

# Harro J Bouwmeester

## List of Publications by Citations

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246  
papers

19,509  
citations

74  
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134  
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267  
ext. papers

23,314  
ext. citations

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L-index

#	Paper	IF	Citations
246	Strigolactone inhibition of shoot branching. <i>Nature</i> , <b>2008</b> , 455, 189-94	50.4	1492
245	The path from $\beta$ -carotene to carlactone, a strigolactone-like plant hormone. <i>Science</i> , <b>2012</b> , 335, 1348-51	33.3	579
244	The strigolactone germination stimulants of the plant-parasitic <i>Striga</i> and <i>Orobancha</i> spp. are derived from the carotenoid pathway. <i>Plant Physiology</i> , <b>2005</b> , 139, 920-34	6.6	489
243	Strigolactones, a novel carotenoid-derived plant hormone. <i>Annual Review of Plant Biology</i> , <b>2015</b> , 66, 161-86	38.7	451
242	Identification of the SAAT gene involved in strawberry flavor biogenesis by use of DNA microarrays. <i>Plant Cell</i> , <b>2000</b> , 12, 647-62	11.6	439
241	Genetic engineering of terpenoid metabolism attracts bodyguards to <i>Arabidopsis</i> . <i>Science</i> , <b>2005</b> , 309, 2070-2	33.3	417
240	A petunia ABC protein controls strigolactone-dependent symbiotic signalling and branching. <i>Nature</i> , <b>2012</b> , 483, 341-4	50.4	398
239	Terpenoid metabolism in wild-type and transgenic <i>Arabidopsis</i> plants. <i>Plant Cell</i> , <b>2003</b> , 15, 2866-84	11.6	395
238	Physiological effects of the synthetic strigolactone analog GR24 on root system architecture in <i>Arabidopsis</i> : another belowground role for strigolactones?. <i>Plant Physiology</i> , <b>2011</b> , 155, 721-34	6.6	387
237	Rhizosphere communication of plants, parasitic plants and AM fungi. <i>Trends in Plant Science</i> , <b>2007</b> , 12, 224-30	13.1	368
236	Tomato strigolactones are derived from carotenoids and their biosynthesis is promoted by phosphate starvation. <i>New Phytologist</i> , <b>2008</b> , 178, 863-874	9.8	342
235	Gain and loss of fruit flavor compounds produced by wild and cultivated strawberry species. <i>Plant Cell</i> , <b>2004</b> , 16, 3110-31	11.6	342
234	Strigolactones are transported through the xylem and play a key role in shoot architectural response to phosphate deficiency in nonarbuscular mycorrhizal host <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2011</b> , 155, 974-87	6.6	337
233	Secondary metabolite signalling in host-parasitic plant interactions. <i>Current Opinion in Plant Biology</i> , <b>2003</b> , 6, 358-64	9.9	322
232	Metabolomics in the Rhizosphere: Tapping into Belowground Chemical Communication. <i>Trends in Plant Science</i> , <b>2016</b> , 21, 256-265	13.1	313
231	Volatile science? Metabolic engineering of terpenoids in plants. <i>Trends in Plant Science</i> , <b>2005</b> , 10, 594-602	13.1	294
230	Functional characterization of enzymes forming volatile esters from strawberry and banana. <i>Plant Physiology</i> , <b>2004</b> , 135, 1865-78	6.6	258

