Harro J Bouwmeester

List of Publications by Year
in descending order

255	26,104	5248	7718
papers	citations	83 h-index	150 g-index

267	267	267	18154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Terpene synthases in cucumber (Cucumis sativus) and their contribution to herbivoreâ€induced volatile terpenoid emission. New Phytologist, 2022, 233, 862-877.	3.5	19
2	Can biochemical traits bridge the gap between genomics and plant performance? A study in rice under drought. Plant Physiology, 2022, 189, 1139-1152.	2.3	8
3	Effect of strigolactones on recruitment of the rice root-associated microbiome. FEMS Microbiology Ecology, 2022, 98, .	1.3	29
4	A carlactonoic acid methyltransferase that contributes to the inhibition of shoot branching in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2111565119.	3.3	35
5	High-energy-level metabolism and transport occur at the transition from closed to open flowers. Plant Physiology, 2022, 190, 319-339.	2.3	2
6	The tomato cytochrome <scp>P450 CYP712G1</scp> catalyses the double oxidation of orobanchol en route to the rhizosphere signalling strigolactone, solanacol. New Phytologist, 2022, 235, 1884-1899.	3.5	19
7	Probing strigolactone perception mechanisms with rationally designed small-molecule agonists stimulating germination of root parasitic weeds. Nature Communications, 2022, 13, .	5.8	9
8	Are sesquiterpene lactones the elusive KARRIKIN-INSENSITIVE2 ligand?. Planta, 2021, 253, 54.	1.6	9
9	Integrating structure-based machine learning and co-evolution to investigate specificity in plant sesquiterpene synthases. PLoS Computational Biology, 2021, 17, e1008197.	1.5	11
10	Engineered Orange Ectopically Expressing the Arabidopsis Î²-Caryophyllene Synthase Is Not Attractive to Diaphorina citri, the Vector of the Bacterial Pathogen Associated to Huanglongbing. Frontiers in Plant Science, 2021, 12, 641457.	1.7	16
11	Parasitic plants: physiology, development, signaling, and ecosystem interactions. Plant Physiology, 2021, 185, 1267-1269.	2.3	5
12	Characterization of maize root microbiome in two different soils by minimizing plant DNA contamination in metabarcoding analysis. Biology and Fertility of Soils, 2021, 57, 731-737.	2.3	5
13	Strigolactones regulate sepal senescence in Arabidopsis. Journal of Experimental Botany, 2021, 72, 5462-5477.	2.4	11
14	Plant lipids enticed fungi to mutualism. Science, 2021, 372, 789-790.	6.0	4
15	Phosphate Suppression of Arbuscular Mycorrhizal Symbiosis Involves Gibberellic Acid Signaling. Plant and Cell Physiology, 2021, 62, 959-970.	1.5	29
16	Drought tolerance in selected aerobic and upland rice varieties is driven by different metabolic and antioxidative responses. Planta, 2021, 254, 13.	1.6	9
17	The role of strigolactones in P deficiency induced transcriptional changes in tomato roots. BMC Plant Biology, 2021, 21, 349.	1.6	19
18	Editorial overview: Biotechnology to help understand and harness biotic interactions in plants. Current Opinion in Biotechnology, 2021, 70, vi-viii.	3.3	0

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19	Integration of omics data to unravel root microbiome recruitment. Current Opinion in Biotechnology, 2021, 70, 255-261.	3.3	20
20	Metabolic interactions in beneficial microbe recruitment by plants. Current Opinion in Biotechnology, 2021, 70, 241-247.	3.3	24
21	Characterization of growth and development of sorghum genotypes with differential susceptibility to Striga hermonthica. Journal of Experimental Botany, 2021, 72, 7970-7983.	2.4	4
22	Adaptation of the parasitic plant lifecycle: germination is controlled by essential host signaling molecules. Plant Physiology, 2021, 185, 1292-1308.	2.3	48
