

Harro J Bouwmeester

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

19,509
citations

74
h-index

134
g-index

267
ext. papers

23,314
ext. citations

7.6
avg, IF

6.77
L-index

#	Paper	IF	Citations
246	A carlactonoic acid methyltransferase that contributes to the inhibition of shoot branching in .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2111565119	11.5	3
245	UPLC-MS/MS analysis and biological activity of the potato cyst nematode hatching stimulant, solanoeclipin A, in the root exudate of <i>Solanum</i> spp. <i>Planta</i> , 2021 , 254, 112	4.7	1
244	On the role of dauer in the adaptation of nematodes to a parasitic lifestyle. <i>Parasites and Vectors</i> , 2021 , 14, 554	4	1
243	Adaptation of the parasitic plant lifecycle: germination is controlled by essential host signaling molecules. <i>Plant Physiology</i> , 2021 , 185, 1292-1308	6.6	12
242	Integrating structure-based machine learning and co-evolution to investigate specificity in plant sesquiterpene synthases. <i>PLoS Computational Biology</i> , 2021 , 17, e1008197	5	1
241	Engineered Orange Ectopically Expressing the Arabidopsis β Caryophyllene Synthase Is Not Attractive to , the Vector of the Bacterial Pathogen Associated to Huanglongbing. <i>Frontiers in Plant Science</i> , 2021 , 12, 641457	6.2	7
240	Characterization of maize root microbiome in two different soils by minimizing plant DNA contamination in metabarcoding analysis. <i>Biology and Fertility of Soils</i> , 2021 , 57, 731-737	6.1	3
239	Strigolactones regulate sepal senescence in Arabidopsis. <i>Journal of Experimental Botany</i> , 2021 , 72, 5462-5477	5.477	5
238	Plant lipids enticed fungi to mutualism. <i>Science</i> , 2021 , 372, 789-790	33.3	1
237	Phosphate Suppression of Arbuscular Mycorrhizal Symbiosis Involves Gibberellic Acid Signaling. <i>Plant and Cell Physiology</i> , 2021 , 62, 959-970	4.9	9
236	Drought tolerance in selected aerobic and upland rice varieties is driven by different metabolic and antioxidative responses. <i>Planta</i> , 2021 , 254, 13	4.7	3
235	Are sesquiterpene lactones the elusive KARRIKIN-INSENSITIVE2 ligand?. <i>Planta</i> , 2021 , 253, 54	4.7	2
234	The role of strigolactones in P deficiency induced transcriptional changes in tomato roots. <i>BMC Plant Biology</i> , 2021 , 21, 349	5.3	4
233	Integration of omics data to unravel root microbiome recruitment. <i>Current Opinion in Biotechnology</i> , 2021 , 70, 255-261	11.4	5
232	Metabolic interactions in beneficial microbe recruitment by plants. <i>Current Opinion in Biotechnology</i> , 2021 , 70, 241-247	11.4	7
231	Characterization of growth and development of sorghum genotypes with differential susceptibility to <i>Striga hermonthica</i> . <i>Journal of Experimental Botany</i> , 2021 , 72, 7970-7983	7	1
230	The santalene synthase from <i>Cinnamomum camphora</i> : Reconstruction of a sesquiterpene synthase from a monoterpene synthase. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 695, 108647	4.1	5