229	Plant science. Biosynthesis, regulation, and domestication of bitterness in cucumber. <i>Science</i> , <b>2014</b> , 346, 1084-8	33.3	254
228	The seco-iridoid pathway from <i>Catharanthus roseus</i> . <i>Nature Communications</i> , <b>2014</b> , 5, 3606	17.4	250
227	The biology of strigolactones. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 72-83	13.1	245
226	Rice cytochrome P450 MAX1 homologs catalyze distinct steps in strigolactone biosynthesis. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 1028-33	11.7	230
225	Strigolactone biosynthesis in <i>Medicago truncatula</i> and rice requires the symbiotic GRAS-type transcription factors NSP1 and NSP2. <i>Plant Cell</i> , <b>2011</b> , 23, 3853-65	11.6	220
224	Molecular cloning, expression, and characterization of amorpha-4,11-diene synthase, a key enzyme of artemisinin biosynthesis in <i>Artemisia annua</i> L. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 381, 173-80	4.1	220
223	Amorpha-4,11-diene synthase catalyses the first probable step in artemisinin biosynthesis. <i>Phytochemistry</i> , <b>1999</b> , 52, 843-54	4	211
222	System-wide molecular evidence for phenotypic buffering in <i>Arabidopsis</i> . <i>Nature Genetics</i> , <b>2009</b> , 41, 166-73	3.3	205
221	Amorpha-4,11-diene synthase: cloning and functional expression of a key enzyme in the biosynthetic pathway of the novel antimalarial drug artemisinin. <i>Planta</i> , <b>2001</b> , 212, 460-5	4.7	200
220	The tomato CAROTENOID CLEAVAGE DIOXYGENASE8 (SI CCD8) regulates rhizosphere signaling, plant architecture and affects reproductive development through strigolactone biosynthesis. <i>New Phytologist</i> , <b>2012</b> , 196, 535-547	9.8	189
219	SI CCD7 controls strigolactone biosynthesis, shoot branching and mycorrhiza-induced apocarotenoid formation in tomato. <i>Plant Journal</i> , <b>2010</b> , 61, 300-11	6.9	185
218	Standards for plant synthetic biology: a common syntax for exchange of DNA parts. <i>New Phytologist</i> , <b>2015</b> , 208, 13-9	9.8	167
217	(+)-Germacrene A biosynthesis. The committed step in the biosynthesis of bitter sesquiterpene lactones in chicory. <i>Plant Physiology</i> , <b>1998</b> , 117, 1381-92	6.6	166
216	Expression of <i>Clarkia</i> S-linalool synthase in transgenic petunia plants results in the accumulation of S-linalyl-beta-D-glucopyranoside. <i>Plant Journal</i> , <b>2001</b> , 27, 315-24	6.9	161
215	Composition of human skin microbiota affects attractiveness to malaria mosquitoes. <i>PLoS ONE</i> , <b>2011</b> , 6, e28991	3.7	157
214	Does abscisic acid affect strigolactone biosynthesis?. <i>New Phytologist</i> , <b>2010</b> , 187, 343-354	9.8	152
213	No evidence for substantial aerobic methane emission by terrestrial plants: a <sup>13</sup> C-labelling approach. <i>New Phytologist</i> , <b>2007</b> , 175, 29-35	9.8	139
212	Monoterpene biosynthesis in lemon ( <i>Citrus limon</i> ). cDNA isolation and functional analysis of four monoterpene synthases. <i>FEBS Journal</i> , <b>2002</b> , 269, 3160-71		130

211	Biosynthesis of the monoterpenes limonene and carvone in the fruit of caraway. I. Demonstration Of enzyme activities and their changes with development. <i>Plant Physiology</i> , <b>1998</b> , 117, 901-12	6.6	127
210	Combined transcript and metabolite analysis reveals genes involved in spider mite induced volatile formation in cucumber plants. <i>Plant Physiology</i> , <b>2004</b> , 135, 2012-24	6.6	125
209	Osmotic stress represses strigolactone biosynthesis in <i>Lotus japonicus</i> roots: exploring the interaction between strigolactones and ABA under abiotic stress. <i>Planta</i> , <b>2015</b> , 241, 1435-51	4.7	124
208	Root phenotyping: from component trait in the lab to breeding. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 5389-401	7	120
207	<i>Nicotiana benthamiana</i> as a production platform for artemisinin precursors. <i>PLoS ONE</i> , <b>2010</b> , 5, e14222	3.7	119
206	Metabolic Engineering of Terpenoid Biosynthesis in Plants. <i>Phytochemistry Reviews</i> , <b>2006</b> , 5, 49-58	7.7	118
205	Mutation in sorghum alters strigolactones and causes resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 4471-4476	11.5	113
204	Increased and altered fragrance of tobacco plants after metabolic engineering using three monoterpene synthases from lemon. <i>Plant Physiology</i> , <b>2004</b> , 134, 510-9	6.6	112
203	Function of the HD-Zip I gene <i>Oshox22</i> in ABA-mediated drought and salt tolerances in rice. <i>Plant Molecular Biology</i> , <b>2012</b> , 80, 571-85	4.6	111
202	Arbuscular mycorrhizal symbiosis decreases strigolactone production in tomato. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 294-7	3.6	103
201	Spider mite-induced (3S)-(E)-nerolidol synthase activity in cucumber and lima bean. The first dedicated step in acyclic C11-homoterpene biosynthesis. <i>Plant Physiology</i> , <b>1999</b> , 121, 173-80	6.6	103
200	Isoprenoid biosynthesis in <i>Artemisia annua</i> : cloning and heterologous expression of a germacrene A synthase from a glandular trichome cDNA library. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 448, 3-12	4.1	102
199	The dual role of temperature in the regulation of the seasonal changes in dormancy and germination of seeds of <i>Polygonum persicaria</i> L. <i>Oecologia</i> , <b>1992</b> , 90, 88-94	2.9	102
198	Untargeted metabolic quantitative trait loci analyses reveal a relationship between primary metabolism and potato tuber quality. <i>Plant Physiology</i> , <b>2012</b> , 158, 1306-18	6.6	101
197	The interaction between strigolactones and other plant hormones in the regulation of plant development. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 199	6.2	100
196	Genetic architecture of plant stress resistance: multi-trait genome-wide association mapping. <i>New Phytologist</i> , <b>2017</b> , 213, 1346-1362	9.8	99
195	Cultured skin microbiota attracts malaria mosquitoes. <i>Malaria Journal</i> , <b>2009</b> , 8, 302	3.6	97
194	Asymmetric localizations of the ABC transporter PaPDR1 trace paths of directional strigolactone transport. <i>Current Biology</i> , <b>2015</b> , 25, 647-55	6.3	96