23	On the role of dauer in the adaptation of nematodes to a parasitic lifestyle. Parasites and Vectors, 2021, 14, 554.	1.0	11
24	UPLC-MS/MS analysis and biological activity of the potato cyst nematode hatching stimulant, solanoeclepin A, in the root exudate of Solanum spp.. Planta, 2021, 254, 112.	1.6	7
25	Biomarkers for grain yield stability in rice under drought stress. Journal of Experimental Botany, 2020, 71, 669-683.	2.4	71
26	Combined transcriptome and metabolome analysis identifies defence responses in spider mite-infested pepper (Capsicum annuum). Journal of Experimental Botany, 2020, 71, 330-343.	2.4	61
27	Silencing of germacrene A synthase genes reduces guaianolide oxalate content in Cichorium intybus L.. GM Crops and Food, 2020, 11, 54-66.	2.0	9
28	Association mapping and genetic dissection of drought-induced canopy temperature differences in rice. Journal of Experimental Botany, 2020, 71, 1614-1627.	2.4	33
29	The Effect of Virulence and Resistance Mechanisms on the Interactions between Parasitic Plants and Their Hosts. International Journal of Molecular Sciences, 2020, 21, 9013.	1.8	16
30	An improved strategy to analyse strigolactones in complex sample matrices using UHPLCâ€“MS/MS. Plant Methods, 2020, 16, 125.	1.9	31
31	Genome-Wide Analysis Reveals Transcription Factors Regulated by Spider-Mite Feeding in Cucumber (Cucumis sativus). Plants, 2020, 9, 1014.	1.6	2
32	The santalene synthase from Cinnamomum camphora: Reconstruction of a sesquiterpene synthase from a monoterpene synthase. Archives of Biochemistry and Biophysics, 2020, 695, 108647.	1.4	10
33	Novel routes towards bioplastics from plants: elucidation of the methylperillate biosynthesis pathway from Salvia dorisiana trichomes. Journal of Experimental Botany, 2020, 71, 3052-3065.	2.4	13
34	Science and application of strigolactones. New Phytologist, 2020, 227, 1001-1011.	3.5	60
35	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. Nature Communications, 2020, 11, 2114.	5.8	101
36	Transcriptional and metabolite analysis reveal a shift in direct and indirect defences in response to spider-mite infestation in cucumber (Cucumis sativus). Plant Molecular Biology, 2020, 103, 489-505.	2.0	26

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37	The role of volatiles in plant communication. Plant Journal, 2019, 100, 892-907.	2.8	180
38	Strigolactone: Pflanzenhormone mit vielversprechenden Eigenschaften. Angewandte Chemie, 2019, 131, 12909-12917.	1.6	3
39	Strigolactones: Plant Hormones with Promising Features. Angewandte Chemie - International Edition, 2019, 58, 12778-12786.	7.2	54
40	Insights into Heterologous Biosynthesis of Arteannuin B and Artemisinin in Physcomitrella patens. Molecules, 2019, 24, 3822.	1.7	19
41	Design, Synthesis and Biological Evaluation of Strigolactone and Strigolactam Derivatives for Potential Crop Enhancement Applications in Modern Agriculture. Chimia, 2019, 73, 549.	0.3	17
42	A CLEâ€“SUNN module regulates strigolactone content and fungal colonization in arbuscular mycorrhiza. Nature Plants, 2019, 5, 933-939.	4.7	65
43	Role and exploitation of underground chemical signaling in plants. Pest Management Science, 2019, 75, 2455-2463.	1.7	37
44	Dissecting the pine tree green chemical factory. Journal of Experimental Botany, 2019, 70, 4-6.	2.4	5
45	Distinct roles for strigolactones in cyst nematode parasitism of Arabidopsis roots. European Journal of Plant Pathology, 2019, 154, 129-140.	0.8	23
46	Strigolactones and Parasitic Plants. , 2019, , 89-120.		12
47	Strigolactone Biosynthesis and Signal Transduction. , 2019, , 1-45.		15
48	Substrate promiscuity of enzymes from the sesquiterpene biosynthetic pathways from Artemisia annua and Tanacetum parthenium allows for novel combinatorial sesquiterpene production. Metabolic Engineering, 2019, 54, 12-23.	3.6	13
