Caroline MÃ¼ller

List of Publications by Year
in descending order

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200	8,121	71102 41	71685 76
papers	citations	h-index	g-index

218	218	218	8350
all docs	docs citations	times ranked	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	The R2R3-MYB transcription factor HAG1/MYB28 is a regulator of methionine-derived glucosinolate biosynthesis inArabidopsis thaliana. Plant Journal, 2007, 51, 247-261.	5.7	392
3	The transcription factor HIG1/MYB51 regulates indolic glucosinolate biosynthesis in Arabidopsis thaliana. Plant Journal, 2007, 50, 886-901.	5.7	371
4	Plant Surface Properties in Chemical Ecology. Journal of Chemical Ecology, 2005, 31, 2621-2651.	1.8	341
5	Plant chemistry and insect sequestration. Chemoecology, 2009, 19, 117-154.	1.1	336
6	HAG2/MYB76 and HAG3/MYB29 exert a specific and coordinated control on the regulation of aliphatic glucosinolate biosynthesis in Arabidopsis thaliana. New Phytologist, 2008, 177, 627-642.	7.3	283
7	Sequestration of host plant glucosinolates in the defensive hemolymph of the sawfly Athalia rosae. Journal of Chemical Ecology, 2001, 27, 2505-2516.	1.8	146
8	Interactions between the jasmonic and salicylic acid pathway modulate the plant metabolome and affect herbivores of different feeding types. Plant, Cell and Environment, 2014, 37, 1574-1585.	5.7	142
9	High specificity in plant leaf metabolic responses to arbuscular mycorrhiza. Nature Communications, 2014, 5, 3886.	12.8	125
10	Species-specific and leaf-age dependent effects of ultraviolet radiation on two Brassicaceae. Phytochemistry, 2007, 68, 875-885.	2.9	107
11	Zinc and cadmium hyperaccumulation act as deterrents towards specialist herbivores and impede the performance of a generalist herbivore. New Phytologist, 2014, 202, 628-639.	7.3	107
12	Current Challenges in Plant Eco-Metabolomics. International Journal of Molecular Sciences, 2018, 19, 1385.	4.1	106
13	Insect personality depends on environmental conditions. Behavioral Ecology, 2013, 24, 386-392.	2.2	103
14	Impacts of sublethal insecticide exposure on insects â€" Facts and knowledge gaps. Basic and Applied Ecology, 2018, 30, 1-10.	2.7	103
15	Host recognition by the tobacco hornworm is mediated by a host plant compound. Nature, 2001, 411, 186-189.	27.8	89
16	Plant invasions, generalist herbivores, and novel defense weapons. Ecology, 2011, 92, 829-835.	3.2	87
17	Optical Properties of Plant Surfaces. , 0, , 216-249.		81
18	Intraspecific plant chemical diversity and its relation to herbivory. Oecologia, 2011, 166, 175-186.	2.0	75

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19	Leaf metabolome in arbuscular mycorrhizal symbiosis. Current Opinion in Plant Biology, 2015, 26, 120-126.	7.1	72
20	Host plant derived feeding deterrence towards ants in the turnip sawfly Athalia rosae. Entomologia Experimentalis Et Applicata, 2002, 104, 153-157.	1.4	68
21	Matching plant defence syndromes with performance and preference of a specialist herbivore. Functional Ecology, 2008, 22, 1033-1043.	3.6	66
22	Drought Stress and Leaf Herbivory Affect Root Terpenoid Concentrations and Growth of Tanacetum vulgare. Journal of Chemical Ecology, 2014, 40, 1115-1125.	1.8	63
23	Uptake and turn-over of glucosinolates sequestered in the sawfly Athalia rosae. Insect Biochemistry and Molecular Biology, 2005, 35, 1189-1198.	2.7	61
24	Chemical fingerprints encode motherâ€“offspring similarity, colony membership, relatedness, and genetic quality in fur seals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5005-12.	7.1	61
25	Interactions between glucosinolate- and myrosinase-containing plants and the sawfly Athalia rosae. Phytochemistry Reviews, 2009, 8, 121-134.	6.5	60
