

Matthias Erb

List of Publications by Year in descending order

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Version: 2024-02-01

140
papers

12,337
citations

23567

58
h-index

30087

103
g-index

171
all docs

171
docs citations

171
times ranked

8906
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant defense strategies against attack by multiple herbivores. <i>Trends in Plant Science</i> , 2022, 27, 528-535.	8.8	23
2	Species-specific plant-mediated effects between herbivores converge at high damage intensity. <i>Ecology</i> , 2022, 103, e3647.	3.2	7
3	Leafminer attack accelerates the development of soil-dwelling conspecific pupae via plant-mediated changes in belowground volatiles. <i>New Phytologist</i> , 2022, 234, 280-294.	7.3	9
4	Climate warming can reduce biocontrol efficacy and promote plant invasion due to both genetic and transient metabolomic changes. <i>Ecology Letters</i> , 2022, 25, 1387-1400.	6.4	19
5	Indole primes defence signalling and increases herbivore resistance in tea plants. <i>Plant, Cell and Environment</i> , 2021, 44, 1165-1177.	5.7	59
6	Western Corn Rootworm, <i>Plant and Microbe Interactions: A Review and Prospects for New Management Tools</i> . <i>Insects</i> , 2021, 12, 171.	2.2	14
7	The plant metabolome guides fitness-relevant foraging decisions of a specialist herbivore. <i>PLoS Biology</i> , 2021, 19, e3001114.	5.6	15
8	Plant volatiles as regulators of plant defense and herbivore immunity: molecular mechanisms and unanswered questions. <i>Current Opinion in Insect Science</i> , 2021, 44, 82-88.	4.4	29
9	Plant chemistry and food web health. <i>New Phytologist</i> , 2021, 231, 957-962.	7.3	4
10	Plant-associated CO ₂ mediates long-distance host location and foraging behaviour of a root herbivore. <i>ELife</i> , 2021, 10, .	6.0	10
11	Specific and conserved patterns of microbiota-structuring by maize benzoxazinoids in the field. <i>Microbiome</i> , 2021, 9, 103.	11.1	57
12	Adaptations and responses of the common dandelion to low atmospheric pressure in high-altitude environments. <i>Journal of Ecology</i> , 2021, 109, 3487-3501.	4.0	3
13	Using plant chemistry to improve interactions between plants, herbivores and their natural enemies: challenges and opportunities. <i>Current Opinion in Biotechnology</i> , 2021, 70, 262-265.	6.6	8
14	Climate Change Modulates Multitrophic Interactions Between Maize, A Root Herbivore, and Its Enemies. <i>Journal of Chemical Ecology</i> , 2021, 47, 889-906.	1.8	6
15	Soil composition and plant genotype determine benzoxazinoid-mediated plant-soil feedbacks in cereals. <i>Plant, Cell and Environment</i> , 2021, 44, 3732-3744.	5.7	8
16	Predator-induced maternal effects determine adaptive antipredator behaviors via egg composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
17	Soil chemistry determines whether defensive plant secondary metabolites promote or suppress herbivore growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
18	A beta-glucosidase of an insect herbivore determines both toxicity and deterrence of a dandelion defense metabolite. <i>ELife</i> , 2021, 10, .	6.0	8