49	Tissue specific expression and genomic organization of bitter sesquiterpene lactone biosynthesis in Cichorium intybus L. (Asteraceae). Industrial Crops and Products, 2019, 129, 253-260.	2.5	16
50	An analysis of characterized plant sesquiterpene synthases. Phytochemistry, 2019, 158, 157-165.	1.4	67
51	Plant host and drought shape the root associated fungal microbiota in rice. PeerJ, 2019, 7, e7463.	0.9	31
52	Structural diversity in the strigolactones. Journal of Experimental Botany, 2018, 69, 2219-2230.	2.4	115
53	Engineering storage capacity for volatile sesquiterpenes in Nicotiana benthamiana leaves. Plant Biotechnology Journal, 2018, 16, 1997-2006.	4.1	23
54	The tomato MAX1 homolog, SlMAX1, is involved in the biosynthesis of tomato strigolactones from carlactone. New Phytologist, 2018, 219, 297-309.	3.5	55

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55	Zeapyranolactone â˜ A novel strigolactone from maize. Phytochemistry Letters, 2018, 24, 172-178.	0.6	36
56	Genetic variation in Sorghum bicolor strigolactones and their role in resistance against Striga hermonthica. Journal of Experimental Botany, 2018, 69, 2415-2430.	2.4	34
57	The interaction of strigolactones with abscisic acid during the drought response in rice. Journal of Experimental Botany, 2018, 69, 2403-2414.	2.4	80
58	Kauniolide synthase is a P450 with unusual hydroxylation and cyclization-elimination activity. Nature Communications, 2018, 9, 4657.	5.8	24
59	Can witchweed be wiped out?. Science, 2018, 362, 1248-1249.	6.0	1
60	Functional intron-derived miRNAs and host-gene expression in plants. Plant Methods, 2018, 14, 83.	1.9	8
61	Identification of the Bisabolol Synthase in the Endangered Candeia Tree (Eremanthus erythropappus) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	13
62	Abscisic acid influences tillering by modulation of strigolactones in barley. Journal of Experimental Botany, 2018, 69, 3883-3898.	2.4	51
63	The Use of Metabolomics to Elucidate Resistance Markers against Damson-Hop Aphid. Journal of Chemical Ecology, 2018, 44, 711-726.	0.9	5
64	Functional analysis of the HD-Zip transcription factor genes Oshox12 and Oshox14 in rice. PLoS ONE, 2018, 13, e0199248.	1.1	38
65	Agrobacterium rhizogenes transformed calli of the holoparasitic plant Phelipanche ramosa maintain parasitic competence. Plant Cell, Tissue and Organ Culture, 2018, 135, 321-329.	1.2	11
66	Zealactones. Novel natural strigolactones from maize. Phytochemistry, 2017, 137, 123-131.	1.4	98
67	The Sexual Advantage of Looking, Smelling, and Tasting Good: The Metabolic Network that Produces Signals for Pollinators. Trends in Plant Science, 2017, 22, 338-350.	4.3	67
68	Identification of a drimenol synthase and drimenol oxidase from Persicaria hydropiper, involved in the biosynthesis of insect deterrent drimanes. Plant Journal, 2017, 90, 1052-1063.	2.8	15
69	Mutation in sorghum LOW GERMINATION STIMULANT 1 alters strigolactones and causes Striga resistance. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4471-4476.	3.3	172
70	SIEVE ELEMENT-LINING CHAPERONE1 Restricts Aphid Feeding on Arabidopsis during Heat Stress. Plant Cell, 2017, 29, 2450-2464.	3.1	38
71	Rhizobacterial community structure differences among sorghum cultivars in different growth stages and soils. FEMS Microbiology Ecology, 2017, 93, .	1.3	143
72	Î²-caryophyllene emitted from a transgenic Arabidopsis or chemical dispenser repels Diaphorina citri, vector of Candidatus Liberibacters. Scientific Reports, 2017, 7, 5639.	1.6	59

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73	Genetic architecture of plant stress resistance: multiâ€trait genomeâ€wide association mapping. New Phytologist, 2017, 213, 1346-1362.	3.5	144