26	Testing Predictions of the â€˜Evolution of Increased Competitive Abilityâ€™ Hypothesis for an Invasive Crucifer. Evolutionary Ecology, 2005, 19, 533-550.	1.2	57
27	Induction of plant responses by a sequestering insect: Relationship of glucosinolate concentration and myrosinase activity. Basic and Applied Ecology, 2007, 8, 13-25.	2.7	57
28	Heavy metal (hyper)accumulation in leaves of Arabidopsis halleri is accompanied by a reduced performance of herbivores and shifts in leaf glucosinolate and element concentrations. Environmental and Experimental Botany, 2017, 133, 78-86.	4.2	56
29	Aphid infestation leads to plant partâ€specific changes in phloem sap chemistry, which may indicate niche construction. New Phytologist, 2019, 221, 503-514.	7.3	56
30	Root herbivores and detritivores shape aboveâ€ground multitrophic assemblage through plantâ€mediated effects. Journal of Animal Ecology, 2010, 79, 923-931.	2.8	55
31	Development-dependent effects of UV radiation exposure on broccoli plants and interactions with herbivorous insects. Environmental and Experimental Botany, 2009, 66, 61-68.	4.2	52
32	Crosstalk between above- and belowground herbivores is mediated by minute metabolic responses of the host Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 6199-6210.	4.8	52
33	Rapid incorporation of glucosinolates as a strategy used by a herbivore to prevent activation by myrosinases. Insect Biochemistry and Molecular Biology, 2014, 52, 115-123.	2.7	52
34	Biofumigation potential of Brassicaceae cultivars to Verticillium dahliae. European Journal of Plant Pathology, 2014, 140, 341-352.	1.7	52
35	Independent evolution of ancestral and novel defenses in a genus of toxic plants (Erysimum,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	6.0	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	Plantâ€“Insect Interactions on Cuticular Surfaces. , 0, , 398-422.		51
38	Behavioural phenotypes over the lifetime of a holometabolous insect. Frontiers in Zoology, 2015, 12, S8.	2.0	51
39	Analysis of a Chemical Defense in Sawfly Larvae: Easy Bleeding Targets Predatory Wasps in Late Summer. Journal of Chemical Ecology, 2003, 29, 2683-2694.	1.8	50
40	Sequestration of Glucosinolates and Iridoid Glucosides in Sawfly Species of the Genus Athalia and Their Role in Defense Against Ants. Journal of Chemical Ecology, 2010, 36, 148-157.	1.8	49
41	Effects of glucosinolate and myrosinase levels in Brassica juncea on a glucosinolate-sequestering herbivore â€“ and vice versa. Chemoecology, 2006, 16, 191-201.	1.1	48
42	Role of plant Î²-glucosidases in the dual defense system of iridoid glycosides and their hydrolyzing enzymes in Plantago lanceolata and Plantago major. Phytochemistry, 2013, 94, 99-107.	2.9	47
43	Experimental and structural investigations of anemochorous dispersal. , 1997, 133, 169-180.		46
44	Lack of sequestration of host plant glucosinolates in Pieris rapae and P. grarricae. Chemoecology, 2003, 13, 47-54.	1.1	46
45	Revised determination of free and complexed myrosinase activities in plant extracts. Plant Physiology and Biochemistry, 2008, 46, 506-516.	5.8	46
46	The Power of Infochemicals in Mediating Individualized Niches. Trends in Ecology and Evolution, 2020, 35, 981-989.	8.7	45
47	Independent responses to ultraviolet radiation and herbivore attack in broccoli. Journal of Experimental Botany, 2009, 60, 3467-3475.	4.8	44
48	Differences in olfactory species recognition in the females of two Australian songbird species. Behavioral Ecology and Sociobiology, 2014, 68, 1819-1827.	1.4	44
49	What is an animal personality?. Biology and Philosophy, 2021, 36, 1.	1.4	44
50	Effects of Indole Glucosinolates on Performance and Sequestration by the Sawfly Athalia rosae and Consequences of Feeding on the Plant Defense System. Journal of Chemical Ecology, 2012, 38, 1366-1375.	1.8	43
