Nicole M Van Dam

List of Publications by Year
in descending order

189 papers	12,212 citations	25034 57 h-index	31849 101 g-index
198 all docs	198 docs citations	198 times ranked	10064 citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Glucosinolates in Insect-Plant Relationships and Multitrophic Interactions. Annual Review of Entomology, 2009, 54, 57-83.	11.8	771
2	Recognizing Plant Defense Priming. Trends in Plant Science, 2016, 21, 818-822.	8.8	549
3	Linking aboveground and belowground interactions via induced plant defenses. Trends in Ecology and Evolution, 2005, 20, 617-624.	8.7	504
4	Metabolomics in the Rhizosphere: Tapping into Belowground Chemical Communication. Trends in Plant Science, 2016, 21, 256-265.	8.8	470
5	How plants handle multiple stresses: hormonal interactions underlying responses to abiotic stress and insect herbivory. Plant Molecular Biology, 2016, 91, 727-740.	3.9	299
6	Ontogeny constrains systemic protease inhibitor response in Nicotiana attenuata. Journal of Chemical Ecology, 2001, 27, 547-568.	1.8	236
7	The Impact of the Absence of Aliphatic Glucosinolates on Insect Herbivory in Arabidopsis. PLoS ONE, 2008, 3, e2068.	2.5	223
8	Interactions between above- and belowground insect herbivores as mediated by the plant defense system. Oikos, 2003, 101, 555-562.	2.7	199
9	Soil community composition drives aboveground plant-herbivore-parasitoid interactions. Ecology Letters, 2005, 8, 652-661.	6.4	198
10	GENETIC VARIATION IN DEFENSE CHEMISTRY IN WILD CABBAGES AFFECTS HERBIVORES AND THEIR ENDOPARASITOIDS. Ecology, 2008, 89, 1616-1626.	3.2	193
11	Multitrophic interactions below and above ground: <i>en route</i> to the next level. Journal of Ecology, 2011, 99, 77-88.	4.0	191
12	Belowground Herbivory and Plant Defenses. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 373-391.	8.3	183
13	Interactions over four trophic levels: foodplant quality affects development of a hyperparasitoid as mediated through a herbivore and its primary parasitoid. Journal of Animal Ecology, 2003, 72, 520-531.	2.8	181
14	Interactions between aboveground and belowground induction of glucosinolates in two wild Brassica species. New Phytologist, 2004, 161, 801-810.	7.3	180
15	Root and shoot glucosinolates: a comparison of their diversity, function and interactions in natural and managed ecosystems. Phytochemistry Reviews, 2009, 8, 171-186.	6.5	180
16	Reduction of rare soil microbes modifies plantâ€“herbivore interactions. Ecology Letters, 2010, 13, 292-301.	6.4	176
17	Performance of Generalist and Specialist Herbivores and their Endoparasitoids Differs on Cultivated and Wild Brassica Populations. Journal of Chemical Ecology, 2008, 34, 132-143.	1.8	169
18	Root herbivores influence the behaviour of an aboveground parasitoid through changes in plant-volatile signals. Oikos, 2007, 116, 367-376.	2.7	157

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19	Rewiring of the jasmonate signaling pathway in Arabidopsis during insect herbivory. Frontiers in Plant Science, 2011, 2, 47.	3.6	155
20	The â€œRaison D'Ãªtreâ€•of pyrrolizidine alkaloids inCynoglossum officinale: Deterrent effects against generalist herbivores. Journal of Chemical Ecology, 1995, 21, 507-523.	1.8	151
21	Interactions between aboveground and belowground induced responses against phytophages. Basic and Applied Ecology, 2003, 4, 63-77.	2.7	147
22	Metabolomics: the chemistry between ecology and genetics. Molecular Ecology Resources, 2010, 10, 583-593.	4.8	136
23	Metabolomic analysis of the interaction between plants and herbivores. Metabolomics, 2009, 5, 150-161.	3.0	135
24	Root herbivory reduces growth and survival of the shoot feeding specialist Pieris rapae on Brassica nigra. Entomologia Experimentalis Et Applicata, 2005, 115, 161-170.	1.4	129
25	ECOLOGICAL COSTS AND BENEFITS CORRELATED WITH TRYPSIN PROTEASE INHIBITOR PRODUCTION IN NICOTIANA ATTENUATA. Ecology, 2003, 84, 79-90.	3.2	125