74	The Role of Endogenous Strigolactones and Their Interaction with ABA during the Infection Process of the Parasitic Weed Phelipanche ramosa in Tomato Plants. Frontiers in Plant Science, 2017, 8, 392.	1.7	51
75	Stable Production of the Antimalarial Drug Artemisinin in the Moss Physcomitrella patens. Frontiers in Bioengineering and Biotechnology, 2017, 5, 47.	2.0	54
76	18-Hydroxydolabella-3,7-diene synthase â€“ a diterpene synthase from Chitinophaga pinensis. Beilstein Journal of Organic Chemistry, 2017, 13, 1770-1780.	1.3	31
77	Floral Volatiles in Parasitic Plants of the Orobanchaceae. Ecological and Taxonomic Implications. Frontiers in Plant Science, 2016, 7, 312.	1.7	12
78	Monoterpene biosynthesis potential of plant subcellular compartments. New Phytologist, 2016, 209, 679-690.	3.5	59
79	Characterization of Low-Strigolactone Germplasm in Pea (Pisum sativum L.) Resistant to Crenate Broomrape (Orobanche crenata Forsk.). Molecular Plant-Microbe Interactions, 2016, 29, 743-749.	1.4	37
80	Low-Phosphate Induction of Plastidal Stromules Is Dependent on Strigolactones But Not on the Canonical Strigolactone Signaling Component MAX2. Plant Physiology, 2016, 172, 2235-2244.	2.3	23
81	AtWRKY22 promotes susceptibility to aphids and modulates salicylic acid and jasmonic acid signalling. Journal of Experimental Botany, 2016, 67, 3383-3396.	2.4	121
82	Evaluation of field resistance to Striga hermonthica (Del.) Benth. in Sorghum bicolor (L.) Moench. The relationship with strigolactones. Pest Management Science, 2016, 72, 2082-2090.	1.7	28
83	The Î±-Terpineol to 1,8-Cineole Cyclization Reaction of Tobacco Terpene Synthases. Plant Physiology, 2016, 172, 2120-2131.	2.3	19
84	Transient production of artemisinin in Nicotiana benthamiana is boosted by a specific lipid transfer protein from A. annua. Metabolic Engineering, 2016, 38, 159-169.	3.6	84
85	Strigolactones and parasitic weed management 50 years after the discovery of the first natural strigolactone strigol: status and outlook. Pest Management Science, 2016, 72, 2013-2015.	1.7	22
86	Metabolomics in the Rhizosphere: Tapping into Belowground Chemical Communication. Trends in Plant Science, 2016, 21, 256-265.	4.3	470
87	Genome-Wide Association Mapping and Genomic Prediction Elucidate the Genetic Architecture of Morphological Traits in Arabidopsis. Plant Physiology, 2016, 170, 2187-2203.	2.3	77
88	Biotechnological production of limonene in microorganisms. Applied Microbiology and Biotechnology, 2016, 100, 2927-2938.	1.7	136
89	Standards for plant synthetic biology: a common syntax for exchange of <scp>DNA</scp> parts. New Phytologist, 2015, 208, 13-19.	3.5	263
90	Large-Scale Evolutionary Analysis of Genes and Supergene Clusters from Terpenoid Modular Pathways Provides Insights into Metabolic Diversification in Flowering Plants. PLoS ONE, 2015, 10, e0128808.	1.1	19

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91	Engineering the plant rhizosphere. Current Opinion in Biotechnology, 2015, 32, 136-142.	3.3	70
92	Asymmetric Localizations of the ABC Transporter PaPDR1 Trace Paths of Directional Strigolactone Transport. Current Biology, 2015, 25, 647-655.	1.8	117
93	Strigolactones, a Novel Carotenoid-Derived Plant Hormone. Annual Review of Plant Biology, 2015, 66, 161-186.	8.6	658
94	Osmotic stress represses strigolactone biosynthesis in Lotus japonicus roots: exploring the interaction between strigolactones and ABA under abiotic stress. Planta, 2015, 241, 1435-1451.	1.6	178
95	SNARE-RNAi Results in Higher Terpene Emission from Ectopically Expressed Caryophyllene Synthase in Nicotiana benthamiana. Molecular Plant, 2015, 8, 454-466.	3.9	12