229	Novel routes towards bioplastics from plants: elucidation of the methylperillate biosynthesis pathway from <i>Salvia dorisiana</i> trichomes. <i>Journal of Experimental Botany</i> , 2020 , 71, 3052-3065	7	7
228	Science and application of strigolactones. <i>New Phytologist</i> , 2020 , 227, 1001-1011	9.8	22
227	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. <i>Nature Communications</i> , 2020 , 11, 2114	17.4	56
226	Silencing of germacrene A synthase genes reduces guaianolide oxalate content in <i>L. GM Crops and Food</i> , 2020 , 11, 54-66	2.7	4
225	Association mapping and genetic dissection of drought-induced canopy temperature differences in rice. <i>Journal of Experimental Botany</i> , 2020 , 71, 1614-1627	7	11
224	The Effect of Virulence and Resistance Mechanisms on the Interactions between Parasitic Plants and Their Hosts. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
223	An improved strategy to analyse strigolactones in complex sample matrices using UHPLC-MS/MS. <i>Plant Methods</i> , 2020 , 16, 125	5.8	14
222	Biomarkers for grain yield stability in rice under drought stress. <i>Journal of Experimental Botany</i> , 2020 , 71, 669-683	7	36
221	Combined transcriptome and metabolome analysis identifies defence responses in spider mite-infested pepper (<i>Capsicum annuum</i>). <i>Journal of Experimental Botany</i> , 2020 , 71, 330-343	7	25
220	Transcriptional and metabolite analysis reveal a shift in direct and indirect defences in response to spider-mite infestation in cucumber (<i>Cucumis sativus</i>). <i>Plant Molecular Biology</i> , 2020 , 103, 489-505	4.6	9
219	Design, Synthesis and Biological Evaluation of Strigolactone and Strigolactam Derivatives for Potential Crop Enhancement Applications in Modern Agriculture. <i>Chimia</i> , 2019 , 73, 549-560	1.3	10
218	A CLE-SUNN module regulates strigolactone content and fungal colonization in arbuscular mycorrhiza. <i>Nature Plants</i> , 2019 , 5, 933-939	11.5	25
217	Role and exploitation of underground chemical signaling in plants. <i>Pest Management Science</i> , 2019 , 75, 2455-2463	4.6	10
216	Dissecting the pine tree green chemical factory. <i>Journal of Experimental Botany</i> , 2019 , 70, 4-6	7	3
215	Distinct roles for strigolactones in cyst nematode parasitism of <i>Arabidopsis</i> roots. <i>European Journal of Plant Pathology</i> , 2019 , 154, 129-140	2.1	12
214	Strigolactones and Parasitic Plants 2019 , 89-120		6
213	Strigolactone Biosynthesis and Signal Transduction 2019 , 1-45		10
212	The role of volatiles in plant communication. <i>Plant Journal</i> , 2019 , 100, 892-907	6.9	66

211	Strigolactone: Pflanzenhormone mit vielversprechenden Eigenschaften. <i>Angewandte Chemie</i> , 2019 , 131, 12909-12917	3.6	2
210	Strigolactones: Plant Hormones with Promising Features. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12778-12786	16.4	25
209	Insights into Heterologous Biosynthesis of Arteannuin B and Artemisinin in. <i>Molecules</i> , 2019 , 24,	4.8	9
208	Plant host and drought shape the root associated fungal microbiota in rice. <i>PeerJ</i> , 2019 , 7, e7463	3.1	12
207	Substrate promiscuity of enzymes from the sesquiterpene biosynthetic pathways from <i>Artemisia annua</i> and <i>Tanacetum parthenium</i> allows for novel combinatorial sesquiterpene production. <i>Metabolic Engineering</i> , 2019 , 54, 12-23	9.7	12
206	Tissue specific expression and genomic organization of bitter sesquiterpene lactone biosynthesis in <i>Cichorium intybus</i> L. (Asteraceae). <i>Industrial Crops and Products</i> , 2019 , 129, 253-260	5.9	4
205	An analysis of characterized plant sesquiterpene synthases. <i>Phytochemistry</i> , 2019 , 158, 157-165	4	19
204	Structural diversity in the strigolactones. <i>Journal of Experimental Botany</i> , 2018 , 69, 2219-2230	7	60
203	Engineering storage capacity for volatile sesquiterpenes in <i>Nicotiana benthamiana</i> leaves. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1997-2006	11.6	12
202	The tomato MAX1 homolog, SlMAX1, is involved in the biosynthesis of tomato strigolactones from carlactone. <i>New Phytologist</i> , 2018 , 219, 297-309	9.8	35
201	Zeapyranolactone A novel strigolactone from maize. <i>Phytochemistry Letters</i> , 2018 , 24, 172-178	1.9	27
200	Genetic variation in <i>Sorghum bicolor</i> strigolactones and their role in resistance against <i>Striga hermonthica</i> . <i>Journal of Experimental Botany</i> , 2018 , 69, 2415-2430	7	21
199	The interaction of strigolactones with abscisic acid during the drought response in rice. <i>Journal of Experimental Botany</i> , 2018 , 69, 2403-2414	7	49
198	Abscisic acid influences tillering by modulation of strigolactones in barley. <i>Journal of Experimental Botany</i> , 2018 , 69, 3883-3898	7	20
197	The Use of Metabolomics to Elucidate Resistance Markers against Damson-Hop Aphid. <i>Journal of Chemical Ecology</i> , 2018 , 44, 711-726	2.7	5
196	Functional analysis of the HD-Zip transcription factor genes Oshox12 and Oshox14 in rice. <i>PLoS ONE</i> , 2018 , 13, e0199248	3.7	15
195	<i>Agrobacterium rhizogenes</i> transformed calli of the holoparasitic plant <i>Phelipanche ramosa</i> maintain parasitic competence. <i>Plant Cell, Tissue and Organ Culture</i> , 2018 , 135, 321-329	2.7	9
194	Kauniolide synthase is a P450 with unusual hydroxylation and cyclization-elimination activity. <i>Nature Communications</i> , 2018 , 9, 4657	17.4	13