26	Above- and Below-Ground Terpenoid Aldehyde Induction in Cotton, Gossypium herbaceum, Following Root and Leaf Injury. Journal of Chemical Ecology, 2004, 30, 53-67.	1.8	121
27	Chemical diversity in <i>Brassica oleracea</i> affects biodiversity of insect herbivores. Ecology, 2009, 90, 1863-1877.	3.2	120
28	Birds exploit herbivoreâ€•induced plant volatiles to locate herbivorous prey. Ecology Letters, 2013, 16, 1348-1355.	6.4	114
29	Costs of jasmonate-induced responses in plants competing for limited resources. Ecology Letters, 1998, 1, 30-33.	6.4	110
30	Competition mediates costs of jasmonate-induced defences, nitrogen acquisition and transgenerational plasticity in Nicotiana attenuata. Functional Ecology, 2001, 15, 406-415.	3.6	107
31	Current Challenges in Plant Eco-Metabolomics. International Journal of Molecular Sciences, 2018, 19, 1385.	4.1	106
32	Performance of specialist and generalist herbivores feeding on cabbage cultivars is not explained by glucosinolate profiles. Entomologia Experimentalis Et Applicata, 2008, 127, 218-228.	1.4	103
33	Covariation and phenotypic integration in chemical communication displays: biosynthetic constraints and ecoâ€•evolutionary implications. New Phytologist, 2018, 220, 739-749.	7.3	101
34	A multitrophic perspective on biodiversityâ€“ecosystem functioning research. Advances in Ecological Research, 2019, 61, 1-54.	2.7	95
35	Herbivoreâ€•induced plant responses in <i>Brassica oleracea</i> prevail over effects of constitutive resistance and result in enhanced herbivore attack. Ecological Entomology, 2010, 35, 240-247.	2.2	91
36	Local and systemic induced responses to cabbage root fly larvae (Delia radicum) in Brassica nigra and B. oleracea. Chemoecology, 2006, 16, 17-24.	1.1	88

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37	Eyes on the future â€“ evidence for tradeâ€offs between growth, storage and defense in Norway spruce. New Phytologist, 2019, 222, 144-158.	7.3	88
38	Field parasitism rates of caterpillars on <i>Brassica oleracea </i>plants are reliably predicted by differential attraction of <i>Cotesia</i> parasitoids. Functional Ecology, 2009, 23, 951-962.	3.6	87
39	Plasmids from the gut microbiome of cabbage root fly larvae encode <scp>SaxA</scp> that catalyses the conversion of the plant toxin 2â€phenylethyl isothiocyanate. Environmental Microbiology, 2016, 18, 1379-1390.	3.8	83
40	Glucosinolates and other metabolites in the leaves of Arabidopsis thaliana from natural populations and their effects on a generalist and a specialist herbivore. Chemoecology, 2008, 18, 65-71.	1.1	82
41	Novel chemistry of invasive plants: exotic species have more unique metabolomic profiles than native congeners. Ecology and Evolution, 2014, 4, 2777-2786.	1.9	82
42	Root and shoot jasmonic acid applications differentially affect leaf chemistry and herbivore growth. Plant Signaling and Behavior, 2008, 3, 91-98.	2.4	80
43	Genetic variation in constitutive and inducible pyrrolizidine alkaloid levels inCynoglossum officinale L.. Oecologia, 1994, 99, 374-378.	2.0	78
44	Differences in distribution and performance of two sap-sucking herbivores on glandular and non-glandular Datura wrightii. Ecological Entomology, 1998, 23, 22-32.	2.2	78
45	Triâ€trophic interactions: bridging species, communities and ecosystems. Ecology Letters, 2019, 22, 2151-2167.	6.4	77
46	Jasmonic Acid-Induced Changes in Brassica oleracea Affect Oviposition Preference of Two Specialist Herbivores. Journal of Chemical Ecology, 2007, 33, 655-668.	1.8	74
47	Plant systemic induced responses mediate interactions between root parasitic nematodes and aboveground herbivorous insects. Frontiers in Plant Science, 2013, 4, 87.	3.6	73
48	Differences in Volatile Profiles of Turnip Plants Subjected to Single and Dual Herbivory Above- and Belowground. Journal of Chemical Ecology, 2011, 37, 368-77.	1.8	72