96	Root phenotyping: from component trait in the lab to breeding: Table 1.. Journal of Experimental Botany, 2015, 66, 5389-5401.	2.4	163
97	Parasitic Plants <i>Striga</i> and <i>Phelipanche</i> Dependent upon Exogenous Strigolactones for Germination Have Retained Genes for Strigolactone Biosynthesis. American Journal of Plant Sciences, 2015, 06, 1151-1166.	0.3	12
98	Rhizobium Lipo-chitooligosaccharide Signaling Triggers Accumulation of Cytokinins in Medicago truncatula Roots. Molecular Plant, 2015, 8, 1213-1226.	3.9	146
99	Ecological relevance of strigolactones in nutrient uptake and other abiotic stresses, and in plant-microbe interactions below-ground. Plant and Soil, 2015, 394, 1-19.	1.8	84
100	Thermoperiodic Control of Hypocotyl Elongation Depends on Auxin-Induced Ethylene Signaling That Controls Downstream PHYTOCHROME INTERACTING FACTOR3 Activity. Plant Physiology, 2015, 167, 517-530.	2.3	33
101	(+)â€Valencene production in Nicotiana benthamiana is increased by downâ€regulation of competing pathways. Biotechnology Journal, 2015, 10, 180-189.	1.8	54
102	The importance of a sterile rhizosphere when phenotyping for root exudation. Plant and Soil, 2015, 387, 131-142.	1.8	43
103	Differential Activity of Striga hermonthica Seed Germination Stimulants and Gigaspora rosea Hyphal Branching Factors in Rice and Their Contribution to Underground Communication. PLoS ONE, 2014, 9, e104201.	1.1	14
104	Natural variation of rice strigolactone biosynthesis is associated with the deletion of two MAX1 orthologs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2379-2384.	3.3	138
105	Assessment of pleiotropic transcriptome perturbations in Arabidopsis engineered for indirect insect defence. BMC Plant Biology, 2014, 14, 170.	1.6	5
106	Biosynthesis, regulation, and domestication of bitterness in cucumber. Science, 2014, 346, 1084-1088.	6.0	388
107	Production of guaianolides in Agrobacterium rhizogenes - transformed chicory regenerants flowering in vitro. Industrial Crops and Products, 2014, 60, 52-59.	2.5	13
108	Capturing of the monoterpene olefin limonene produced inSaccharomyces cerevisiae. Yeast, 2014, 32, n/a-n/a.	0.8	62

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109	Valencene oxidase CYP706M1 from Alaska cedar (Callitropsis nootkatensis). FEBS Letters, 2014, 588, 1001-1007.	1.3	50
110	Metabolic engineering of volatile isoprenoids in plants and microbes. Plant, Cell and Environment, 2014, 37, 1753-1775.	2.8	110
111	Cytochrome P450s from Cynara cardunculus L. CYP71AV9 and CYP71BL5, catalyze distinct hydroxylations in the sesquiterpene lactone biosynthetic pathway. Plant Science, 2014, 223, 59-68.	1.7	55
112	Comparison of plant-based expression platforms for the heterologous production of geraniol. Plant Cell, Tissue and Organ Culture, 2014, 117, 373.	1.2	28
113	Evaluation of tobacco (Nicotiana tabacum L. cv. Petit Havana SR1) hairy roots for the production of geraniol, the first committed step in terpenoid indole alkaloid pathway. Journal of Biotechnology, 2014, 176, 20-28.	1.9	36
114	Natural products â€“ learning chemistry from plants. Biotechnology Journal, 2014, 9, 326-336.	1.8	43
115	Elucidation and in planta reconstitution of the parthenolide biosynthetic pathway. Metabolic Engineering, 2014, 23, 145-153.	3.6	68
116	Rice cytochrome P450 MAX1 homologs catalyze distinct steps in strigolactone biosynthesis. Nature Chemical Biology, 2014, 10, 1028-1033.	3.9	340
117	OsJAR1 is required for JA-regulated floret opening and anther dehiscence in rice. Plant Molecular Biology, 2014, 86, 19-33.	2.0	85
118	Valencene synthase from the heartwood of <scp>N</scp>ootka cypress (<scp>C</scp>allitropsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 12, 174-182.	4.1	115