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19	Impulse Lecture – How specialized metabolites mediate interactions between plants and other organisms. <i>Planta Medica</i> , 2021, 87, .	1.3	0
20	Rhizobium Symbiotic Capacity Shapes Root-Associated Microbiomes in Soybean. <i>Frontiers in Microbiology</i> , 2021, 12, 709012.	3.5	14
21	Impact of Seasonal and Temperature-Dependent Variation in Root Defense Metabolites on Herbivore Preference in <i>Taraxacum officinale</i> . <i>Journal of Chemical Ecology</i> , 2020, 46, 63-75.	1.8	14
22	The Fall Armyworm <i>Spodoptera frugiperda</i> Utilizes Specific UDP-Glycosyltransferases to Inactivate Maize Defensive Benzoxazinoids. <i>Frontiers in Physiology</i> , 2020, 11, 604754.	2.8	29
23	Entomopathogenic nematodes from Mexico that can overcome the resistance mechanisms of the western corn rootworm. <i>Scientific Reports</i> , 2020, 10, 8257.	3.3	20
24	Induction of defense in cereals by 4-fluorophenoxyacetic acid suppresses insect pest populations and increases crop yields in the field. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12017-12028.	7.1	33
25	Adapted dandelions trade dispersal for germination upon root herbivore attack. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192930.	2.6	7
26	Heritable variation in root secondary metabolites is associated with recent climate. <i>Journal of Ecology</i> , 2020, 108, 2611-2624.	4.0	12
27	Suppression of a leucine-rich repeat receptor-like kinase enhances host plant resistance to a specialist herbivore. <i>Plant, Cell and Environment</i> , 2020, 43, 2571-2585.	5.7	13
28	Evaluation of primer pairs for microbiome profiling from soils to humans within the One Health framework. <i>Molecular Ecology Resources</i> , 2020, 20, 1558-1571.	4.8	61
29	Plant Secondary Metabolites as Defenses, Regulators, and Primary Metabolites: The Blurred Functional Trichotomy. <i>Plant Physiology</i> , 2020, 184, 39-52.	4.8	549
30	Engineering bacterial symbionts of nematodes improves their biocontrol potential to counter the western corn rootworm. <i>Nature Biotechnology</i> , 2020, 38, 600-608.	17.5	27
31	<i>Spodoptera frugiperda</i> Caterpillars Suppress Herbivore-Induced Volatile Emissions in Maize. <i>Journal of Chemical Ecology</i> , 2020, 46, 344-360.	1.8	57
32	Identification of <i>Photorhabdus</i> symbionts by MALDI-TOF MS. <i>Microbiology (United Kingdom)</i> , 2020, 166, 522-530.	1.8	11
33	Independent evolution of ancestral and novel defenses in a genus of toxic plants (<i>Erysimum</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	6.6	52
34	Distinct defense strategies allow different grassland species to cope with root herbivore attack. <i>Oecologia</i> , 2019, 191, 127-139.	2.0	13
35	Plant Biology: Evolution of Volatile-Mediated Plant-Plant Interactions. <i>Current Biology</i> , 2019, 29, R873-R875.	3.9	10
36	Root volatiles in plant-plant interactions I: High root sesquiterpene release is associated with increased germination and growth of plant neighbours. <i>Plant, Cell and Environment</i> , 2019, 42, 1950-1963.	5.7	57

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37	Molecular Interactions Between Plants and Insect Herbivores. Annual Review of Plant Biology, 2019, 70, 527-557.	18.7	382
38	Molecular Dissection of Early Defense Signaling Underlying Volatile-Mediated Defense Regulation and Herbivore Resistance in Rice. Plant Cell, 2019, 31, 687-698.	6.6	82
39	Root volatiles in plant-plant interactions II: Root volatiles alter root chemistry and herbivore interactions of neighbouring plants. Plant, Cell and Environment, 2019, 42, 1964-1973.	5.7	51
40	Plant defense resistance in natural enemies of a specialist insect herbivore. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23174-23181.	7.1	53
41	Fungal resistance mediated by maize wall-associated kinase ZmWAK1 correlates with reduced benzoxazinoid content. New Phytologist, 2019, 221, 976-987.	7.3	71
42	Integration of two herbivore-induced plant volatiles results in synergistic effects on plant defence and resistance. Plant, Cell and Environment, 2019, 42, 959-971.	5.7	56
43	Can Herbivore-Induced Volatiles Protect Plants by Increasing the Herbivores' Susceptibility to Natural Pathogens?. Applied and Environmental Microbiology, 2019, 85, .	3.1	40
44	Volatiles as inducers and suppressors of plant defense and immunity – origins, specificity, perception and signaling. Current Opinion in Plant Biology, 2018, 44, 117-121.	7.1	101
45	Tritrophic Interactions Mediated by Herbivore-Induced Plant Volatiles: Mechanisms, Ecological Relevance, and Application Potential. Annual Review of Entomology, 2018, 63, 433-452.	11.8	503
46	Aboveground herbivory induced jasmonates disproportionately reduce plant reproductive potential by facilitating root nematode infestation. Plant, Cell and Environment, 2018, 41, 797-808.	5.7	27
47	Neighbourhood effects determine herbivore interactions belowground. Journal of Ecology, 2018, 106, 347-356.	4.0	25
48	Plant Defenses against Herbivory: Closing the Fitness Gap. Trends in Plant Science, 2018, 23, 187-194.	8.8	91
49	Convergent evolution of a metabolic switch between aphid and caterpillar resistance in cereals. Science Advances, 2018, 4, eaat6797.	10.3	58
50	An herbivore-induced plant volatile reduces parasitoid attraction by changing the smell of caterpillars. Science Advances, 2018, 4, eaar4767.	10.3	57
51	Influence of drought on plant performance through changes in belowground tritrophic interactions. Ecology and Evolution, 2018, 8, 6756-6765.	1.9	12
52	Root exudate metabolites drive plant-soil feedbacks on growth and defense by shaping the rhizosphere microbiota. Nature Communications, 2018, 9, 2738.	12.8	861
53	Promises and challenges in insect-plant interactions. Entomologia Experimentalis Et Applicata, 2018, 166, 319-343.	1.4	66
54	Plant iron acquisition strategy exploited by an insect herbivore. Science, 2018, 361, 694-697.	12.6	98

