Wilhelm Gruissem

List of Publications by Citations

272 papers	24,900 citations	83 h-index	152 g-index
284 ext. papers	27,987 ext. citations	8.9 avg, IF	6.89 L-index

#	Paper	IF	Citations
272	GENEVESTIGATOR. Arabidopsis microarray database and analysis toolbox. *Plant Physiology*, **2004**, 136, 2621-32	6.6	2091
271	Genevestigator v3: a reference expression database for the meta-analysis of transcriptomes. *Advances in Bioinformatics*, **2008**, 2008, 420747	5.5	1382
270	Fruits: A Developmental Perspective. *Plant Cell*, **1993**, 5, 1439-1451	11.6	658
269	A systematic comparison and evaluation of biclustering methods for gene expression data. *Bioinformatics*, **2006**, 22, 1122-9	7.2	626
268	Crosstalk between cytosolic and plastidial pathways of isoprenoid biosynthesis in Arabidopsis thaliana. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6866-71	11.5	538
267	Calmodulins and calcineurin B-like proteins: calcium sensors for specific signal response coupling in plants. *Plant Cell*, **2002**, 14 Suppl, S389-400	11.6	517
266	Network analysis of the MVA and MEP pathways for isoprenoid synthesis. *Annual Review of Plant Biology*, **2013**, 64, 665-700	30.7	511
265	The Arabidopsis thaliana chloroplast proteome reveals pathway abundance and novel protein functions. *Current Biology*, **2004**, 14, 354-62	6.3	483
264	Genome-wide analysis of hydrogen peroxide-regulated gene expression in Arabidopsis reveals a high light-induced transcriptional cluster involved in anthocyanin biosynthesis. *Plant Physiology*, **2005**, 139, 806-21	6.6	428
263	Genome-scale proteomics reveals Arabidopsis thaliana gene models and proteome dynamics. *Science*, **2008**, 320, 938-41	33.3	419
262	Control of plastid gene expression: 3Rinverted repeats act as mRNA processing and stabilizing elements, but do not terminate transcription. *Cell*, **1987**, 51, 1145-57	56.2	389
261	Global analysis of the core cell cycle regulators of Arabidopsis identifies novel genes, reveals multiple and highly specific profiles of expression and provides a coherent model for plant cell cycle control. *Plant Journal*, **2005**, 41, 546-66	6.9	371
260	Genes for calcineurin B-like proteins in Arabidopsis are differentially regulated by stress signals. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 4718-23	11.5	369
259	Large-scale Arabidopsis phosphoproteome profiling reveals novel chloroplast kinase substrates and phosphorylation networks. *Plant Physiology*, **2009**, 150, 889-903	6.6	357
258	Control of plastid gene expression during development: the limited role of transcriptional regulation. *Cell*, **1987**, 49, 379-87	56.2	348
257	Arabidopsis MSI1 is a component of the MEA/FIE Polycomb group complex and required for seed development. *EMBO Journal*, **2003**, 22, 4804-14	13	322
256	The Polycomb-group protein MEDEA regulates seed development by controlling expression of the MADS-box gene PHERES1. *Genes and Development*, **2003**, 17, 1540-53	12.6	316

255	The RETINOBLASTOMA-RELATED gene regulates stem cell maintenance in Arabidopsis roots. *Cell*, **2005**, 123, 1337-49	56.2	289
254	Chloroplast gene expression: how plants turn their plastids on. *Cell*, **1989**, 56, 161-70	56.2	254
253	Cell cycle progression in the pericycle is not sufficient for SOLITARY ROOT/IAA14-mediated lateral root initiation in Arabidopsis thaliana. *Plant Cell*, **2005**, 17, 3035-50	11.6	253
252	Sparse graphical Gaussian modeling of the isoprenoid gene network in Arabidopsis thaliana. *Genome Biology*, **2004**, 5, R92	18.3	229
251	Gene-expression analysis and network discovery using Genevestigator. *Trends in Plant Science*, **2005** , 10, 407-9	13.1	225