193	Can witchweed be wiped out?. <i>Science</i> , 2018 , 362, 1248-1249	33.3	0
192	Functional intron-derived miRNAs and host-gene expression in plants. <i>Plant Methods</i> , 2018 , 14, 83	5.8	5
191	Identification of the Bisabolol Synthase in the Endangered Candeia Tree ((DC) McLeisch). <i>Frontiers in Plant Science</i> , 2018 , 9, 1340	6.2	8
190	Zealactones. Novel natural strigolactones from maize. <i>Phytochemistry</i> , 2017 , 137, 123-131	4	61
189	The Sexual Advantage of Looking, Smelling, and Tasting Good: The Metabolic Network that Produces Signals for Pollinators. <i>Trends in Plant Science</i> , 2017 , 22, 338-350	13.1	42
188	Identification of a drimenol synthase and drimenol oxidase from <i>Persicaria hydropiper</i> , involved in the biosynthesis of insect deterrent drimanes. <i>Plant Journal</i> , 2017 , 90, 1052-1063	6.9	8
187	Mutation in sorghum alters strigolactones and causes resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4471-4476	11.5	113
186	SIEVE ELEMENT-LINING CHAPERONE1 Restricts Aphid Feeding on Arabidopsis during Heat Stress. <i>Plant Cell</i> , 2017 , 29, 2450-2464	11.6	23
185	18-Hydroxydolabella-3,7-diene synthase - a diterpene synthase from. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1770-1780	2.5	20
184	Rhizobacterial community structure differences among sorghum cultivars in different growth stages and soils. <i>FEMS Microbiology Ecology</i> , 2017 , 93,	4.3	90
183	Ecaryophyllene emitted from a transgenic Arabidopsis or chemical dispenser repels <i>Diaphorina citri</i> , vector of <i>Candidatus Liberibacter</i> . <i>Scientific Reports</i> , 2017 , 7, 5639	4.9	31
182	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , 2017 , 213, 1346-1362	9.8	99
181	The Role of Endogenous Strigolactones and Their Interaction with ABA during the Infection Process of the Parasitic Weed in Tomato Plants. <i>Frontiers in Plant Science</i> , 2017 , 8, 392	6.2	15
180	Stable Production of the Antimalarial Drug Artemisinin in the Moss. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017 , 5, 47	5.8	39
179	Transient production of artemisinin in <i>Nicotiana benthamiana</i> is boosted by a specific lipid transfer protein from <i>A. annua</i> . <i>Metabolic Engineering</i> , 2016 , 38, 159-169	9.7	56
178	Metabolomics in the Rhizosphere: Tapping into Belowground Chemical Communication. <i>Trends in Plant Science</i> , 2016 , 21, 256-265	13.1	313
177	Genome-Wide Association Mapping and Genomic Prediction Elucidate the Genetic Architecture of Morphological Traits in Arabidopsis. <i>Plant Physiology</i> , 2016 , 170, 2187-203	6.6	47
176	Biotechnological production of limonene in microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2927-38	5.7	80