51	Role of glucosinolates in plant invasiveness. Phytochemistry Reviews, 2009, 8, 227-242.	6.5	41
52	Unexpected reactions of a generalist predator towards defensive devices of cassidine larvae (Coleoptera, Chrysomelidae). Oecologia, 1999, 118, 166-172.	2.0	40
53	Mining for treatmentâ€specific and general changes in target compounds and metabolic fingerprints in response to herbivory and phytohormones inPlantago lanceolata. New Phytologist, 2011, 191, 1069-1082.	7.3	40
54	Taste detection of the non-volatile isothiocyanate moringin results in deterrence to glucosinolate-adapted insect larvae. Phytochemistry, 2015, 118, 139-148.	2.9	40

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55	Antimicrobial Activity of Exocrine Glandular Secretions, Hemolymph, and Larval Regurgitate of the Mustard Leaf BeetlePhaedon cochleariae. Journal of Invertebrate Pathology, 1998, 72, 296-303.	3.2	39
56	Chemical defence in a sawfly: genetic components of variation in relevant life-history traits. Heredity, 2003, 90, 468-475.	2.6	39
57	Leaf surface wax layers of Brassicaceae lack feeding stimulants for Phaedon cochleariae. Entomologia Experimentalis Et Applicata, 2005, 115, 41-50.	1.4	39
58	Decomposers and root feeders interactively affect plant defence in Sinapis alba. Oecologia, 2009, 160, 289-298.	2.0	39
59	High chemical diversity of a plant species is accompanied by increased chemical defence in invasive populations. Biological Invasions, 2011, 13, 2091-2102.	2.4	39
60	UV-B impact on aphid performance mediated by plant quality and plant changes induced by aphids. Plant Biology, 2009, 12, 676-84.	3.8	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. Molecular Plant-Microbe Interactions, 2014, 27, 1403-1412.	2.6	38
62	Metal hyperaccumulation in Brassicaceae mediates defense against herbivores in the field and improves growth. Entomologia Experimentalis Et Applicata, 2015, 157, 3-10.	1.4	37
63	Sublethal insecticide exposure affects reproduction, chemical phenotype as well as offspring development and antennae symmetry of a leaf beetle. Environmental Pollution, 2017, 230, 709-717.	7.5	37
64	Understanding the evolution of personality requires the study of mechanisms behind the development and life history of personality traits. Biology Letters, 2018, 14, .	2.3	37
65	Transcriptional Reprogramming of Arabidopsis thaliana Defence Pathways by the Entomopathogen Beauveria bassiana Correlates With Resistance Against a Fungal Pathogen but Not Against Insects. Frontiers in Microbiology, 2019, 10, 615.	3.5	37
66	The effect of a green leaf volatile on host plant finding by larvae of a herbivorous insect. Die Naturwissenschaften, 2000, 87, 216-219.	1.6	36
67	Salicylic acidâ€dependent and â€independent impact of an <scp>RNA</scp>â€binding protein on plant immunity. Plant, Cell and Environment, 2014, 37, 696-706.	5.7	36
68	Trichoderma atroviride LU132 promotes plant growth but not induced systemic resistance to Plutella xylostella in oilseed rape. BioControl, 2014, 59, 241-252.	2.0	36
69	Desulfation Followed by Sulfation: Metabolism of Benzylglucosinolate in Athalia rosae (Hymenoptera: Tenthredinidae). ChemBioChem, 2011, 12, 1252-1257.	2.6	35
70	A common pathway for metabolism of 4-hydroxybenzylglucosinolate in Pieris and Anthocaris (Lepidoptera: Pieridae). Biochemical Systematics and Ecology, 2006, 34, 189-198.	1.3	34
71	Specificity of Induction Responses in Sinapis alba L. and Their Effects on a Specialist Herbivore. Journal of Chemical Ecology, 2007, 33, 1582-1597.	1.8	34
72	Olfactory versus Contact Cues in Host Plant Recognition of a Monophagous Chrysomelid Beetle. Journal of Insect Behavior, 2007, 20, 247-266.	0.7	34

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73	Combined impacts of prolonged drought and warming on plant size and foliar chemistry. Annals of Botany, 2019, 124, 41-52.	2.9	34