119	Comparative antifeedant activities of polygodial and pyrethrins against whiteflies (Bemisia) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.7	19
120	The seco-iridoid pathway from Catharanthus roseus. Nature Communications, 2014, 5, 3606.	5.8	355
121	<scp>S</scp>triga hermonthica <scp>MAX</scp>2 restores branching but not the <scp>V</scp>ery <scp>L</scp>ow <scp>F</scp>luence <scp>R</scp>esponse in the <scp>A</scp>rabidopsis thaliana max2 mutant. New Phytologist, 2014, 202, 531-541.	3.5	40
122	Artemisinin production and precursor ratio in full grown Artemisia annua L. plants subjected to external stress. Planta, 2013, 237, 955-966.	1.6	21
123	Geraniol hydroxylase and hydroxygeraniol oxidase activities of the CYP76 family of cytochrome P450 enzymes and potential for engineering the early steps of the (seco)iridoid pathway. Metabolic Engineering, 2013, 20, 221-232.	3.6	80
124	A Trichomeâ€Specific Linoleate Lipoxygenase Expressed During Pyrethrin Biosynthesis in Pyrethrum. Lipids, 2013, 48, 1005-1015.	0.7	22
125	Genetical, developmental and spatial factors influencing parthenolide and its precursor costunolide in feverfew (Tanacetum parthenium L. Schulz Bip.). Industrial Crops and Products, 2013, 47, 270-276.	2.5	15
126	CAROTENOID CLEAVAGE DIOXYGENASE 7 modulates plant growth, reproduction, senescence, and determinate nodulation in the model legume Lotus japonicus. Journal of Experimental Botany, 2013, 64, 1967-1981.	2.4	114

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127	The biology of strigolactones. Trends in Plant Science, 2013, 18, 72-83.	4.3	318
128	Genetic analysis of metabolomeâ€“phenotype interactions: from model to crop species. Trends in Genetics, 2013, 29, 41-50.	2.9	111
129	New strigolactone mimics: Structureâ€“activity relationship and mode of action as germinating stimulants for parasitic weeds. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5182-5186.	1.0	50
130	Three-step pathway engineering results in more incidence rate and higher emission of nerolidol and improved attraction of Diadegma semiclausum. Metabolic Engineering, 2013, 15, 88-97.	3.6	35
131	The metabolite chemotype of <scp>N</scp>icotiana benthamiana transiently expressing artemisinin biosynthetic pathway genes is a function of <scp>CYP</scp>71<scp>AV</scp>1 type and relative gene dosage. New Phytologist, 2013, 199, 352-366.	3.5	71
132	Natural products â€“ modifying metabolite pathways in plants. Biotechnology Journal, 2013, 8, 1159-1171.	1.8	70
133	Characterization of two geraniol synthases from Valeriana officinalis and Lippia dulcis: Similar activity but difference in subcellular localization. Metabolic Engineering, 2013, 20, 198-211.	3.6	82
134	Tailor-made fructan synthesis in plants: A review. Carbohydrate Polymers, 2013, 93, 48-56.	5.1	51
135	Relation between HLA genes, human skin volatiles and attractiveness of humans to malaria mosquitoes. Infection, Genetics and Evolution, 2013, 18, 87-93.	1.0	41
136	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. Pest Management Science, 2013, 69, 302-311.	1.7	43
137	System-Wide Hypersensitive Response-Associated Transcriptome and Metabolome Reprogramming in Tomato Â Â. Plant Physiology, 2013, 162, 1599-1617.	2.3	41
138	Biosynthesis of Sesquiterpene Lactones in Pyrethrum (Tanacetum cinerariifolium). PLoS ONE, 2013, 8, e65030.	1.1	57
139	Detoxification of Î±â€tomatine by <scp>C</scp>ladosporium fulvum is required for full virulence on tomato. New Phytologist, 2013, 198, 1203-1214.	3.5	99
140	Gene Coexpression Analysis Reveals Complex Metabolism of the Monoterpene Alcohol Linalool inArabidopsisFlowers Â. Plant Cell, 2013, 25, 4640-4657.	3.1	104
141	Tomato strigolactones. Plant Signaling and Behavior, 2013, 8, e22785.	1.2	26