250	Molecular characterization of geminivirus-derived small RNAs in different plant species. *Nucleic Acids Research*, **2006**, 34, 462-71	20.1	220
249	Rice endosperm iron biofortification by targeted and synergistic action of nicotianamine synthase and ferritin. *Plant Biotechnology Journal*, **2009**, 7, 631-44	11.6	219
248	Genome-wide analysis of gene expression profiles associated with cell cycle transitions in growing organs of Arabidopsis. *Plant Physiology*, **2005**, 138, 734-43	6.6	219
247	Plant retinoblastoma homologues control nuclear proliferation in the female gametophyte. *Nature*, **2004**, 429, 776-80	50.4	219
246	RRB1 and RRB2 encode maize retinoblastoma-related proteins that interact with a plant D-type cyclin and geminivirus replication protein. *Molecular and Cellular Biology*, **1997**, 17, 5077-86	4.8	213
245	RefGenes: identification of reliable and condition specific reference genes for RT-qPCR data normalization. *BMC Genomics*, **2011**, 12, 156	4.5	206
244	Structure and dynamics of the isoprenoid pathway network. *Molecular Plant*, **2012**, 5, 318-33	14.4	203
243	Fruits: A Developmental Perspective. *Plant Cell*, **1993**, 5, 1439	11.6	199
242	Genome-wide gene expression in an Arabidopsis cell suspension. *Plant Molecular Biology*, **2003**, 53, 423-42	4.6	198
241	The BioCassava plus program: biofortification of cassava for sub-Saharan Africa. *Annual Review of Plant Biology*, **2011**, 62, 251-72	30.7	190
240	Genome-wide identification of potential plant E2F target genes. *Plant Physiology*, **2005**, 139, 316-28	6.6	187
239	Cell cycle-regulated gene expression in Arabidopsis. *Journal of Biological Chemistry*, **2002**, 277, 41987-2002	5.4	182
238	Arabidopsis MSI1 is required for epigenetic maintenance of reproductive development. *Development (Cambridge)*, **2003**, 130, 2555-65	6.6	180

237	Systems-based analysis of Arabidopsis leaf growth reveals adaptation to water deficit. *Molecular Systems Biology*, **2012**, 8, 606	12.2	163
236	Substrate recognition by ADAR1 and ADAR2. *Rna*, **2001**, 7, 846-58	5.8	160
235	Arabidopsis MSI1 connects LHP1 to PRC2 complexes. *EMBO Journal*, **2013**, 32, 2073-85	13	159
234	Polycomb-group proteins repress the floral activator AGL19 in the FLC-independent vernalization pathway. *Genes and Development*, **2006**, 20, 1667-78	12.6	146
233	Dynamic spectrum quality assessment and iterative computational analysis of shotgun proteomic data: toward more efficient identification of post-translational modifications, sequence polymorphisms, and novel peptides. *Molecular and Cellular Proteomics*, **2006**, 5, 652-70	7.6	143
232	NovoHMM: a hidden Markov model for de novo peptide sequencing. *Analytical Chemistry*, **2005**, 77, 7265-73	7.3	140
231	MSI1-like proteins: an escort service for chromatin assembly and remodeling complexes. *Trends in Cell Biology*, **2005**, 15, 295-302	18.3	132
230	Genomic organization, sequence analysis and expression of all five genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase/oxygenase from tomato. *Molecular Genetics and Genomics*, **1987**, 209, 247-56		132
229	Nutritional enhancement of rice for human health: the contribution of biotechnology. *Biotechnology Advances*, **2013**, 31, 50-7	17.8	129
228	Arabidopsis RETINOBLASTOMA-RELATED is required for stem cell maintenance, cell differentiation, and lateral organ production. *Plant Cell*, **2010**, 22, 1792-811	11.6	126
227	Comparative phosphoproteome profiling reveals a function of the STN8 kinase in fine-tuning of cyclic electron flow (CEF). *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12955-60	11.5	122