49	The simultaneous inducibility of phytochemicals related to plant direct and indirect defences against herbivores is stronger at low elevation. Journal of Ecology, 2016, 104, 1116-1125.	4.0	72
50	How plants cope with biotic interactions. Plant Biology, 2009, 11, 1-5.	3.8	71
51	COST OF GLANDULAR TRICHOMES, A â€œRESISTANCEâ€• CHARACTER IN <i>DATURA WRIGHTII</i> REGEL (SOLANACEAE). Evolution; International Journal of Organic Evolution, 1999, 53, 22-35.	2.3	70
52	Effects of dietary nicotine on the development of an insect herbivore, its parasitoid and secondary hyperparasitoid over four trophic levels. Ecological Entomology, 2007, 32, 15-23.	2.2	68
53	Are population differences in plant quality reflected in the preference and performance of two endoparasitoid wasps?. Oikos, 2009, 118, 733-742.	2.7	68
54	Barbarea vulgaris Glucosinolate Phenotypes Differentially Affect Performance and Preference of Two Different Species of Lepidopteran Herbivores. Journal of Chemical Ecology, 2008, 34, 121-131.	1.8	65

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55	Root chemical traits and their roles in belowground biotic interactions. Pedobiologia, 2017, 65, 58-67.	1.2	65
56	Plants Know Where It Hurts: Root and Shoot Jasmonic Acid Induction Elicit Differential Responses in Brassica oleracea. PLoS ONE, 2013, 8, e65502.	2.5	63
57	Effective Biodiversity Monitoring Needs a Culture of Integration. One Earth, 2020, 3, 462-474.	6.8	62
58	Extreme differences in pyrrolizidine alkaloid levels between leaves of Cynoglossum officinale. Phytochemistry, 1994, 37, 1013-1016.	2.9	61
59	Folivory Affects Composition of Nectar, Floral Odor and Modifies Pollinator Behavior. Journal of Chemical Ecology, 2014, 40, 39-49.	1.8	61
60	Cost of Glandular Trichomes, A "Resistance" Character in Datura wrightii Regel (Solanaceae). Evolution; International Journal of Organic Evolution, 1999, 53, 22.	2.3	60
61	A heritable glucosinolate polymorphism within natural populations of Barbarea vulgaris. Phytochemistry, 2006, 67, 1214-1223.	2.9	60
62	Anti-sense expression of putrescine N-methyltransferase confirms defensive role of nicotine in Nicotiana sylvestris against Manduca sexta. Chemoecology, 2001, 11, 121-126.	1.1	59
63	Drought and flooding have distinct effects on herbivoreâ€induced responses and resistance in <i>Solanum dulcamara</i>. Plant, Cell and Environment, 2016, 39, 1485-1499.	5.7	59
64	Distribution, biosynthesis and turnover of pyrrolizidine alkaloids in. Phytochemistry, 1995, 39, 287-292.	2.9	58
65	Intraspecific Variation in Plant Defense Alters Effects of Root Herbivores on Leaf Chemistry and Aboveground Herbivore Damage. Journal of Chemical Ecology, 2008, 34, 1360-1367.	1.8	58
66	Why plant volatile analysis needs bioinformatics â€“ detecting signal from noise in increasingly complex profiles. Plant Biology, 2008, 10, 29-37.	3.8	56
67	Biological Activity of Datura wrightii Glandular Trichome Exudate Against Manduca Sexta Larvae. Journal of Chemical Ecology, 1998, 24, 1529-1549.	1.8	55
68	Identification of Biologically Relevant Compounds in Aboveground and Belowground Induced Volatile Blends. Journal of Chemical Ecology, 2010, 36, 1006-1016.	1.8	55
69	Tri-trophic effects of inter- and intra-population variation in defence chemistry of wild cabbage (Brassica oleracea). Oecologia, 2011, 166, 421-431.	2.0	55
70	On-line detection of root-induced volatiles in Brassica nigra plants infested with Delia radicum L. root fly larvae. Phytochemistry, 2012, 84, 68-77.	2.9	55
71	Alien interference: disruption of infochemical networks by invasive insect herbivores. Plant, Cell and Environment, 2014, 37, 1854-1865.	5.7	55
72	Optimal Level of Chemical Defense Decreasing with Leaf Age. Theoretical Population Biology, 1996, 50, 124-148.	1.1	53

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73	Inheritance and distribution of trichome phenotypes in Datura wrightii. , 1999, 90, 220-227.		53