74	Effects of larval versus adult density conditions on reproduction and behavior of a leaf beetle. Behavioral Ecology and Sociobiology, 2016, 70, 2081-2091.	1.4	33
75	Adult beetles compensate for poor larval food conditions. Journal of Insect Physiology, 2016, 88, 24-32.	2.0	33
76	Chemosensory and behavioural responses of the turnip sawfly, Athalia rosae, to glucosinolates and isothiocyanates. Chemoecology, 2006, 16, 209-218.	1.1	32
77	Proposal for field sampling of plants and processing in the lab for environmental metabolic fingerprinting. Plant Methods, 2010, 6, 6.	4.3	32
78	Genetic and chemical variation of Tanacetum vulgare in plants of native and invasive origin. Biological Control, 2012, 61, 240-245.	3.0	32
79	Is there a trade-off between glucosinolate-based organic and inorganic defences in a metal hyperaccumulator in the field?. Oecologia, 2015, 178, 369-378.	2.0	32
80	Both heavy metal-amendment of soil and aphid-infestation increase Cd and Zn concentrations in phloem exudates of a metal-hyperaccumulating plant. Phytochemistry, 2017, 139, 109-117.	2.9	32
81	Effects of intraspecific and intra-individual differences in plant quality on preference and performance of monophagous aphid species. Oecologia, 2018, 186, 173-184.	2.0	32
82	Folivory versus florivoryâ€”adaptiveness of flower feeding. Die Naturwissenschaften, 2010, 97, 79-88.	1.6	31
83	Influence of arbuscular mycorrhizal stage and plant age on the performance of a generalist aphid. Journal of Insect Physiology, 2017, 98, 258-266.	2.0	30
84	Photochemically Driven Biocatalysis of Halogenases for the Green Production of Chlorinated Compounds. ChemCatChem, 2018, 10, 3336-3341.	3.7	30
85	Defence effectiveness of easy bleeding sawfly larvae towards invertebrate and avian predators. Chemoecology, 2005, 15, 51-58.	1.1	29
86	Transcriptional responses to shortâ€term and longâ€term host plant experience and parasite load in an oligophagous beetle. Molecular Ecology, 2017, 26, 6370-6383.	3.9	28
87	Impacts of Ultraviolet Radiation on Interactions Between Plants and Herbivorous Insects: A Chemo-Ecological Perspective. Progress in Botany Fortschritte Der Botanik, 2010, , 305-347.	0.3	26
88	Relevance of visual and olfactory cues for host location in the mustard leaf beetle Phaedon cochleariae. Physiological Entomology, 2011, 36, 68-76.	1.5	26
89	The consequences of alternating diet on performance and food preferences of a specialist leaf beetle. Journal of Insect Physiology, 2013, 59, 840-847.	2.0	26
90	Wheat growth, applied water use efficiency and flag leaf metabolome under continuous and pulsed deficit irrigation. Scientific Reports, 2020, 10, 10112.	3.3	26

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91	Title is missing!. Journal of Insect Behavior, 2001, 14, 739-757.	0.7	25
92	Responses of an oligophagous beetle species to rearing for several generations on alternative host-plant species. Ecological Entomology, 2011, 36, 125-134.	2.2	25
93	Plant-mediated interactions between shoot-feeding aphids and root-feeding nematodes depend on nitrate fertilization. Oecologia, 2013, 173, 1367-1377.	2.0	25
94	Differences in shoot and root terpenoid profiles and plant responses to fertilisation in Tanacetum vulgare. Phytochemistry, 2013, 96, 123-131.	2.9	25
95	Variation in plant defences among populations of a rangeâ€expanding plant: consequences for trophic interactions. New Phytologist, 2014, 204, 989-999.	7.3	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.	4.0	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.	1.4	24
98	New perspectives in behavioural development: adaptive shaping of behaviour over a lifetime?. Frontiers in Zoology, 2015, 12, S1.	2.0	24