193	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> , <b>2014</b> , 111, 2379-84	11.5	96
192	Biosynthesis of costunolide, dihydrocostunolide, and leucodin. Demonstration of cytochrome p450-catalyzed formation of the lactone ring present in sesquiterpene lactones of chicory. <i>Plant Physiology</i> , <b>2002</b> , 129, 257-68	6.6	95
191	Metabolic engineering of volatile isoprenoids in plants and microbes. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 1753-75	8.4	92
190	Rhizobacterial community structure differences among sorghum cultivars in different growth stages and soils. <i>FEMS Microbiology Ecology</i> , <b>2017</b> , 93,	4.3	90
189	Genetic analysis of metabolome-phenotype interactions: from model to crop species. <i>Trends in Genetics</i> , <b>2013</b> , 29, 41-50	8.5	89
188	Rhizobium Lipo-chitooligosaccharide Signaling Triggers Accumulation of Cytokinins in Medicago truncatula Roots. <i>Molecular Plant</i> , <b>2015</b> , 8, 1213-26	14.4	88
187	Pre-attachment Striga hermonthica resistance of New Rice for Africa (NERICA) cultivars based on low strigolactone production. <i>New Phytologist</i> , <b>2011</b> , 192, 964-975	9.8	88
186	Trichome dynamics and artemisinin accumulation during development and senescence of Artemisia annua leaves. <i>Planta Medica</i> , <b>2006</b> , 72, 336-45	3.1	87
185	Carotenoid cleavage dioxygenase 7 modulates plant growth, reproduction, senescence, and determinate nodulation in the model legume Lotus japonicus. <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 1967-81	7	84
184	Strigolactones: ecological significance and use as a target for parasitic plant control. <i>Pest Management Science</i> , <b>2009</b> , 65, 471-7	4.6	83
183	Circadian rhythmicity in emission of volatile compounds by flowers of Rosa hybrida L. cv. Honesty. <i>Planta</i> , <b>1998</b> , 207, 88-95	4.7	81
182	Annual changes in dormancy and germination in seeds of Sisymbrium officinale (L.) Scop.. <i>New Phytologist</i> , <b>1993</b> , 124, 179-191	9.8	81
181	Biotechnological production of limonene in microorganisms. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 2927-38	5.7	80
180	Valencene synthase from the heartwood of Nootka cypress (Callitropsis nootkatensis) for biotechnological production of valencene. <i>Plant Biotechnology Journal</i> , <b>2014</b> , 12, 174-82	11.6	80
179	Gene coexpression analysis reveals complex metabolism of the monoterpene alcohol linalool in Arabidopsis flowers. <i>Plant Cell</i> , <b>2013</b> , 25, 4640-57	11.6	80
178	Strigolactones and root infestation by plant-parasitic Striga, Orobanche and Phelipanche spp. <i>Plant Science</i> , <b>2011</b> , 180, 414-20	5.3	79
177	Detection of diseased plants by analysis of volatile organic compound emission. <i>Annual Review of Phytopathology</i> , <b>2011</b> , 49, 157-74	10.8	77
176	Biosynthetic considerations could assist the structure elucidation of host plant produced rhizosphere signalling compounds (strigolactones) for arbuscular mycorrhizal fungi and parasitic plants. <i>Plant Physiology and Biochemistry</i> , <b>2008</b> , 46, 617-626	5.4	77