226	Control mechanisms of plastid gene expression. *Critical Reviews in Plant Sciences*, **1993**, 12, 19-55	5.6	122
225	Biosynthesis of chloroplast transfer RNA in a spinach chloroplast transcription system. *Cell*, **1983**, 35, 815-28	56.2	120
224	Dose-dependent RNAi-mediated geminivirus resistance in the tropical root crop cassava. *Plant Molecular Biology*, **2009**, 70, 265-72	4.6	116
223	Plant inositol monophosphatase is a lithium-sensitive enzyme encoded by a multigene family. *Plant Cell*, **1995**, 7, 2175-85	11.6	115
222	Organization and expression of the genes encoding ribulose-1,5-bisphosphate carboxylase in higher plants. *Photosynthesis Research*, **1988**, 16, 117-39	3.7	114
221	Probing the reproducibility of leaf growth and molecular phenotypes: a comparison of three Arabidopsis accessions cultivated in ten laboratories. *Plant Physiology*, **2010**, 152, 2142-57	6.6	110
220	Transcriptional programs of early reproductive stages in Arabidopsis. *Plant Physiology*, **2004**, 135, 1765-75	6.6	110

219	Proteome dynamics during plastid differentiation in rice. *Plant Physiology*, **2007**, 143, 912-23	6.6	109
218	Developmental, organ-specific, and light-dependent expression of the tomato ribulose-1,5-bisphosphate carboxylase small subunit gene family. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 7104-8	11.5	108
217	Changes in Photosynthetic Capacity and Photosynthetic Protein Pattern during Tomato Fruit Ripening. *Plant Physiology*, **1987**, 84, 911-7	6.6	105
216	Senescence-inducible expression of isopentenyl transferase extends leaf life, increases drought stress resistance and alters cytokinin metabolism in cassava. *Journal of Integrative Plant Biology*, **2010**, 52, 653-69	8.3	102
215	Functional genomic analysis of CAF-1 mutants in Arabidopsis thaliana. *Journal of Biological Chemistry*, **2006**, 281, 9560-8	5.4	101
214	The chromodomain of LIKE HETEROCHROMATIN PROTEIN 1 is essential for H3K27me3 binding and function during Arabidopsis development. *PLoS ONE*, **2009**, 4, e5335	3.7	99
213	Chloroplast gene expression and promoter identification in chloroplast extracts. *Methods in Enzymology*, **1986**, 118, 253-70	1.7	98
212	High-throughput genomic sequencing of cassava bacterial blight strains identifies conserved effectors to target for durable resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1972-9	11.5	97
211	Prenylation of the floral transcription factor APETALA1 modulates its function. *Plant Cell*, **2000**, 12, 1257-66	11.6	97
210	plprot: a comprehensive proteome database for different plastid types. *Plant and Cell Physiology*, **2006**, 47, 432-6	4.9	96
209	Chromatin-remodeling and memory factors. New regulators of plant development. *Plant Physiology* , **2002**, 130, 1090-101	6.6	96
208	Degrading chloroplast mRNA: the role of polyadenylation. *Trends in Biochemical Sciences*, **1999**, 24, 199-202	10.3	95
207	Engineering resistance to geminiviruses--review and perspectives. *Plant Biotechnology Journal*, **2007**, 5, 207-20	11.6	94
206	Chromatin assembly factor CAF-1 is required for cellular differentiation during plant development. *Development (Cambridge)*, **2006**, 133, 4163-72	6.6	94
205	Resistance to cassava mosaic disease in transgenic cassava expressing antisense RNAs targeting virus replication genes. *Plant Biotechnology Journal*, **2005**, 3, 385-97	11.6	94
204	Proteome analysis of the rice etioplast: metabolic and regulatory networks and novel protein functions. *Molecular and Cellular Proteomics*, **2005**, 4, 1072-84	7.6	93