99	Novelty at second glance: a critical appraisal of the novel object paradigm based on meta-analysis. Animal Behaviour, 2021, 180, 123-142.	1.9	24
100	The use of general foraging kairomones in a generalist parasitoid. Oikos, 2001, 95, 78-86.	2.7	23
101	Effectiveness of the defence mechanism of the turnip sawfly, Athalia rosae (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.0	23
102	Protein synthesis-dependent long-term memory induced by one single associative training trial in the parasitic wasp Lariophagus distinguendus. Learning and Memory, 2006, 13, 263-266.	1.3	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.	1.8	23
104	Flower Production, Headspace Volatiles, Pollen Nutrients, and Florivory in Tanacetum vulgare Chemotypes. Frontiers in Plant Science, 2020, 11, 611877.	3.6	23
105	Chemical phenotype as important and dynamic niche dimension of plants. New Phytologist, 2022, 234, 1168-1174.	7.3	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.	4.3	22
107	Variation in flavonoid pattern in leaves and flowers of Primula veris of different origin and impact of UV-B. Biochemical Systematics and Ecology, 2014, 53, 81-88.	1.3	21
108	Metal hyperaccumulation in the Brassicaceae species Arabidopsis halleri reduces camalexin induction after fungal pathogen attack. Environmental and Experimental Botany, 2018, 153, 120-126.	4.2	21

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109	Parental sublethal insecticide exposure prolongs mating response and decreases reproductive output in offspring. Journal of Applied Ecology, 2019, 56, 1528-1537.	4.0	21
110	Effects of drought and mycorrhiza on wheat and aphid infestation. Ecology and Evolution, 2020, 10, 10481-10491.	1.9	21
111	Associative learning and memory duration in the parasitic wasp Lariophagus distinguendus. Animal Biology, 2006, 56, 221-232.	1.0	20
112	Differing acceptance of familiar and unfamiliar plant species by an oligophagous beetle. Entomologia Experimentalis Et Applicata, 2009, 131, 189-199.	1.4	20
113	Consequences of mating with siblings and nonsiblings on the reproductive success in a leaf beetle. Ecology and Evolution, 2016, 6, 3185-3197.	1.9	20
114	Sublethal insecticide exposure of an herbivore alters the response of its predator. Environmental Pollution, 2019, 247, 39-45.	7.5	20
115	Volatile, stored and phloem exudate-located compounds represent different appearance levels affecting aphid niche choice. Phytochemistry, 2019, 159, 1-10.	2.9	20
116	Host Shifts from Lamiales to Brassicaceae in the Sawfly Genus Athalia. PLoS ONE, 2012, 7, e33649.	2.5	20
117	Glucosinolate turnover in Brassicales species to an oxazolidin-2-one, formed via the 2-thione and without formation of thioamide. Phytochemistry, 2018, 153, 79-93.	2.9	19
118	Different herbivore responses to two co-occurring chemotypes of the wild crucifer Barbarea vulgaris. Arthropod-Plant Interactions, 2019, 13, 19-30.	1.1	19
119	Different oviposition behaviour in Chrysomelid beetles: Characterisation of the interface between oviposition secretion and the plant surface. Arthropod Structure and Development, 2006, 35, 197-205.	1.4	18
120	Long- and medium-term effects of aridity on the chemical defence of a widespread Brassicaceae in the Mediterranean. Environmental and Experimental Botany, 2014, 105, 39-45.	4.2	18
121	Phenotype of a leaf beetle larva depends on host plant quality and previous test experience. Behavioural Processes, 2017, 142, 40-45.	1.1	18
122	The Role of the Glucosinolate-Myrosinase System in Mediating Greater Resistance of Barbarea verna than B. vulgaris to Mamestra brassicae Larvae. Journal of Chemical Ecology, 2018, 44, 1190-1205.	1.8	18
123	Multiple feeding stimulants in Sinapis alba for the oligophagous leaf beetle Phaedon cochleariae. Chemoecology, 2008, 18, 19-27.	1.1	17