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55	OsLRR-ERLK1, an early responsive leucine-rich repeat receptor-like kinase, initiates rice defense responses against a chewing herbivore. <i>New Phytologist</i> , 2018, 219, 1097-1111.	7.3	75
56	Whole-genome-based revisit of <i>Photorhabdus</i> phylogeny: proposal for the elevation of most <i>Photorhabdus</i> subspecies to the species level and description of one novel species <i>Photorhabdus bodei</i> sp. nov., and one novel subspecies <i>Photorhabdus laumondii</i> subsp. <i>clarkei</i> subsp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2664-2681.	1.7	132
57	Species-specific regulation of herbivory-induced defoliation tolerance is associated with jasmonate inducibility. <i>Ecology and Evolution</i> , 2017, 7, 3703-3712.	1.9	14
58	A mechanism for sequence specificity in plant-mediated interactions between herbivores. <i>New Phytologist</i> , 2017, 214, 169-179.	7.3	34
59	Herbivory-induced jasmonates constrain plant sugar accumulation and growth by antagonizing gibberellin signaling and not by promoting secondary metabolite production. <i>New Phytologist</i> , 2017, 215, 803-812.	7.3	71
60	A Herbivore Tag-and-Trace System Reveals Contact- and Density-Dependent Repellence of a Root Toxin. <i>Journal of Chemical Ecology</i> , 2017, 43, 295-306.	1.8	22
61	Localized micronutrient patches induce lateral root foraging and chemotropism in <i>Nicotiana attenuata</i> . <i>Journal of Integrative Plant Biology</i> , 2017, 59, 759-771.	8.5	8
62	Sequestration and activation of plant toxins protect the western corn rootworm from enemies at multiple trophic levels. <i>ELife</i> , 2017, 6, .	6.0	68
63	A Latex Metabolite Benefits Plant Fitness under Root Herbivore Attack. <i>PLoS Biology</i> , 2016, 14, e1002332.	5.6	71
64	A fungal endophyte helps plants to tolerate root herbivory through changes in gibberellin and jasmonate signaling. <i>New Phytologist</i> , 2016, 211, 1065-1076.	7.3	80
65	Dynamic Precision Phenotyping Reveals Mechanism of Crop Tolerance to Root Herbivory. <i>Plant Physiology</i> , 2016, 172, pp.00735.2016.	4.8	23
66	A conserved pattern in plant-mediated interactions between herbivores. <i>Ecology and Evolution</i> , 2016, 6, 1032-1040.	1.9	10
67	Roots under attack: contrasting plant responses to below- and aboveground insect herbivory. <i>New Phytologist</i> , 2016, 210, 413-418.	7.3	109
68	Auxin Is Rapidly Induced by Herbivore Attack and Regulates a Subset of Systemic, Jasmonate-Dependent Defenses. <i>Plant Physiology</i> , 2016, 172, 521-532.	4.8	69
69	Highly localized and persistent induction of Bx1-dependent herbivore resistance factors in maize. <i>Plant Journal</i> , 2016, 88, 976-991.	5.7	76
70	Herbivore intoxication as a potential primary function of an inducible volatile plant signal. <i>Journal of Ecology</i> , 2016, 104, 591-600.	4.0	83
71	Biosynthesis of 8-O-methylated benzoxazinoid defense compounds in maize. <i>Plant Cell</i> , 2016, 28, tpc.00065.2016.	6.6	87
72	Sequestration of plant secondary metabolites by insect herbivores: molecular mechanisms and ecological consequences. <i>Current Opinion in Insect Science</i> , 2016, 14, 8-11.	4.4	78