74	Temporal changes affect plant chemistry and tritrophic interactions. Basic and Applied Ecology, 2007, 8, 421-433.	2.7	52
75	Induced plant defences in biological control of arthropod pests: a doubleâ€edged sword. Pest Management Science, 2017, 73, 1780-1788.	3.4	52
76	A Straightforward Method for Glucosinolate Extraction and Analysis with High-pressure Liquid Chromatography (HPLC). Journal of Visualized Experiments, 2017, , .	0.3	52
77	Growing Research Networks on Mycorrhizae for Mutual Benefits. Trends in Plant Science, 2018, 23, 975-984.	8.8	51
78	Instar-specific sensitivity of specialist Manduca sexta larvae to induced defences in their host plant Nicotiana attenuata. Ecological Entomology, 2001, 26, 578-586.	2.2	50
79	COSTS OF GLANDULAR TRICHOMES IN DATURA WRIGHTII: A THREE-YEAR STUDY. Evolution; International Journal of Organic Evolution, 2003, 57, 793-805.	2.3	50
80	Tracing Hidden Herbivores: Time-Resolved Non-Invasive Analysis of Belowground Volatiles by Proton-Transfer-Reaction Mass Spectrometry (PTR-MS). Journal of Chemical Ecology, 2012, 38, 785-794.	1.8	50
81	Herbivoreâ€induced plant volatiles accurately predict history of coexistence, diet breadth, and feeding mode of herbivores. New Phytologist, 2018, 220, 726-738.	7.3	50
82	Virus infection decreases the attractiveness of white clover plants for a non-vectoring herbivore. Oecologia, 2012, 170, 433-444.	2.0	45
83	Storage of carbon reserves in spruce trees is prioritized over growth in the face of carbon limitation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	45
84	Temporal dynamics of herbivore-induced responses in Brassica juncea and their effect on generalist and specialist herbivores. Entomologia Experimentalis Et Applicata, 2011, 139, 215-225.	1.4	42
85	DELLA proteins modulate<i>Arabidopsis</i>defences induced in response to caterpillar herbivory. Journal of Experimental Botany, 2014, 65, 571-583.	4.8	42
86	Aboveground and Belowground Herbivores Synergistically Induce Volatile Organic Sulfur Compound Emissions from Shoots but Not from Roots. Journal of Chemical Ecology, 2015, 41, 631-640.	1.8	42
87	Ultraviolet radiation exposure time and intensity modulate tomato resistance to herbivory through activation of jasmonic acid signaling. Journal of Experimental Botany, 2019, 70, 315-327.	4.8	41
88	Induced responses in three alkaloid-containing plant species. Oecologia, 1993, 95, 425-430.	2.0	40
89	Intra-specific Differences in Root and Shoot Glucosinolate Profiles among White Cabbage (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlo	5.2	40
90	The significance of tree-tree interactions for forest ecosystem functioning. Basic and Applied Ecology, 2021, 55, 33-52.	2.7	38

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91	Real-time analysis of sulfur-containing volatiles in Brassica plants infested with root-feeding Delia radicum larvae using proton-transfer reaction mass spectrometry. AoB PLANTS, 2012, 2012, pls021.	2.3	37
92	Broccoli and turnip plants display contrasting responses to belowground induction by Delia radicum infestation and phytohormone applications. Phytochemistry, 2012, 73, 42-50.	2.9	37
93	Mechanisms and ecological implications of plantâ€mediated interactions between belowground and aboveground insect herbivores. Ecological Research, 2017, 32, 13-26.	1.5	37
94	Isolation and identification of 4-Î±-rhamnosyloxy benzyl glucosinolate in Noccaea caerulescens showing intraspecific variation. Phytochemistry, 2015, 110, 166-171.	2.9	36
95	Root and shoot glucosinolate allocation patterns follow optimal defence allocation theory. Journal of Ecology, 2017, 105, 1256-1266.	4.0	35
96	Metabolomics of Thrips Resistance in Pepper (Capsicum spp.) Reveals Monomer and Dimer Acyclic Diterpene Glycosides as Potential Chemical Defenses. Journal of Chemical Ecology, 2019, 45, 490-501.	1.8	35