175	Floral Volatiles in Parasitic Plants of the Orobanchaceae. Ecological and Taxonomic Implications. <i>Frontiers in Plant Science</i> , 2016 , 7, 312	6.2	6
174	Monoterpene biosynthesis potential of plant subcellular compartments. <i>New Phytologist</i> , 2016 , 209, 679-90	9.8	34
173	Characterization of Low-Strigolactone Germplasm in Pea (<i>Pisum sativum</i> L.) Resistant to Crenate Broomrape (<i>Orobanche crenata</i> Forsk.). <i>Molecular Plant-Microbe Interactions</i> , 2016 , 29, 743-749	3.6	25
172	Low-Phosphate Induction of Plastidal Stromules Is Dependent on Strigolactones But Not on the Canonical Strigolactone Signaling Component MAX2. <i>Plant Physiology</i> , 2016 , 172, 2235-2244	6.6	18
171	AtWRKY22 promotes susceptibility to aphids and modulates salicylic acid and jasmonic acid signalling. <i>Journal of Experimental Botany</i> , 2016 , 67, 3383-96	7	62
170	Evaluation of field resistance to <i>Striga hermonthica</i> (Del.) Benth. in <i>Sorghum bicolor</i> (L.) Moench. The relationship with strigolactones. <i>Pest Management Science</i> , 2016 , 72, 2082-2090	4.6	23
169	The Terpeneol to 1,8-Cineole Cyclization Reaction of Tobacco Terpene Synthases. <i>Plant Physiology</i> , 2016 , 172, 2120-2131	6.6	14
168	Osmotic stress represses strigolactone biosynthesis in <i>Lotus japonicus</i> roots: exploring the interaction between strigolactones and ABA under abiotic stress. <i>Planta</i> , 2015 , 241, 1435-51	4.7	124
167	SNARE-RNAi results in higher terpene emission from ectopically expressed caryophyllene synthase in <i>Nicotiana benthamiana</i> . <i>Molecular Plant</i> , 2015 , 8, 454-66	14.4	10
166	Root phenotyping: from component trait in the lab to breeding. <i>Journal of Experimental Botany</i> , 2015 , 66, 5389-401	7	120
165	Parasitic Plants <i>Striga</i> and <i>Phelipanche</i> Dependent upon Exogenous Strigolactones for Germination Have Retained Genes for Strigolactone Biosynthesis. <i>American Journal of Plant Sciences</i> , 2015 , 06, 1151-1166	0.5	9
164	Rhizobium Lipo-chitooligosaccharide Signaling Triggers Accumulation of Cytokinins in <i>Medicago truncatula</i> Roots. <i>Molecular Plant</i> , 2015 , 8, 1213-26	14.4	88
163	Ecological relevance of strigolactones in nutrient uptake and other abiotic stresses, and in plant-microbe interactions below-ground. <i>Plant and Soil</i> , 2015 , 394, 1-19	4.2	51
162	Thermoperiodic control of hypocotyl elongation depends on auxin-induced ethylene signaling that controls downstream PHYTOCHROME INTERACTING FACTOR3 activity. <i>Plant Physiology</i> , 2015 , 167, 517-30	6.6	22
161	(+)-Valencene production in <i>Nicotiana benthamiana</i> is increased by down-regulation of competing pathways. <i>Biotechnology Journal</i> , 2015 , 10, 180-9	5.6	37
160	The importance of a sterile rhizosphere when phenotyping for root exudation. <i>Plant and Soil</i> , 2015 , 387, 131-142	4.2	30
159	Standards for plant synthetic biology: a common syntax for exchange of DNA parts. <i>New Phytologist</i> , 2015 , 208, 13-9	9.8	167
158	Large-Scale Evolutionary Analysis of Genes and Supergene Clusters from Terpenoid Modular Pathways Provides Insights into Metabolic Diversification in Flowering Plants. <i>PLoS ONE</i> , 2015 , 10, e0128808	3.7	12