124	Larval food composition affects courtship song and sperm expenditure in a lekking moth. Ecological Entomology, 2015, 40, 34-41.	2.2	17
125	Inbreeding diminishes herbivoreâ€induced metabolic responses in native and invasive plant populations. Journal of Ecology, 2019, 107, 923-936.	4.0	17
126	Oilseed rape seeds with ablated defence cells of the glucosinolateâ€“myrosinase system. Production and characteristics of double haploid MINELESS plants of Brassica napus L.. Journal of Experimental Botany, 2011, 62, 4975-4993.	4.8	16

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127	Diet dependent experience and physiological state shape the behavior of a generalist herbivore. Physiology and Behavior, 2014, 129, 95-103.	2.1	16
128	Effects of Root Herbivory by Nematodes on the Performance and Preference of a Leaf-Infesting Generalist Aphid Depend on Nitrate Fertilization. Journal of Chemical Ecology, 2014, 40, 118-127.	1.8	16
129	Choice behaviour and performance of Cassida stigmatica on various chemotypes of Tanacetum vulgare and implications for biocontrol. Entomologia Experimentalis Et Applicata, 2012, 144, 78-85.	1.4	15
130	Impact of defoliation on the regrowth capacity and the shoot metabolite profile of Plantago lanceolata L.. Plant Physiology and Biochemistry, 2013, 71, 325-333.	5.8	15
131	Derivatization of isothiocyanates and their reactive adducts for chromatographic analysis. Phytochemistry, 2015, 118, 109-115.	2.9	15
132	The effects of mineral nitrogen limitation, competition, arbuscular mycorrhiza, and their respective interactions, on morphological and chemical plant traits of Plantago lanceolata. Phytochemistry, 2015, 118, 149-161.	2.9	15
133	Influences of blackberry margins on population dynamics of Drosophila suzukii and grape infestation in adjacent vineyards. Journal of Applied Entomology, 2019, 143, 802-812.	1.8	15
134	Ecology and Evolution of Intraspecific Chemodiversity of Plants. Research Ideas and Outcomes, 0, 6, .	1.0	15
135	Host plant effects on the behavioural phenotype of a <scp>C</scp>hrysomelid. Ecological Entomology, 2017, 42, 336-344.	2.2	14
136	Early-Mid Pleistocene genetic differentiation and range expansions as exemplified by invasive Eurasian Bunias orientalis (Brassicaceae) indicates the Caucasus as key region. Scientific Reports, 2017, 7, 16764.	3.3	14
137	Elevational differentiation in metabolic cold stress responses of an endemic mountain tree. Environmental and Experimental Botany, 2020, 171, 103918.	4.2	14
138	Insights into Metabolic Changes Caused by the Trichoderma virensâ€“Maize Root Interaction. Molecular Plant-Microbe Interactions, 2021, 34, 524-537.	2.6	14
139	Plant-mediated indirect effects of climate change on an insect herbivore. Basic and Applied Ecology, 2021, 53, 100-113.	2.7	14
140	Variation in the effectiveness of abdominal shields of cassidine larvae against predators. Entomologia Experimentalis Et Applicata, 2002, 102, 191-198.	1.4	13
141	Larval performance of the mustard leaf beetle (Phaedon cochleariae, Coleoptera, Chrysomelidae) on white mustard (Sinapis alba) and watercress (Nasturtium officinale) leaves in dependence of plant exposure to ultraviolet radiation. Environmental Pollution, 2009, 157, 2053-2060.	7.5	13
142	Chemical Defenses (Glucosinolates) of Native and Invasive Populations of the Range Expanding Invasive Plant Rorippa austriaca. Journal of Chemical Ecology, 2014, 40, 363-370.	1.8	13
143	Suppression of Verticillium dahliae by glucosinolate-containing seed meal amendments. European Journal of Plant Pathology, 2015, 142, 239-249.	1.7	13
144	Effects of continuous versus pulsed drought stress on physiology and growth of wheat. Plant Biology, 2018, 20, 1005-1013.	3.8	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. Science of the Total Environment, 2021, 760, 143381.	8.0	13