97	Reciprocal interactions between the cabbage root fly (<i>DeliaÂradicum</i>) and two glucosinolate phenotypes of <i>BarbareaÂvulgaris</i>. Entomologia Experimentalis Et Applicata, 2008, 128, 312-322.	1.4	33
98	Plant species richness elicits changes in the metabolome of grassland species via soil biotic legacy. Journal of Ecology, 2019, 107, 2240-2254.	4.0	33
99	Characterizing Volatiles and Attractiveness of Five Brassicaceous Plants with Potential for a â€˜Push-Pullâ€™ Strategy Toward the Cabbage Root Fly, Delia radicum. Journal of Chemical Ecology, 2015, 41, 330-339.	1.8	32
100	Negative impact of drought stress on a generalist leaf chewer and a phloem feeder is associated with, but not explained by an increase in herbivore-induced indole glucosinolates. Environmental and Experimental Botany, 2016, 123, 88-97.	4.2	31
101	New Perspectives on CO₂, Temperature, and Light Effects on BVOC Emissions Using Online Measurements by PTR-MS and Cavity Ring-Down Spectroscopy. Environmental Science & Technology, 2018, 52, 13811-13823.	10.0	31
102	How does global change affect the strength of trophic interactions?. Basic and Applied Ecology, 2004, 5, 505-514.	2.7	30
103	Combined effects of patch size and plant nutritional quality on local densities of insect herbivores. Basic and Applied Ecology, 2010, 11, 396-405.	2.7	30
104	Consequences of combined herbivore feeding and pathogen infection for fitness of Barbarea vulgaris plants. Oecologia, 2014, 175, 589-600.	2.0	30
105	Calling in the Dark: The Role of Volatiles for Communication in the Rhizosphere. Signaling and Communication in Plants, 2016, , 175-210.	0.7	30
106	Nonlinear effects of plant root and shoot jasmonic acid application on the performance of <i>Pieris brassicae</i> and its parasitoid <i>Cotesia glomerata</i>. Functional Ecology, 2009, 23, 496-505.	3.6	29
107	Glucosinolate profiling of Brassica rapa cultivars after infection by Leptosphaeria maculans and Fusarium oxysporum. Biochemical Systematics and Ecology, 2010, 38, 612-620.	1.3	29
108	The importance of abovegroundâ€“belowground interactions on the evolution and maintenance of variation in plant defense traits. Frontiers in Plant Science, 2013, 4, 431.	3.6	29

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109	How does plant chemical diversity contribute to biodiversity at higher trophic levels?. Current Opinion in Insect Science, 2016, 14, 46-55.	4.4	28
110	Seasonal and herbivore-induced dynamics of foliar glucosinolates in wild cabbage (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	1.1	28
111	Light Intensity-Mediated Induction of Trichome-Associated Allelochemicals Increases Resistance Against Thrips in Tomato. Plant and Cell Physiology, 2018, 59, 2462-2475.	3.1	27
112	Thrips Resistance Screening Is Coming of Age: Leaf Position and Ontogeny Are Important Determinants of Leaf-Based Resistance in Pepper. Frontiers in Plant Science, 2019, 10, 510.	3.6	27
113	Locally and systemically induced glucosinolates follow optimal defence allocation theory upon root herbivory. Functional Ecology, 2018, 32, 2127-2137.	3.6	26
114	Aboveground herbivory affects indirect defences of brassicaceous plants against the root feeder Delia radicum Linnaeus: laboratory and field evidence. Ecological Entomology, 2011, 36, 326-334.	2.2	25
115	Dealing with double trouble: consequences of single and double herbivory in Brassica juncea. Chemoecology, 2013, 23, 71-82.	1.1	25
116	A novel indirect defence in Brassicaceae: Structure and function of extrafloral nectaries in <i>Brassica juncea</i>. Plant, Cell and Environment, 2013, 36, 528-541.	5.7	25
117	A tritrophic approach to the preferenceâ€“performance hypothesis involving an exotic and a native plant. Biological Invasions, 2013, 15, 2387-2401.	2.4	25
118	An ecogenomic analysis of herbivoreâ€induced plant volatiles in <i><scp>B</scp>rassica juncea</i>. Molecular Ecology, 2013, 22, 6179-6196.	3.9	25