203	Genome-scale Arabidopsis promoter array identifies targets of the histone acetyltransferase GCN5. *Plant Journal*, **2008**, 56, 493-504	6.9	92
202	Functional requirement of plant farnesyltransferase during development in Arabidopsis. *Plant Cell*, **2000**, 12, 1267-78	11.6	91

201	Enlarged meristems and delayed growth in plp mutants result from lack of CaaX prenyltransferases. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7815-20	11.5	89
200	Agrobacterium-mediated transformation of friable embryogenic calli and regeneration of transgenic cassava. *Nature Protocols*, **2009**, 4, 1845-54	18.8	88
199	Expression of nuclear and plastid genes for photosynthesis-specific proteins during tomato fruit development and ripening. *Plant Molecular Biology*, **1986**, 7, 367-76	4.6	88
198	A dynamic reciprocal RBR-PRC2 regulatory circuit controls Arabidopsis gametophyte development. *Current Biology*, **2008**, 18, 1680-6	6.3	87
197	Proteome analysis of bell pepper (Capsicum annuum L.) chromoplasts. *Plant and Cell Physiology*, **2006**, 47, 1663-73	4.9	86
196	Gene expression analysis, proteomics, and network discovery. *Plant Physiology*, **2010**, 152, 402-10	6.6	85
195	Genevestigator transcriptome meta-analysis and biomarker search using rice and barley gene expression databases. *Molecular Plant*, **2008**, 1, 851-7	14.4	85
194	Constitutive transcription and regulation of gene expression in non-photosynthetic plastids of higher plants. *EMBO Journal*, **1988**, 7, 3301-3308	13	85
193	Characterization of the GGPP synthase gene family in Arabidopsis thaliana. *Plant Molecular Biology*, **2013**, 82, 393-416	4.6	84
192	Linking CRISPR-Cas9 interference in cassava to the evolution of editing-resistant geminiviruses. *Genome Biology*, **2019**, 20, 80	18.3	83
191	Arabidopsis MSI1 is required for negative regulation of the response to drought stress. *Molecular Plant*, **2009**, 2, 675-687	14.4	83
190	MASCP Gator: an aggregation portal for the visualization of Arabidopsis proteomics data. *Plant Physiology*, **2011**, 155, 259-70	6.6	83
189	Lipid modifications of proteins - slipping in and out of membranes. *Trends in Plant Science*, **1999**, 4, 439-445	15.1	83
188	Transcriptional and post-transcriptional control of plastid mRNA levels in higher plants. *Trends in Genetics*, **1988**, 4, 258-63	8.5	83
187	iTRAQ-based analysis of changes in the cassava root proteome reveals pathways associated with post-harvest physiological deterioration. *Plant Journal*, **2011**, 67, 145-56	6.9	82
186	The Arabidopsis leaf transcriptome reveals distinct but also overlapping responses to colonization by phyllosphere commensals and pathogen infection with impact on plant health. *New Phytologist*, **2016**, 212, 192-207	9.8	82
185	Transgenic cassava resistance to African cassava mosaic virus is enhanced by viral DNA-A bidirectional promoter-derived siRNAs. *Plant Molecular Biology*, **2007**, 64, 549-57	4.6	80
184	A small nuclear GTP-binding protein from tomato suppresses a Schizosaccharomyces pombe cell-cycle mutant. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 5863-7	11.5	79

183	Regulation of flowering time by Arabidopsis MSI1. *Development (Cambridge)*, **2006**, 133, 1693-702	6.6	76
182	Emerging roles of RETINOBLASTOMA-RELATED proteins in evolution and plant development. *Trends in Plant Science*, **2012**, 17, 139-48	13.1	74
181	Molecular characterization of At5PTase1, an inositol phosphatase capable of terminating inositol trisphosphate signaling. *Plant Physiology*, **2001**, 126, 801-10	6.6	74
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179	Iron biofortification in the 21st century: setting realistic targets, overcoming obstacles, and new strategies for healthy nutrition. *Current Opinion in Biotechnology*, **2017**, 44, 8-15	11.4	73