157	Engineering the plant rhizosphere. <i>Current Opinion in Biotechnology</i> , 2015 , 32, 136-142	11.4	56
156	Asymmetric localizations of the ABC transporter PaPDR1 trace paths of directional strigolactone transport. <i>Current Biology</i> , 2015 , 25, 647-55	6.3	96
155	Strigolactones, a novel carotenoid-derived plant hormone. <i>Annual Review of Plant Biology</i> , 2015 , 66, 161-86	3.7	451
154	Capturing of the monoterpene olefin limonene produced in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2015 , 32, 159-71	3.4	53
153	Metabolic engineering of volatile isoprenoids in plants and microbes. <i>Plant, Cell and Environment</i> , 2014 , 37, 1753-75	8.4	92
152	Cytochrome P450s from <i>Cynara cardunculus</i> L. CYP71AV9 and CYP71BL5, catalyze distinct hydroxylations in the sesquiterpene lactone biosynthetic pathway. <i>Plant Science</i> , 2014 , 223, 59-68	5.3	39
151	Comparison of plant-based expression platforms for the heterologous production of geraniol. <i>Plant Cell, Tissue and Organ Culture</i> , 2014 , 117, 373	2.7	21
150	Evaluation of tobacco (<i>Nicotiana tabacum</i> L. cv. Petit Havana SR1) hairy roots for the production of geraniol, the first committed step in terpenoid indole alkaloid pathway. <i>Journal of Biotechnology</i> , 2014 , 176, 20-8	3.7	27
149	Natural products learning chemistry from plants. <i>Biotechnology Journal</i> , 2014 , 9, 326-36	5.6	33
148	Elucidation and in planta reconstitution of the parthenolide biosynthetic pathway. <i>Metabolic Engineering</i> , 2014 , 23, 145-53	9.7	50
147	Rice cytochrome P450 MAX1 homologs catalyze distinct steps in strigolactone biosynthesis. <i>Nature Chemical Biology</i> , 2014 , 10, 1028-33	11.7	230
146	OsJAR1 is required for JA-regulated floret opening and anther dehiscence in rice. <i>Plant Molecular Biology</i> , 2014 , 86, 19-33	4.6	52
145	Valencene synthase from the heartwood of Nootka cypress (<i>Callitropsis nootkatensis</i>) for biotechnological production of valencene. <i>Plant Biotechnology Journal</i> , 2014 , 12, 174-82	11.6	80
144	Comparative antifeedant activities of polygodial and pyrethrins against whiteflies (<i>Bemisia tabaci</i>) and aphids (<i>Myzus persicae</i>). <i>Pest Management Science</i> , 2014 , 70, 682-8	4.6	12
143	The seco-iridoid pathway from <i>Catharanthus roseus</i> . <i>Nature Communications</i> , 2014 , 5, 3606	17.4	250
142	<i>Striga hermonthica</i> MAX2 restores branching but not the Very Low Fluence Response in the <i>Arabidopsis thaliana</i> max2 mutant. <i>New Phytologist</i> , 2014 , 202, 531-541	9.8	36
141	Fructan Biosynthesis Regulation and the Production of Tailor-Made Fructan in Plants 2014 , 1-30		0
140	Differential activity of <i>Striga hermonthica</i> seed germination stimulants and <i>Gigaspora rosea</i> hyphal branching factors in rice and their contribution to underground communication. <i>PLoS ONE</i> , 2014 , 9, e104201	3.7	11