175	Cloning and characterisation of a maize carotenoid cleavage dioxygenase (ZmCCD1) and its involvement in the biosynthesis of apocarotenoids with various roles in mutualistic and parasitic interactions. <i>Planta</i> , <b>2008</b> , 228, 789-801	4.7	77
174	Induction of a leaf specific geranylgeranyl pyrophosphate synthase and emission of (E,E)-4,8,12-trimethyltrideca-1,3,7,11-tetraene in tomato are dependent on both jasmonic acid and salicylic acid signaling pathways. <i>Planta</i> , <b>2006</b> , 224, 1197-208	4.7	75
173	Isolation and characterization of two germacrene A synthase cDNA clones from chicory. <i>Plant Physiology</i> , <b>2002</b> , 129, 134-44	6.6	75
172	Biosynthesis and localization of parthenolide in glandular trichomes of feverfew ( <i>Tanacetum parthenium</i> L. Schulz Bip.). <i>Phytochemistry</i> , <b>2011</b> , 72, 1739-50	4	74
171	The effects of auxin and strigolactones on tuber initiation and stolon architecture in potato. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 4539-47	7	73
170	Metabolic engineering of monoterpene biosynthesis: two-step production of (+)-trans-isopiperitenol by tobacco. <i>Plant Journal</i> , <b>2004</b> , 39, 135-45	6.9	73
169	Detoxification of tomatine by <i>Cladosporium fulvum</i> is required for full virulence on tomato. <i>New Phytologist</i> , <b>2013</b> , 198, 1203-1214	9.8	72
168	Reconstitution of the costunolide biosynthetic pathway in yeast and <i>Nicotiana benthamiana</i> . <i>PLoS ONE</i> , <b>2011</b> , 6, e23255	3.7	70
167	Biosynthesis of germacrene A carboxylic acid in chicory roots. Demonstration of a cytochrome P450 (+)-germacrene a hydroxylase and NADP+-dependent sesquiterpenoid dehydrogenase(s) involved in sesquiterpene lactone biosynthesis. <i>Plant Physiology</i> , <b>2001</b> , 125, 1930-40	6.6	70
166	A chicory cytochrome P450 mono-oxygenase CYP71AV8 for the oxidation of (+)-valencene. <i>FEBS Letters</i> , <b>2011</b> , 585, 178-82	3.8	69
165	The role of volatiles in plant communication. <i>Plant Journal</i> , <b>2019</b> , 100, 892-907	6.9	66
164	ABA-deficiency results in reduced plant and fruit size in tomato. <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 878-83	3.6	66
163	Natural variation in herbivore-induced volatiles in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 3041-56	7	66
162	Colonization by Arbuscular Mycorrhizal Fungi of Sorghum Leads to Reduced Germination and Subsequent Attachment and Emergence of <i>Striga hermonthica</i> . <i>Plant Signaling and Behavior</i> , <b>2007</b> , 2, 58-62	2.5	66
161	Metabolic engineering of geranic acid in maize to achieve fungal resistance is compromised by novel glycosylation patterns. <i>Metabolic Engineering</i> , <b>2011</b> , 13, 414-25	9.7	65
160	Herbivore-mediated effects of glucosinolates on different natural enemies of a specialist aphid. <i>Journal of Chemical Ecology</i> , <b>2012</b> , 38, 100-15	2.7	63
159	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> , <b>2013</b> , 20, 221-32	9.7	63
158	Variation in herbivory-induced volatiles among cucumber ( <i>Cucumis sativus</i> L.) varieties has consequences for the attraction of carnivorous natural enemies. <i>Journal of Chemical Ecology</i> , <b>2011</b> , 37, 150-60	2.7	63