146	Syndromes in suites of correlated traits suggest multiple mechanisms facilitating invasion in a plant range-expander. NeoBiota, 0, 37, 1-22.	1.0	13
147	Novel glucosinolate metabolism in larvae of the leaf beetle Phaedon cochleariae. Insect Biochemistry and Molecular Biology, 2020, 124, 103431.	2.7	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€Β radiation: a reciprocal multispecies experiment. Ecology, 2019, 100, e02665.	3.2	11
151	Different phagostimulants in potato foliage for Manduca sexta and Leptinotarsa decemlineata. Chemoecology, 2001, 11, 37-41.	1.1	10
152	Phytochemistry reviewsâ€"special issue on glucosinolates. Phytochemistry Reviews, 2009, 8, 1-2.	6.5	9
153	Impact of the dual defence system of Plantago lanceolata (Plantaginaceae) on performance, nutrient utilisation and feeding choice behaviour of Amata mogadorensis larvae (Lepidoptera, Erebidae). Journal of Insect Physiology, 2015, 82, 99-108.	2.0	9
154	Differential roles of glucosinolates and camalexin at different stages of Agrobacteriumâ€•mediated transformation. Molecular Plant Pathology, 2018, 19, 1956-1970.	4.2	9
155	From plants to herbivores: novel insights into the ecological and evolutionary consequences of plant variation. Oecologia, 2018, 187, 357-360.	2.0	9
156	Twoâ€‘tier morphoâ€‘chemical defence tactic in Aethionema via fruit morph plasticity and glucosinolates allocation in diaspores. Plant, Cell and Environment, 2019, 42, 1381-1392.	5.7	9
157	Inbreeding in a dioecious plant has sex- and population origin-specific effects on its interactions with pollinators. ELife, 2021, 10, .	6.0	9
158	Host plant derived feeding deterrence towards ants in the turnip sawfly Athalia rosae. , 2002, , 153-157.		9
159	Uncovering different parameters influencing florivory in a specialist herbivore. Ecological Entomology, 2015, 40, 258-268.	2.2	8
160	Short-term drought and long-term climate legacy affect production of chemical defenses among plant ecotypes. Environmental and Experimental Botany, 2017, 141, 124-131.	4.2	8
161	Interactions of Bunias orientalis plant chemotypes and fungal pathogens with different host specificity in vivo and in vitro. Scientific Reports, 2020, 10, 10750.	3.3	8
162	Highly Species-Specific Foliar Metabolomes of Diverse Woody Species and Relationships with the Leaf Economics Spectrum. Cells, 2021, 10, 644.	4.1	8

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163	Pre-dispersal seed predators boost seed production in a short-lived plant. Oecologia, 2021, 195, 971-982.	2.0	8
164	Drought and Subsequent Soil Flooding Affect the Growth and Metabolism of Savoy Cabbage. International Journal of Molecular Sciences, 2021, 22, 13307.	4.1	8
165	Metabolic Changes during Storage of Brassica napus Seeds under Moist Conditions and the Consequences for the Sensory Quality of the Resulting Virgin Oil. Journal of Agricultural and Food Chemistry, 2017, 65, 11073-11084.	5.2	7
166	Impact of drought on plant populations of native and invasive origins. Oecologia, 2017, 183, 9-20.	2.0	7
167	Early life starvation has stronger intra-generational than transgenerational effects on key life-history traits and consumption measures in a sawfly. PLoS ONE, 2019, 14, e0226519.	2.5	7
168	Survival of the Sawfly Athalia rosae Upon Infection by an Entomopathogenic Fungus and in Relation to Clerodanoid Uptake. Frontiers in Physiology, 2021, 12, 637617.	2.8	7
169	Phylogeography of two parthenogenetic sawfly species (Hymenoptera: Tenthredinidae): relationship of population genetic differentiation to host plant distribution. Biological Journal of the Linnean Society, 2004, 83, 219-227.	1.6	6
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