139	Natural variation of rice strigolactone biosynthesis is associated with the deletion of two MAX1 orthologs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2379-84	11.5	96
138	Assessment of pleiotropic transcriptome perturbations in Arabidopsis engineered for indirect insect defence. <i>BMC Plant Biology</i> , 2014 , 14, 170	5.3	5
137	Plant science. Biosynthesis, regulation, and domestication of bitterness in cucumber. <i>Science</i> , 2014 , 346, 1084-8	33.3	254
136	Production of guaianolides in <i>Agrobacterium rhizogenes</i> - transformed chicory regenerants flowering in vitro. <i>Industrial Crops and Products</i> , 2014 , 60, 52-59	5.9	11
135	Valencene oxidase CYP706M1 from Alaska cedar (<i>Callitropsis nootkatensis</i>). <i>FEBS Letters</i> , 2014 , 588, 1001-7	3.8	37
134	Artemisinin production and precursor ratio in full grown <i>Artemisia annua</i> L. plants subjected to external stress. <i>Planta</i> , 2013 , 237, 955-66	4.7	18
133	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. <i>Metabolic Engineering</i> , 2013 , 20, 221-32	9.7	63
132	A trichome-specific linoleate lipoxygenase expressed during pyrethrin biosynthesis in pyrethrum. <i>Lipids</i> , 2013 , 48, 1005-15	1.6	17
131	Genetical, developmental and spatial factors influencing parthenolide and its precursor costunolide in feverfew (<i>Tanacetum parthenium</i> L. Schulz Bip.). <i>Industrial Crops and Products</i> , 2013 , 47, 270-276	5.9	12
130	Carotenoid cleavage dioxygenase 7 modulates plant growth, reproduction, senescence, and determinate nodulation in the model legume <i>Lotus japonicus</i> . <i>Journal of Experimental Botany</i> , 2013 , 64, 1967-81	7	84
129	The biology of strigolactones. <i>Trends in Plant Science</i> , 2013 , 18, 72-83	13.1	245
128	Genetic analysis of metabolome-phenotype interactions: from model to crop species. <i>Trends in Genetics</i> , 2013 , 29, 41-50	8.5	89
127	New strigolactone mimics: structure-activity relationship and mode of action as germinating stimulants for parasitic weeds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5182-6	2.9	42
126	Three-step pathway engineering results in more incidence rate and higher emission of nerolidol and improved attraction of <i>Diadegma semiclausum</i> . <i>Metabolic Engineering</i> , 2013 , 15, 88-97	9.7	19
125	The metabolite chemotype of <i>Nicotiana benthamiana</i> transiently expressing artemisinin biosynthetic pathway genes is a function of CYP71AV1 type and relative gene dosage. <i>New Phytologist</i> , 2013 , 199, 352-366	9.8	55
124	Natural products - modifying metabolite pathways in plants. <i>Biotechnology Journal</i> , 2013 , 8, 1159-71	5.6	52
123	Characterization of two geraniol synthases from <i>Valeriana officinalis</i> and <i>Lippia dulcis</i> : similar activity but difference in subcellular localization. <i>Metabolic Engineering</i> , 2013 , 20, 198-211	9.7	57
122	Tailor-made fructan synthesis in plants: a review. <i>Carbohydrate Polymers</i> , 2013 , 93, 48-56	10.3	38

