of plant β -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
121	Differences in shoot and root terpenoid profiles and plant responses to fertilisation in <i>Tanacetum vulgare</i> . <i>Phytochemistry</i> , 2013, 96, 123-131.	1.4	25
122	Insect personality depends on environmental conditions. <i>Behavioral Ecology</i> , 2013, 24, 386-392.	1.0	103
123	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
124	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
125	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
126	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

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127	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
128	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
129	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
130	Host Shifts from Lamiales to Brassicaceae in the Sawfly Genus <i>Athalia</i> . <i>PLoS ONE</i> , 2012, 7, e33649.	1.1	20
131	Plant invasions, generalist herbivores, and novel defense weapons. <i>Ecology</i> , 2011, 92, 829-835.	1.5	87
132	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
133	Responses of an oligophagous beetle species to rearing for several generations on alternative host-plant species. <i>Ecological Entomology</i> , 2011, 36, 125-134.	1.1	25
134	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
135	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
136	Intraspecific plant chemical diversity and its relation to herbivory. <i>Oecologia</i> , 2011, 166, 175-186.	0.9	75
137	Desulfation Followed by Sulfation: Metabolism of Benzylglucosinolate in <i>Athalia rosae</i> (Hymenoptera: Tenthredinidae). <i>ChemBioChem</i> , 2011, 12, 1252-1257.	1.3	35
138	Inside Cover: Desulfation Followed by Sulfation: Metabolism of Benzylglucosinolate in <i>Athalia rosae</i> (Hymenoptera: Tenthredinidae) (ChemBioChem 8/2011). <i>ChemBioChem</i> , 2011, 12, 1138-1138.	1.3	0
139	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
140	Folivory versus florivory—adaptiveness of flower feeding. <i>Die Naturwissenschaften</i> , 2010, 97, 79-88.	0.6	31
141	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
142	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
143	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
144	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

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145	Independent responses to ultraviolet radiation and herbivore attack in broccoli. <i>Journal of Experimental Botany</i> , 2009, 60, 3467-3475.	2.4	44
146	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
147	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
148	Decomposers and root feeders interactively affect plant defence in <i>Sinapis alba</i> . <i>Oecologia</i> , 2009, 160, 289-298.	0.9	39
149	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
150	Role of glucosinolates in plant invasiveness. <i>Phytochemistry Reviews</i> , 2009, 8, 227-242.	3.1	41
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160	Specificity of induction responses in <i>Sinapis alba</i> L.. <i>Plant Signaling and Behavior</i> , 2008, 3, 311-313.	1.2	6
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164	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
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