119	Effects of soil organisms on aboveground multitrophic interactions are consistent between plant genotypes mediating the interaction. Entomologia Experimentalis Et Applicata, 2011, 139, 197-206.	1.4	24
120	Heterodera schachtii Nematodes Interfere with Aphid-Plant Relations on Brassica oleracea. Journal of Chemical Ecology, 2013, 39, 1193-1203.	1.8	24
121	Biotic interactions, community assembly, and eco-evolutionary dynamics as drivers of long-term biodiversityâ€“ecosystem functioning relationships. Research Ideas and Outcomes, 0, 5, .	1.0	23
122	Effects of intraspecific variation in white cabbage (Brassica oleracea var. capitata) on soil organisms. Plant and Soil, 2010, 336, 509-518.	3.7	22
123	Extrafloral nectar secretion from wounds of Solanum dulcamara. Nature Plants, 2016, 2, 16056.	9.3	22
124	Glycoalkaloid composition explains variation in slug resistance in Solanum dulcamara. Oecologia, 2018, 187, 495-506.	2.0	22
125	Delayed Chemical Defense: Timely Expulsion of Herbivores Can Reduce Competition with Neighboring Plants. American Naturalist, 2019, 193, 125-139.	2.1	22
126	How genetic modification of roots affects rhizosphere processes and plant performance. Journal of Experimental Botany, 2012, 63, 3475-3483.	4.8	21

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127	Efficiency of plant induced volatiles in attracting <i>Encarsia formosa</i> and <i>Serangium japonicum</i>, two dominant natural enemies of whitefly <i>Bemisia tabaci</i> in China. Pest Management Science, 2014, 70, 1604-1610.	3.4	21
128	Differences in Hormonal Signaling Triggered by Two Root-Feeding Nematode Species Result in Contrasting Effects on Aphid Population Growth. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	21
129	An objective highâ€throughput screening method for thrips damage quantitation using Ilastik and ImageJ. Entomologia Experimentalis Et Applicata, 2018, 166, 508-515.	1.4	21
130	Unravelling Plant Responses to Stressâ€"The Importance of Targeted and Untargeted Metabolomics. Metabolites, 2021, 11, 558.	2.9	21
131	Soil chemical legacies trigger speciesâ€specific and contextâ€dependent root responses in later arriving plants. Plant, Cell and Environment, 2021, 44, 1215-1230.	5.7	20
132	Tree species richness differentially affects the chemical composition of leaves, roots and root exudates in four subtropical tree species. Journal of Ecology, 2022, 110, 97-116.	4.0	20
133	Belowground induction by Delia radicum or phytohormones affect aboveground herbivore communities on field-grown broccoli. Frontiers in Plant Science, 2013, 4, 305.	3.6	19
134	Loss of heterosis and familyâ€dependent inbreeding depression in plant performance and resistance against multiple herbivores under drought stress. Journal of Ecology, 2014, 102, 1497-1505.	4.0	19
135	Evolutionary responses to climate change in a range expanding plant. Oecologia, 2017, 184, 543-554.	2.0	18
136	Both Biosynthesis and Transport Are Involved in Glucosinolate Accumulation During Root-Herbivory in Brassica rapa. Frontiers in Plant Science, 2019, 10, 1653.	3.6	18
137	Activated carbon addition affects substrate pH and germination of six plant species. Soil Biology and Biochemistry, 2010, 42, 1165-1167.	8.8	17
138	Interactive Responses of Solanum Dulcamara to Drought and Insect Feeding are Herbivore Species-Specific. International Journal of Molecular Sciences, 2018, 19, 3845.	4.1	17
139	The bacterium <i>Pseudomonas protegens</i> antagonizes the microalga <scp><i>Chlamydomonas reinhardtii</i></scp> using a blend of toxins. Environmental Microbiology, 2021, 23, 5525-5540.	3.8	17
140	A practical guide to implementing metabolomics in plant ecology and biodiversity research. Advances in Botanical Research, 2021, , 163-203.	1.1	17
141	Plant defence responses in oilseed rape MINELESS plants after attack by the cabbage moth Mamestra brassicae. Journal of Experimental Botany, 2015, 66, 579-592.	4.8	16