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73	A below-ground herbivore shapes root defensive chemistry in natural plant populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160285.	2.6	26
74	Benefits of jasmonate-dependent defenses against vertebrate herbivores in nature. <i>ELife</i> , 2016, 5, .	6.0	48
75	Metabolomics in plant–herbivore interactions: challenges and applications. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 18-29.	1.4	41
76	A <i>Nicotiana attenuata</i> cell wall invertase inhibitor (NaCWI) reduces growth and increases secondary metabolite biosynthesis in herbivore-attacked plants. <i>New Phytologist</i> , 2015, 208, 519-530.	7.3	38
77	Prioritizing plant defence over growth through WRKY regulation facilitates infestation by non-target herbivores. <i>ELife</i> , 2015, 4, e04805.	6.0	118
78	A physiological and behavioral mechanism for leaf-herbivore induced systemic root resistance. <i>Plant Physiology</i> , 2015, 169, pp.00759.2015.	4.8	44
79	Induced Jasmonate Signaling Leads to Contrasting Effects on Root Damage and Herbivore Performance. <i>Plant Physiology</i> , 2015, 167, 1100-1116.	4.8	104
80	Defensive weapons and defense signals in plants: Some metabolites serve both roles. <i>BioEssays</i> , 2015, 37, 167-174.	2.5	104
81	Within-plant distribution of 1,4-benzoxazinones contributes to herbivore niche differentiation in maize. <i>Plant, Cell and Environment</i> , 2015, 38, 1081-1093.	5.7	55
82	Jasmonate-dependent depletion of soluble sugars compromises plant resistance to <i>Manduca sexta</i> . <i>New Phytologist</i> , 2015, 207, 91-105.	7.3	88
83	Indole is an essential herbivore-induced volatile priming signal in maize. <i>Nature Communications</i> , 2015, 6, 6273.	12.8	349
84	Identification, quantification, spatiotemporal distribution and genetic variation of major latex secondary metabolites in the common dandelion (<i>Taraxacum officinale</i> agg.). <i>Phytochemistry</i> , 2015, 115, 89-98.	2.9	65
85	Plant strengtheners enhance parasitoid attraction to herbivore-damaged cotton via qualitative and quantitative changes in induced volatiles. <i>Pest Management Science</i> , 2015, 71, 686-693.	3.4	20
86	Maize Domestication and Anti-Herbivore Defences: Leaf-Specific Dynamics during Early Ontogeny of Maize and Its Wild Ancestors. <i>PLoS ONE</i> , 2015, 10, e0135722.	2.5	41
87	Salicylic Acid, a Plant Defense Hormone, Is Specifically Secreted by a Molluscan Herbivore. <i>PLoS ONE</i> , 2014, 9, e86500.	2.5	38
88	Reglucosylation of the Benzoxazinoid DIMBOA with Inversion of Stereochemical Configuration is a Detoxification Strategy in Lepidopteran Herbivores. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11320-11324.	13.8	87
89	The prospect of applying chemical elicitors and plant strengtheners to enhance the biological control of crop pests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120283.	4.0	60
90	Volatiles produced by soil-borne endophytic bacteria increase plant pathogen resistance and affect tritrophic interactions. <i>Plant, Cell and Environment</i> , 2014, 37, 813-826.	5.7	214