178	Exploiting the combination of natural and genetically engineered resistance to cassava mosaic and cassava brown streak viruses impacting cassava production in Africa. *PLoS ONE*, **2012**, 7, e45277	3.7	71
177	Accelerated ex situ breeding of - and -edited cassava for modified starch. *Science Advances*, **2018**, 4, eaat6086	4.9	71
176	The nutritional fortification of cereals. *Current Opinion in Biotechnology*, **2004**, 15, 162-5	11.4	70
175	Plastid gene expression during fruit ripening in tomato. *Plant Molecular Biology*, **1985**, 5, 373-84	4.6	70
174	Proteomics of model and crop plant species: status, current limitations and strategic advances for crop improvement. *Journal of Proteomics*, **2013**, 93, 5-19	3.9	68
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172	Chloroplast proteomics: potentials and challenges. *Journal of Experimental Botany*, **2004**, 55, 1213-20	7	68
171	The Arabidopsis thaliana FPP synthase isozymes have overlapping and specific functions in isoprenoid biosynthesis, and complete loss of FPP synthase activity causes early developmental arrest. *Plant Journal*, **2010**, 63, 512-25	6.9	64
170	Enhanced Grain Iron Levels in Rice Expressing an , and Gene Cassette. *Frontiers in Plant Science*, **2017**, 8, 130	6.2	62
169	Dual interaction of a geminivirus replication accessory factor with a viral replication protein and a plant cell cycle regulator. *Virology*, **2001**, 279, 570-6	3.6	62
168	The Arabidopsis Rho of plants GTPase AtROP6 functions in developmental and pathogen response pathways. *Plant Physiology*, **2013**, 161, 1172-88	6.6	61
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166	Glucan, Water Dikinase Exerts Little Control over Starch Degradation in Arabidopsis Leaves at Night. *Plant Physiology*, **2014**, 165, 866-879	6.6	61

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164	Protein farnesylation in plants--conserved mechanisms but different targets. *Current Opinion in Plant Biology*, **2003**, 6, 530-5	9.9	61
163	pep2pro: a new tool for comprehensive proteome data analysis to reveal information about organ-specific proteomes in Arabidopsis thaliana. *Integrative Biology (United Kingdom)*, **2011**, 3, 225-37	3.7	60
162	AUDENS: a tool for automated peptide de novo sequencing. *Journal of Proteome Research*, **2005**, 4, 1768-74	5.6	60
161	DCL is a plant-specific protein required for plastid ribosomal RNA processing and embryo development. *Plant Molecular Biology*, **2003**, 53, 531-43	4.6	59
160	Novel conserved sequence motifs in plant G-box binding proteins and implications for interactive domains. *Nucleic Acids Research*, **1994**, 22, 470-8	20.1	59
159	Efficient prenylation by a plant geranylgeranyltransferase-I requires a functional CaaL box motif and a proximal polybasic domain. *Plant Physiology*, **2001**, 126, 1416-29	6.6	58
158	Characterization of post-translational modifications of histone H2B-variants isolated from Arabidopsis thaliana. *Journal of Proteome Research*, **2007**, 6, 3655-68	5.6	57
157	Semi-supervised LC/MS alignment for differential proteomics. *Bioinformatics*, **2006**, 22, e132-40	7.2	57
156	Large-Scale Proteomics of the Cassava Storage Root and Identification of a Target Gene to Reduce Postharvest Deterioration. *Plant Cell*, **2014**, 26, 1913-1924	11.6	56
155	AGRONOMICS1: a new resource for Arabidopsis transcriptome profiling. *Plant Physiology*, **2010**, 152, 487-99	6.6	56
154	Sequence coding for a novel proline-rich protein preferentially expressed in young tomato fruit. *Plant Molecular Biology*, **1991**, 17, 149-50	4.6	55