157	AtWRKY22 promotes susceptibility to aphids and modulates salicylic acid and jasmonic acid signalling. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 3383-96	7	62
156	Zealactones. Novel natural strigolactones from maize. <i>Phytochemistry</i> , <b>2017</b> , 137, 123-131	4	61
155	Structural diversity in the strigolactones. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2219-2230	7	60
154	Changes in the sensitivity of parasitic weed seeds to germination stimulants. <i>Seed Science Research</i> , <b>2004</b> , 14, 335-344	1.3	58
153	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> , <b>2013</b> , 20, 198-211	9.7	57
152	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. <i>Nature Communications</i> , <b>2020</b> , 11, 2114	17.4	56
151	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> , <b>2016</b> , 38, 159-169	9.7	56
150	Engineering the plant rhizosphere. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 32, 136-142	11.4	56
149	Enantiospecific (+)- and (-)-germacrene D synthases, cloned from goldenrod, reveal a functionally active variant of the universal isoprenoid-biosynthesis aspartate-rich motif. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 432, 136-44	4.1	56
148	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> , <b>2013</b> , 199, 352-366	9.8	55
147	Capturing of the monoterpene olefin limonene produced in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , <b>2015</b> , 32, 159-71	3.4	53
146	A simulation model for seasonal changes in dormancy and germination of weed seeds. <i>Seed Science Research</i> , <b>2001</b> , 11, 77-92	1.3	53
145	OsJAR1 is required for JA-regulated floret opening and anther dehiscence in rice. <i>Plant Molecular Biology</i> , <b>2014</b> , 86, 19-33	4.6	52
144	Natural products - modifying metabolite pathways in plants. <i>Biotechnology Journal</i> , <b>2013</b> , 8, 1159-71	5.6	52
143	Germacrene from fresh costus roots. <i>Phytochemistry</i> , <b>2001</b> , 58, 481-7	4	52
142	Ecological relevance of strigolactones in nutrient uptake and other abiotic stresses, and in plant-microbe interactions below-ground. <i>Plant and Soil</i> , <b>2015</b> , 394, 1-19	4.2	51
141	Association mapping of plant resistance to insects. <i>Trends in Plant Science</i> , <b>2012</b> , 17, 311-9	13.1	51
140	Elucidation and in planta reconstitution of the parthenolide biosynthetic pathway. <i>Metabolic Engineering</i> , <b>2014</b> , 23, 145-53	9.7	50

139	Bidirectional secretions from glandular trichomes of pyrethrum enable immunization of seedlings. <i>Plant Cell</i> , <b>2012</b> , 24, 4252-65	11.6	50
138	The interaction of strigolactones with abscisic acid during the drought response in rice. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2403-2414	7	49
137	Genetic variation in strigolactone production and tillering in rice and its effect on <i>Striga hermonthica</i> infection. <i>Planta</i> , <b>2012</b> , 235, 473-84	4.7	48
136	Genome-Wide Association Mapping and Genomic Prediction Elucidate the Genetic Architecture of Morphological Traits in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2016</b> , 170, 2187-203	6.6	47
135	Mechanisms of the biosynthesis of sesquiterpene enantiomers (+)- and (-)-germacrene D in <i>Solidago canadensis</i> . <i>Chirality</i> , <b>1999</b> , 11, 353-362	2.1	45
134	Hydroxylation of sesquiterpenes by enzymes from chicory ( <i>Cichorium intybus</i> L.) roots. <i>Tetrahedron</i> , <b>2003</b> , 59, 409-418	2.4	44
133	Biosynthesis of sesquiterpene lactones in pyrethrum ( <i>Tanacetum cinerariifolium</i> ). <i>PLoS ONE</i> , <b>2013</b> , 8, e65030	3.7	43
132	The Sexual Advantage of Looking, Smelling, and Tasting Good: The Metabolic Network that Produces Signals for Pollinators. <i>Trends in Plant Science</i> , <b>2017</b> , 22, 338-350	13.1	42
131	New strigolactone mimics: structure-activity relationship and mode of action as germinating stimulants for parasitic weeds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 5182-6	2.9	42
130	Cytochrome P450s from <i>Cynara cardunculus</i> L. CYP71AV9 and CYP71BL5, catalyze distinct hydroxylations in the sesquiterpene lactone biosynthetic pathway. <i>Plant Science</i> , <b>2014</b> , 223, 59-68	5.3	39
129	Stable Production of the Antimalarial Drug Artemisinin in the Moss. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2017</b> , 5, 47	5.8	39
128	Tailor-made fructan synthesis in plants: a review. <i>Carbohydrate Polymers</i> , <b>2013</b> , 93, 48-56	10.3	38
127	Identification of Volatile Potato Sesquiterpenoids and Their Olfactory Detection by the Two-spotted Stinkbug <i>Perillus bioculatus</i> . <i>Journal of Chemical Ecology</i> , <b>2000</b> , 26, 1433-1445	2.7	38
126	(+)-Valencene production in <i>Nicotiana benthamiana</i> is increased by down-regulation of competing pathways. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 180-9	5.6	37
125	Valencene oxidase CYP706M1 from Alaska cedar ( <i>Callitropsis nootkatensis</i> ). <i>FEBS Letters</i> , <b>2014</b> , 588, 1001-7	3.8	37
124	Sink filling, inulin metabolizing enzymes and carbohydrate status in field grown chicory ( <i>Cichorium intybus</i> L.). <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 1520-9	3.6	37
123	<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> , <b>2014</b> , 202, 531-541	9.8	36
122	Genetic engineering of plant volatile terpenoids: effects on a herbivore, a predator and a parasitoid. <i>Pest Management Science</i> , <b>2013</b> , 69, 302-11	4.6	36