121	Relation between HLA genes, human skin volatiles and attractiveness of humans to malaria mosquitoes. <i>Infection, Genetics and Evolution</i> , 2013 , 18, 87-93	4.5	29
120	Strigolactone Biosynthesis and Biology 2013 , 355-371		3
119	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. <i>Pest Management Science</i> , 2013 , 69, 302-11	4.6	36
118	System-wide hypersensitive response-associated transcriptome and metabolome reprogramming in tomato. <i>Plant Physiology</i> , 2013 , 162, 1599-617	6.6	34
117	Biosynthesis of sesquiterpene lactones in pyrethrum (<i>Tanacetum cinerariifolium</i>). <i>PLoS ONE</i> , 2013 , 8, e65030	3.7	43
116	Detoxification of Tomatine by <i>Cladosporium fulvum</i> is required for full virulence on tomato. <i>New Phytologist</i> , 2013 , 198, 1203-1214	9.8	72
115	Gene coexpression analysis reveals complex metabolism of the monoterpene alcohol linalool in <i>Arabidopsis</i> flowers. <i>Plant Cell</i> , 2013 , 25, 4640-57	11.6	80
114	Tomato strigolactones: a more detailed look. <i>Plant Signaling and Behavior</i> , 2013 , 8, e22785	2.5	18
113	Antiphase light and temperature cycles affect PHYTOCHROME B-controlled ethylene sensitivity and biosynthesis, limiting leaf movement and growth of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013 , 163, 882-95	6.6	22
112	The interaction between strigolactones and other plant hormones in the regulation of plant development. <i>Frontiers in Plant Science</i> , 2013 , 4, 199	6.2	100
111	Induction of Germination 2013 , 167-194		17
110	Herbivore-mediated effects of glucosinolates on different natural enemies of a specialist aphid. <i>Journal of Chemical Ecology</i> , 2012 , 38, 100-15	2.7	63
109	Genetic variation in strigolactone production and tillering in rice and its effect on <i>Striga hermonthica</i> infection. <i>Planta</i> , 2012 , 235, 473-84	4.7	48
108	The tomato CAROTENOID CLEAVAGE DIOXYGENASE8 (SICCD8) regulates rhizosphere signaling, plant architecture and affects reproductive development through strigolactone biosynthesis. <i>New Phytologist</i> , 2012 , 196, 535-547	9.8	189
107	Function of the HD-Zip I gene Oshox22 in ABA-mediated drought and salt tolerances in rice. <i>Plant Molecular Biology</i> , 2012 , 80, 571-85	4.6	111
106	Sink filling, inulin metabolizing enzymes and carbohydrate status in field grown chicory (<i>Cichorium intybus</i> L.). <i>Journal of Plant Physiology</i> , 2012 , 169, 1520-9	3.6	37
105	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. <i>Plant Science</i> , 2012 , 190, 1-8	5.3	35
104	Association mapping of plant resistance to insects. <i>Trends in Plant Science</i> , 2012 , 17, 311-9	13.1	51

103	Strigolactones affect development in primitive plants. The missing link between plants and arbuscular mycorrhizal fungi?. <i>New Phytologist</i> , 2012 , 195, 730-733	9.8	14
102	ABA-deficiency results in reduced plant and fruit size in tomato. <i>Journal of Plant Physiology</i> , 2012 , 169, 878-83	3.6	66
101	OSCILLATOR: A system for analysis of diurnal leaf growth using infrared photography combined with wavelet transformation. <i>Plant Methods</i> , 2012 , 8, 29	5.8	27
100	Communication in the Rhizosphere, a Target for Pest Management 2012 , 109-133		9
99	Emission index for evaluation of volatile organic compounds emitted from tomato plants in greenhouses. <i>Biosystems Engineering</i> , 2012 , 113, 220-228	4.8	12
98	The path from Carotene to carlactone, a strigolactone-like plant hormone. <i>Science</i> , 2012 , 335, 1348-51	33.3	579
97	A petunia ABC protein controls strigolactone-dependent symbiotic signalling and branching. <i>Nature</i> , 2012 , 483, 341-4	50.4	398
96	Characterization of the natural variation in Arabidopsis thaliana metabolome by the analysis of metabolic distance. <i>Metabolomics</i> , 2012 , 8, 131-145	4.7	34
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