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152	NOD promoter-controlled AtIRT1 expression functions synergistically with NAS and FERRITIN genes to increase iron in rice grains. *Plant Molecular Biology*, **2016**, 90, 207-15	4.6	54
151	Farnesylation directs AtIPT3 subcellular localization and modulates cytokinin biosynthesis in Arabidopsis. *Plant Physiology*, **2008**, 146, 1155-64	6.6	53
150	Arachidonic acid alters tomato HMG expression and fruit growth and induces 3-hydroxy-3-methylglutaryl coenzyme A reductase-independent lycopene accumulation. *Plant Physiology*, **1999**, 119, 41-8	6.6	53
149	Induction of differentiation in the shoot apical meristem by transient overexpression of a retinoblastoma-related protein. *Plant Physiology*, **2006**, 141, 1338-48	6.6	52
148	Protein prenylation in plants: old friends and new targets. *Plant Molecular Biology*, **1999**, 39, 865-70	4.6	52

147	Large scale germplasm screening for identification of novel rice blast resistance sources. *Frontiers in Plant Science*, **2014**, 5, 505	6.2	51
146	Developmentally controlled farnesylation modulates AtNAP1;1 function in cell proliferation and cell expansion during Arabidopsis leaf development. *Plant Physiology*, **2006**, 142, 1412-26	6.6	51
145	Flavonoid profiling among wild type and related GM wheat varieties. *Plant Molecular Biology*, **2007**, 65, 645-54	4.6	50
144	Strategies for vitamin B6 biofortification of plants: a dual role as a micronutrient and a stress protectant. *Frontiers in Plant Science*, **2013**, 4, 143	6.2	49
143	Cassava: constraints to production and the transfer of biotechnology to African laboratories. *Plant Cell Reports*, **2011**, 30, 779-87	5.1	49
142	PlantDB - a versatile database for managing plant research. *Plant Methods*, **2008**, 4, 1	5.8	49
141	Arabidopsis transcript profiling on Affymetrix GeneChip arrays. *Plant Molecular Biology*, **2003**, 53, 457-65	4.6	49
140	Retinoblastoma-related proteins in plants: homologues or orthologues of their metazoan counterparts?. *Plant Molecular Biology*, **2000**, 43, 635-42	4.6	49
139	Selective in vitro transcription of chloroplast genes. *Journal of Cellular Biochemistry*, **1983**, 22, 31-46	4.7	49
138	Transfer and expression of an artificial storage protein (ASP1) gene in cassava (Manihot esculenta Crantz). *Transgenic Research*, **2003**, 12, 243-50	3.3	48
137	The chloroplast kinase network: new insights from large-scale phosphoproteome profiling. *Molecular Plant*, **2009**, 2, 1141-53	14.4	47
136	Arabidopsis replacement histone variant H3.3 occupies promoters of regulated genes. *Genome Biology*, **2014**, 15, R62	18.3	46
135	Carboxyl-methylation of prenylated calmodulin CaM53 is required for efficient plasma membrane targeting of the protein. *Plant Journal*, **2000**, 24, 775-84	6.9	46
134	Reference genes for reliable potyvirus quantitation in cassava and analysis of Cassava brown streak virus load in host varieties. *Journal of Virological Methods*, **2011**, 177, 49-54	2.6	45
133	Photoperiodic control of the proteome reveals a translational coincidence mechanism. *Molecular Systems Biology*, **2018**, 14, e7962	12.2	44
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126	Single genetic locus improvement of iron, zinc and β-carotene content in rice grains. *Scientific Reports*, **2017**, 7, 6883	4.9	41
125	Dosage-sensitive function of retinoblastoma related and convergent epigenetic control are required during the Arabidopsis life cycle. *PLoS Genetics*, **2010**, 6, e1000988	6	41