142	Antiphase Light and Temperature Cycles Affect PHYTOCHROME B-Controlled Ethylene Sensitivity and Biosynthesis, Limiting Leaf Movement and Growth of Arabidopsis. Plant Physiology, 2013, 163, 882-895.	2.3	28
143	The interaction between strigolactones and other plant hormones in the regulation of plant development. Frontiers in Plant Science, 2013, 4, 199.	1.7	126
144	Induction of Germination. , 2013, , 167-194.		21

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145	Bidirectional Secretions from Glandular Trichomes of Pyrethrum Enable Immunization of Seedlings. Plant Cell, 2012, 24, 4252-4265.	3.1	62
146	The effects of auxin and strigolactones on tuber initiation and stolon architecture in potato. Journal of Experimental Botany, 2012, 63, 4539-4547.	2.4	121
147	Untargeted Metabolic Quantitative Trait Loci Analyses Reveal a Relationship between Primary Metabolism and Potato Tuber Quality Â Â. Plant Physiology, 2012, 158, 1306-1318.	2.3	119
148	The tomato <scp>CAROTENOID CLEAVAGE DIOXYGENASE</scp>8 (<scp>S</scp>l<scp>CCD</scp>8) regulates rhizosphere signaling, plant architecture and affects reproductive development through strigolactone biosynthesis. New Phytologist, 2012, 196, 535-547.	3.5	250
149	Function of the HD-Zip I gene Oshox22 in ABA-mediated drought and salt tolerances in rice. Plant Molecular Biology, 2012, 80, 571-585.	2.0	165
150	Sink filling, inulin metabolizing enzymes and carbohydrate status in field grown chicory (Cichorium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	50
151	Genetic mapping and characterization of the globe artichoke (+)-germacrene A synthase gene, encoding the first dedicated enzyme for biosynthesis of the bitter sesquiterpene lactone cynaropicrin. Plant Science, 2012, 190, 1-8.	1.7	45
152	Association mapping of plant resistance to insects. Trends in Plant Science, 2012, 17, 311-319.	4.3	63
153	Strigolactones affect development in primitive plants. The missing link between plants and arbuscular mycorrhizal fungi?. New Phytologist, 2012, 195, 730-733.	3.5	15
154	ABA-deficiency results in reduced plant and fruit size in tomato. Journal of Plant Physiology, 2012, 169, 878-883.	1.6	97
155	OSCILLATOR: A system for analysis of diurnal leaf growth using infrared photography combined with wavelet transformation. Plant Methods, 2012, 8, 29.	1.9	31
156	Communication in the Rhizosphere, a Target for Pest Management. , 2012, , 109-133.		15
157	Emission index for evaluation of volatile organic compounds emitted from tomato plants in greenhouses. Biosystems Engineering, 2012, 113, 220-228.	1.9	14
158	The Path from Î²-Carotene to Carlactone, a Strigolactone-Like Plant Hormone. Science, 2012, 335, 1348-1351.	6.0	809
159	A petunia ABC protein controls strigolactone-dependent symbiotic signalling and branching. Nature, 2012, 483, 341-344.	13.7	502
160	Characterization of the natural variation in Arabidopsis thaliana metabolome by the analysis of metabolic distance. Metabolomics, 2012, 8, 131-145.	1.4	38
161	Herbivore-Mediated Effects of Glucosinolates on Different Natural Enemies of a Specialist Aphid. Journal of Chemical Ecology, 2012, 38, 100-115.	0.9	77
162	Genetic variation in strigolactone production and tillering in rice and its effect on Striga hermonthica infection. Planta, 2012, 235, 473-484.	1.6	69

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163	Strigolactones: A Cry for Help Results in Fatal Attraction. Is Escape Possible?. , 2012, , 199-211.		0
164	Strigolactones: a new musician in the orchestra of plant hormones. Botany, 2011, 89, 827-840.	0.5	27
165	Detection of Diseased Plants by Analysis of Volatile Organic Compound Emission. Annual Review of Phytopathology, 2011, 49, 157-174.	3.5	101
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