142	Effect of atmospheric carbon dioxide levels and nitrate fertilization on glucosinolate biosynthesis in mechanically damaged Arabidopsis plants. BMC Plant Biology, 2016, 16, 68.	3.6	16
143	Defence signalling marker gene responses to hormonal elicitation differ between roots and shoots. AoB PLANTS, 2018, 10, ply031.	2.3	16
144	Mechanical wounding under field conditions: A potential tool to increase the allelopathic inhibitory effect of cover crops on weeds?. European Journal of Agronomy, 2014, 52, 229-236.	4.1	15

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145	Something in the air? The impact of volatiles on mollusc attack of oilseed rape seedlings. Annals of Botany, 2016, 117, 1073-1082.	2.9	15
146	Ultraviolet radiation enhances salicylic acid-mediated defense signaling and resistance to <i>Pseudomonas syringae</i> DC3000 in a jasmonic acid-deficient tomato mutant. Plant Signaling and Behavior, 2019, 14, e1581560.	2.4	15
147	Ecology and Evolution of Intraspecific Chemodiversity of Plants. Research Ideas and Outcomes, 0, 6, .	1.0	15
148	Crossfit analysis: a novel method to characterize the dynamics of induced plant responses. BMC Bioinformatics, 2009, 10, 425.	2.6	14
149	Functional Variation in Dipteran Gut Bacterial Communities in Relation to Their Diet, Life Cycle Stage and Habitat. Insects, 2020, 11, 543.	2.2	14
150	A mosaic of induced and nonâ€induced branches promotes variation in leaf traits, predation and insect herbivore assemblages in canopy trees. Ecology Letters, 2022, 25, 729-739.	6.4	14
151	Combining QTL mapping with transcriptome and metabolome profiling reveals a possible role for ABA signaling in resistance against the cabbage whitefly in cabbage. PLoS ONE, 2018, 13, e0206103.	2.5	13
152	Gastropods and Insects Prefer Different Solanum dulcamara Chemotypes. Journal of Chemical Ecology, 2019, 45, 146-161.	1.8	13
153	The impact of Spodoptera exigua herbivory on Meloidogyne incognita-induced root responses depends on the nematodesâ€™ life cycle stages. AoB PLANTS, 2020, 12, plaa029.	2.3	13
154	Cascading Effects of Root Microbial Symbiosis on the Development and Metabolome of the Insect Herbivore Manduca sexta L.. Metabolites, 2021, 11, 731.	2.9	13
155	Root-Lesion Nematodes Suppress Cabbage Aphid Population Development by Reducing Aphid Daily Reproduction. Frontiers in Plant Science, 2016, 7, 111.	3.6	12
156	Same Difference? Low and High Glucosinolate Brassica rapa Varieties Show Similar Responses Upon Feeding by Two Specialist Root Herbivores. Frontiers in Plant Science, 2019, 10, 1451.	3.6	12
157	Branch-Localized Induction Promotes Efficacy of Volatile Defences and Herbivore Predation in Trees. Journal of Chemical Ecology, 2021, 47, 99-111.	1.8	12
158	Arbuscular mycorrhizal fungi prevent the negative effect of drought and modulate the growthâ€defence tradeâ€off in tomato plants. , 2022, 1, 177-190.		11
159	Genotypeâ€"environment interactions affect flower and fruit herbivory and plant chemistry of<i>Arabidopsis thaliana</i>in a transplant experiment. Ecological Research, 2009, 24, 1161-1171.	1.5	10
160	Allelopathic effects of glucosinolate breakdown products in Hanza [Boscia senegalensis (Pers.) Lam.] processing waste water. Frontiers in Plant Science, 2015, 6, 532.	3.6	10
161	Interactions between functionally diverse fungal mutualists inconsistently affect plant performance and competition. Oikos, 2019, 128, 1136-1146.	2.7	10
162	LC-MS based plant metabolic profiles of thirteen grassland species grown in diverse neighbourhoods. Scientific Data, 2021, 8, 52.	5.3	10

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163	Induced Local and Systemic Defense Responses in Tomato Underlying Interactions Between the Root-Knot Nematode Meloidogyne incognita and the Potato Aphid Macrosiphum euphorbiae. Frontiers in Plant Science, 2021, 12, 632212.	3.6	10
164	Quantification of Thrips Damage Using Ilastik and ImageJ Fiji. Bio-protocol, 2018, 8, e2806.	0.4	10
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