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123	Tackling agriculturally relevant diseases in the staple crop cassava (Manihot esculenta). *Current Opinion in Plant Biology*, **2017**, 38, 50-58	9.9	40
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119	Analysis of shotgun proteomics and RNA profiling data from Arabidopsis thaliana chloroplasts. *Journal of Proteome Research*, **2005**, 4, 637-40	5.6	39
118	Targeting intracellular transport combined with efficient uptake and storage significantly increases grain iron and zinc levels in rice. *Plant Biotechnology Journal*, **2019**, 17, 9-20	11.6	38
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116	Nicotianamine synthase overexpression positively modulates iron homeostasis-related genes in high iron rice. *Frontiers in Plant Science*, **2013**, 4, 156	6.2	37
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113	Robust transformation procedure for the production of transgenic farmer-preferred cassava landraces. *Plant Methods*, **2012**, 8, 24	5.8	35
112	Fluorescent imaging of GUS activity and RT-PCR analysis of gene expression in the shoot apical meristem. *Plant Journal*, **1996**, 10, 745-54	6.9	35

111	BRR2a Affects Flowering Time via FLC Splicing. *PLoS Genetics*, **2016**, 12, e1005924	6	35
110	Identification of novel alleles of the rice blast resistance gene Pi54. *Scientific Reports*, **2015**, 5, 15678	4.9	34
109	Altered expression of the Arabidopsis ortholog of DCL affects normal plant development. *Planta*, **2004**, 219, 819-26	4.7	33
108	Regulation of tomato HMG1 during cell proliferation and growth. *Planta*, **1999**, 208, 310-318	4.7	33
107	Regulation of Plastid Gene Expression during Photooxidative Stress. *Plant Physiology*, **1992**, 99, 1406-15	6.6	33
106	Proteasome targeting of proteins in Arabidopsis leaf mesophyll, epidermal and vascular tissues. *Frontiers in Plant Science*, **2015**, 6, 376	6.2	31
105	Unlocking the potential of tropical root crop biotechnology in east Africa by establishing a genetic transformation platform for local farmer-preferred cassava cultivars. *Frontiers in Plant Science*, **2013**, 4, 526	6.2	31
104	Transposon tagging of the Defective embryo and meristems gene of tomato. *Plant Cell*, **1998**, 10, 877-88	11.6	31
103	Facilitated citrate-dependent iron translocation increases rice endosperm iron and zinc concentrations. *Plant Science*, **2018**, 270, 13-22	5.3	29
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101	AtIPD: a curated database of Arabidopsis isoprenoid pathway models and genes for isoprenoid network analysis. *Plant Physiology*, **2011**, 156, 1655-60	6.6	28
100	PepSplice: cache-efficient search algorithms for comprehensive identification of tandem mass spectra. *Bioinformatics*, **2007**, 23, 3016-23	7.2	28
99	Biotechnological approaches to cassava protein improvement. *Trends in Food Science and Technology*, **2006**, 17, 634-641	15.3	28
98	Distinct evolutionary strategies in the GGPPS family from plants. *Frontiers in Plant Science*, **2014**, 5, 230	6.2	27
97	Protein abundance changes and ubiquitylation targets identified after inhibition of the proteasome with syringolin A. *Molecular and Cellular Proteomics*, **2014**, 13, 1523-36	7.6	26
96	Haplotype-resolved genomes of geminivirus-resistant and geminivirus-susceptible African cassava cultivars. *BMC Biology*, **2019**, 17, 75	7.3	25
95	pep2pro: the high-throughput proteomics data processing, analysis, and visualization tool. *Frontiers in Plant Science*, **2012**, 3, 123	6.2	25
94	Changes in Chloroplast mRNA Stability during Leaf Development. *Plant Cell*, **1991**, 3, 517	11.6	25

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