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91	3- ¹² -d-Glucopyranosyl-6-methoxy-2-benzoxazolinone (MBOA-N-Glc) is an insect detoxification product of maize 1,4-benzoxazin-3-ones. <i>Phytochemistry</i> , 2014, 102, 97-105.	2.9	77
92	Induced carbon reallocation and compensatory growth as root herbivore tolerance mechanisms. <i>Plant, Cell and Environment</i> , 2014, 37, 2613-2622.	5.7	60
93	Contrasting Effects of Ethylene Biosynthesis on Induced Plant Resistance against a Chewing and a Piercing-Sucking Herbivore in Rice. <i>Molecular Plant</i> , 2014, 7, 1670-1682.	8.3	94
94	Role of Methyl Salicylate on Oviposition Deterrence in <i>Arabidopsis thaliana</i> . <i>Journal of Chemical Ecology</i> , 2014, 40, 754-759.	1.8	16
95	Role of two UDP-Glycosyltransferases from the L group of <i>Arabidopsis</i> in resistance against <i>Pseudomonas syringae</i> . <i>European Journal of Plant Pathology</i> , 2014, 139, 707-720.	1.7	32
96	The Inverted Phantom Giant. <i>Journal of Chemical Ecology</i> , 2014, 40, 417-417.	1.8	0
97	Carbon-11 Reveals Opposing Roles of Auxin and Salicylic Acid in Regulating Leaf Physiology, Leaf Metabolism, and Resource Allocation Patterns that Impact Root Growth in <i>Zea mays</i> . <i>Journal of Plant Growth Regulation</i> , 2014, 33, 328-339.	5.1	34
98	The role of glucosinolates and the jasmonic acid pathway in resistance of <i>Arabidopsis thaliana</i> against molluscan herbivores. <i>Molecular Ecology</i> , 2014, 23, 1188-1203.	3.9	95
99	Direct and Indirect Plant Defenses are not Suppressed by Endosymbionts of a Specialist Root Herbivore. <i>Journal of Chemical Ecology</i> , 2013, 39, 507-515.	1.8	36
100	Leaf herbivore attack reduces carbon reserves and regrowth from the roots via jasmonate and auxin signaling. <i>New Phytologist</i> , 2013, 200, 1234-1246.	7.3	150
101	Long distance root-shoot signalling in plant-insect community interactions. <i>Trends in Plant Science</i> , 2013, 18, 149-156.	8.8	101
102	Metabolomics reveals herbivore-induced metabolites of resistance and susceptibility in maize leaves and roots. <i>Plant, Cell and Environment</i> , 2013, 36, 621-639.	5.7	149
103	The maize lipoxygenase, <i>ZmLOX10</i> , mediates green leaf volatile, jasmonate and herbivore-induced plant volatile production for defense against insect attack. <i>Plant Journal</i> , 2013, 74, 59-73.	5.7	217
104	Genetically engineered maize plants reveal distinct costs and benefits of constitutive volatile emissions in the field. <i>Plant Biotechnology Journal</i> , 2013, 11, 628-639.	8.3	90
105	Natural Variation in Maize Aphid Resistance Is Associated with 2,4-Dihydroxy-7-Methoxy-1,4-Benzoxazin-3-One Glucoside Methyltransferase Activity. <i>Plant Cell</i> , 2013, 25, 2341-2355.	6.6	251
106	Plant elicitor peptides are conserved signals regulating direct and indirect antiherbivore defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5707-5712.	7.1	179
107	The Role of Plant Primary and Secondary Metabolites in Root-Herbivore Behaviour, Nutrition and Physiology. <i>Advances in Insect Physiology</i> , 2013, 45, 53-95.	2.7	44
108	Soil abiotic factors influence interactions between belowground herbivores and plant roots. <i>Journal of Experimental Botany</i> , 2013, 64, 1295-1303.	4.8	56