121	The molecular cloning of dihydroartemisinic aldehyde reductase and its implication in artemisinin biosynthesis in <i>Artemisia annua</i> . <i>Planta Medica</i> , <b>2010</b> , 76, 1778-83	3.1	36
120	Biomarkers for grain yield stability in rice under drought stress. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 669-683	7	36
119	The tomato MAX1 homolog, SlMAX1, is involved in the biosynthesis of tomato strigolactones from carlactone. <i>New Phytologist</i> , <b>2018</b> , 219, 297-309	9.8	35
118	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> , <b>2012</b> , 190, 1-8	5.3	35
117	Cytochrome P-450 dependent (+)-limonene-6-hydroxylation in fruits of caraway ( <i>Carum carvi</i> ) <sup>1</sup> Part 2 in the series □Biosynthesis of limonene and carvone in fruits of caraway ( <i>Carum carvi</i> L.)P (Bouwmeester, Gershenzon, Konings, & Croteau, in press).1. <i>Phytochemistry</i> , <b>1999</b> , 50, 243-248	4	35
116	Characterization of the natural variation in <i>Arabidopsis thaliana</i> metabolome by the analysis of metabolic distance. <i>Metabolomics</i> , <b>2012</b> , 8, 131-145	4.7	34
115	System-wide hypersensitive response-associated transcriptome and metabolome reprogramming in tomato. <i>Plant Physiology</i> , <b>2013</b> , 162, 1599-617	6.6	34
114	Carotenoid inhibitors reduce strigolactone production and <i>Striga hermonthica</i> infection in rice. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 504, 123-31	4.1	34
113	Susceptibility of the tomato mutant high pigment-2dg (hp-2dg) to <i>Orobanche</i> spp. infection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 6326-32	5.7	34
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111	Monoterpene biosynthesis potential of plant subcellular compartments. <i>New Phytologist</i> , <b>2016</b> , 209, 679-90	9.8	34
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108	Genetic variation in jasmonic acid- and spider mite-induced plant volatile emission of cucumber accessions and attraction of the predator <i>Phytoseiulus persimilis</i> . <i>Journal of Chemical Ecology</i> , <b>2010</b> , 36, 500-12	2.7	32
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105	Domain swapping of Citrus limon monoterpene synthases: impact on enzymatic activity and product specificity. <i>Archives of Biochemistry and Biophysics</i> , <b>2003</b> , 411, 196-203	4.1	31
104	The importance of a sterile rhizosphere when phenotyping for root exudation. <i>Plant and Soil</i> , <b>2015</b> , 387, 131-142	4.2	30

103	Relation between HLA genes, human skin volatiles and attractiveness of humans to malaria mosquitoes. <i>Infection, Genetics and Evolution</i> , <b>2013</b> , 18, 87-93	4.5	29
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