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109	Insect oral secretions suppress wound-induced responses in Arabidopsis. <i>Journal of Experimental Botany</i> , 2012, 63, 727-737.	4.8	127
110	Defence on demand: mechanisms behind optimal defence patterns. <i>Annals of Botany</i> , 2012, 110, 1503-1514.	2.9	165
111	Role of phytohormones in insect-specific plant reactions. <i>Trends in Plant Science</i> , 2012, 17, 250-259.	8.8	742
112	The broadleaf herbicide 2,4-dichlorophenoxyacetic acid turns rice into a living trap for a major insect pest and a parasitic wasp. <i>New Phytologist</i> , 2012, 194, 498-510.	7.3	54
113	Herbivore-induced plant volatiles mediate host selection by a root herbivore. <i>New Phytologist</i> , 2012, 194, 1061-1069.	7.3	152
114	Search for Low-Molecular-Weight Biomarkers in Plant Tissues and Seeds Using Metabolomics: Tools, Strategies, and Applications. , 2012, , 305-341.		0
115	The Role of Roots in Plant Defence. , 2012, , 291-309.		7
116	Less is More: Treatment with BTH and Laminarin Reduces Herbivore-Induced Volatile Emissions in Maize but Increases Parasitoid Attraction. <i>Journal of Chemical Ecology</i> , 2012, 38, 348-360.	1.8	59
117	Induced Immunity Against Belowground Insect Herbivores- Activation of Defenses in the Absence of a Jasmonate Burst. <i>Journal of Chemical Ecology</i> , 2012, 38, 629-640.	1.8	66
118	A specialist root herbivore exploits defensive metabolites to locate nutritious tissues. <i>Ecology Letters</i> , 2012, 15, 55-64.	6.4	146
119	A specialist root herbivore reduces plant resistance and uses an induced plant volatile to aggregate in a density-dependent manner. <i>Functional Ecology</i> , 2012, 26, 1429-1440.	3.6	75
120	Two enzymes responsible for the formation of herbivore-induced volatiles of maize, the methyltransferase AAMT1 and the terpene synthase TPS23, are regulated by a similar signal transduction pathway. <i>Entomologia Experimentalis Et Applicata</i> , 2012, 144, 86-92.	1.4	6
121	Specific herbivore-induced volatiles defend plants and determine insect community composition in the field. <i>Ecology Letters</i> , 2012, 15, 1130-1139.	6.4	159
122	Synergies and tradeoffs between insect and pathogen resistance in maize leaves and roots. <i>Plant, Cell and Environment</i> , 2011, 34, 1088-1103.	5.7	82
123	Systemic root signalling in a belowground, volatile-mediated tritrophic interaction. <i>Plant, Cell and Environment</i> , 2011, 34, 1267-1275.	5.7	80
124	An EAR-motif-containing ERF transcription factor affects herbivore-induced signaling, defense and resistance in rice. <i>Plant Journal</i> , 2011, 68, 583-596.	5.7	166
125	Induction and detoxification of maize 1,4-benzoxazinones by insect herbivores. <i>Plant Journal</i> , 2011, 68, 901-911.	5.7	209
126	Sequence of arrival determines plant-mediated interactions between herbivores. <i>Journal of Ecology</i> , 2011, 99, 7-15.	4.0	160

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127	The role of abscisic acid and water stress in root herbivore-induced leaf resistance. <i>New Phytologist</i> , 2011, 189, 308-320.	7.3	103
128	The Chloroplast-Localized Phospholipases D $\hat{1}$ 4 and $\hat{1}$ 5 Regulate Herbivore-Induced Direct and Indirect Defenses in Rice \hat{A} \hat{A} . <i>Plant Physiology</i> , 2011, 157, 1987-1999.	4.8	77
129	Herbivore-Induced Plant Volatiles Can Serve as Host Location Cues for a Generalist and a Specialist Egg Parasitoid. <i>Journal of Chemical Ecology</i> , 2011, 37, 1304-1313.	1.8	70
130	Oviposition by a moth suppresses constitutive and herbivore-induced plant volatiles in maize. <i>Planta</i> , 2011, 234, 207-215.	3.2	59
131	Induction of root-resistance by leaf-herbivory follows a vertical gradient. <i>Journal of Plant Interactions</i> , 2011, 6, 133-136.	2.1	11
132	Benzoxazinoid Metabolites Regulate Innate Immunity against Aphids and Fungi in Maize \hat{A} \hat{A} . <i>Plant Physiology</i> , 2011, 157, 317-327.	4.8	295
133	A tritrophic signal that attracts parasitoids to host-damaged plants withstands disruption by non-host herbivores. <i>BMC Plant Biology</i> , 2010, 10, 247.	3.6	59
134	Family Business: Multiple Members of Major Phytohormone Classes Orchestrate Plant Stress Responses. <i>Chemistry - A European Journal</i> , 2010, 16, 10280-10289.	3.3	35
135	Belowground ABA boosts aboveground production of DIMBOA and primes induction of chlorogenic acid in maize. <i>Plant Signaling and Behavior</i> , 2009, 4, 639-641.	2.4	37
136	Insect-induced gene expression at the core of volatile terpene release in <i>Medicago truncatula</i> . <i>Plant Signaling and Behavior</i> , 2009, 4, 636-638.	2.4	26
137	Signal signature of aboveground-induced resistance upon belowground herbivory in maize. <i>Plant Journal</i> , 2009, 59, 292-302.	5.7	244
138	Silencing <i>OsHl$\hat{1}$LOX</i> makes rice more susceptible to chewing herbivores, but enhances resistance to a phloem feeder. <i>Plant Journal</i> , 2009, 60, 638-648.	5.7	244
139	The underestimated role of roots in defense against leaf attackers. <i>Trends in Plant Science</i> , 2009, 14, 653-659.	8.8	162
140	Interactions between Arthropod-Induced Aboveground and Belowground Defenses in Plants. <i>Plant Physiology</i> , 2008, 146, 867-874.	4.8	152