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List of Publications by Year
in descending order

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255	19,000	7568	16650
papers	citations	77 h-index	123 g-index

262	262	262	15143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteomics of isolated sieve tubes from Nicotiana tabacum: sieve elementâ€“specific proteins reveal differentiation of the endomembrane system. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112755119.	7.1	7
2	Multi-omics data integration reveals link between epigenetic modifications and gene expression in sugar beet (Beta vulgaris subsp. vulgaris) in response to cold. BMC Genomics, 2022, 23, 144.	2.8	8
3	The good and the bad of preprint servers in plant physiology. Journal of Plant Physiology, 2022, 271, 153661.	3.5	0
4	Understanding resource and energy distribution in plants for a better future. Journal of Plant Physiology, 2022, 272, 153694.	3.5	0
5	Crop genetic diversity uncovers metabolites, elements, and gene networks predicted to be associated with high plant biomass yields in maize. , 2022, 1, .		2
6	Auxin signaling and vascular cambium formation enable storage metabolism in cassava tuberous roots. Journal of Experimental Botany, 2021, 72, 3688-3703.	4.8	21
7	X-Ray CT Phenotyping Reveals Bi-Phasic Growth Phases of Potato Tubers Exposed to Combined Abiotic Stress. Frontiers in Plant Science, 2021, 12, 613108.	3.6	12
8	Plant biotechnology for sustainable agriculture and food safety. Journal of Plant Physiology, 2021, 261, 153416.	3.5	7
9	Tuber and Tuberous Root Development. Annual Review of Plant Biology, 2021, 72, 551-580.	18.7	77
10	Cold-Triggered Induction of ROS- and Raffinose Metabolism in Freezing-Sensitive Taproot Tissue of Sugar Beet. Frontiers in Plant Science, 2021, 12, 715767.	3.6	17
11	Assimilate highway to sink organs â€“ Physiological consequences of SP6A overexpression in transgenic potato (Solanum tuberosum L.). Journal of Plant Physiology, 2021, 266, 153530.	3.5	5
12	Metabolomics should be deployed in the identification and characterization of geneâ€edited crops. Plant Journal, 2020, 102, 897-902.	5.7	30
13	Transcriptional and Metabolic Profiling of Potato Plants Expressing a Plastid-Targeted Electron Shuttle Reveal Modulation of Genes Associated to Drought Tolerance by Chloroplast Redox Poise. International Journal of Molecular Sciences, 2020, 21, 7199.	4.1	12
14	Metabolic reprogramming of osteoclasts represents a therapeutic target during the treatment of osteoporosis. Scientific Reports, 2020, 10, 21020.	3.3	29
15	Vernalization Alters Sink and Source Identities and Reverses Phloem Translocation from Taproots to Shoots in Sugar Beet. Plant Cell, 2020, 32, 3206-3223.	6.6	30
16	Tagging and catching: rapid isolation and efficient labeling of organelles using the covalent Spy-System in planta. Plant Methods, 2020, 16, 122.	4.3	5
17	The Cassava Sourceâ€“Sink project: opportunities and challenges for crop improvement by metabolic engineering. Plant Journal, 2020, 103, 1655-1665.	5.7	33
18	Synchronization of developmental, molecular and metabolic aspects of sourceâ€“sink interactions. Nature Plants, 2020, 6, 55-66.	9.3	107

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19	Metabolic profiles of six African cultivars of cassava (Manihot esculenta Crantz) highlight bottlenecks of root yield. Plant Journal, 2020, 102, 1202-1219.	5.7	27
20	Future-Proofing Potato for Drought and Heat Tolerance by Overexpression of Hexokinase and SP6A. Frontiers in Plant Science, 2020, 11, 614534.	3.6	25
21	Long-living and highly efficient bio-hybrid light-emitting diodes with zero-thermal-quenching biophosphors. Nature Communications, 2020, 11, 879.	12.8	24
22	Deciphering the genetic basis for vitamin E accumulation in leaves and grains of different barley accessions. Scientific Reports, 2019, 9, 9470.	3.3	7
23	Symplasmic phloem unloading and radial post-phloem transport via vascular rays in tuberous roots of Manihot esculenta. Journal of Experimental Botany, 2019, 70, 5559-5573.	4.8	39
24	Post-transcriptional Regulation of FLOWERING LOCUS T Modulates Heat-Dependent Source-Sink Development in Potato. Current Biology, 2019, 29, 1614-1624.e3.	3.9	58
25	Proteomics of diphtheria toxoid vaccines reveals multiple proteins that are immunogenic and may contribute to protection of humans against Corynebacterium diphtheriae. Vaccine, 2019, 37, 3061-3070.	3.8	25
26	Source-Sink Regulation Is Mediated by Interaction of an FT Homolog with a SWEET Protein in Potato. Current Biology, 2019, 29, 1178-1186.e6.	3.9	137
27	Silencing of Î±-amylase StAmy23 in potato tuber leads to delayed sprouting. Plant Physiology and Biochemistry, 2019, 139, 411-418.	5.8	19
28	Cassava Metabolomics and Starch Quality. Current Protocols in Plant Biology, 2019, 4, e20102.	2.8	16
29	Next-generation strategies for understanding and influencing sourceâ€“sink relations in crop plants. Current Opinion in Plant Biology, 2018, 43, 63-70.	7.1	119
30	Plant synthetic biology: One answer to global challenges. Journal of Integrative Plant Biology, 2018, 60, 1124-1126.	8.5	2
31	Single-Component Biohybrid Light-Emitting Diodes Using a White-Emitting Fused Protein. ACS Omega, 2018, 3, 15829-15836.	3.5	21
32	Deciphering source and sink responses of potato plants (<scp>Solanum tuberosum</scp> L.) to elevated temperatures. Plant, Cell and Environment, 2018, 41, 2600-2616.	5.7	51
33	Light-Emitting Diodes: Micropatterned Down-Converting Coating for White Bio-Hybrid Light-Emitting Diodes (Adv. Funct. Mater. 1/2017). Advanced Functional Materials, 2017, 27, .	14.9	0
34	Genome-wide analysis of starch metabolism genes in potato (Solanum tuberosum L.). BMC Genomics, 2017, 18, 37.	2.8	98
35	Differences and commonalities of plant responses to single and combined stresses. Plant Journal, 2017, 90, 839-855.	5.7	206
36	Metabolite profiling of barley flag leaves under drought and combined heat and drought stress reveals metabolic QTLs for metabolites associated with antioxidant defense. Journal of Experimental Botany, 2017, 68, 1697-1713.	4.8	109

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37	Comparative proteomic profiling of the choline transporterâ€like1 (<scp>CHER</scp>1) mutant provides insights into plasmodesmata composition of fully developed Arabidopsis thaliana leaves. Plant Journal, 2017, 92, 696-709.	5.7	45
38	Choline transporterâ€like1 (<scp>CHER</scp>1) is crucial for plasmodesmata maturation in Arabidopsis thaliana. Plant Journal, 2017, 89, 394-406.	5.7	58
39	Micropatterned Downâ€Converting Coating for White Bioâ€Hybrid Lightâ€Emitting Diodes. Advanced Functional Materials, 2017, 27, 1601792.	14.9	33
40	The stress granule component G3BP is a novel interaction partner for the nuclear shuttle proteins of the nanovirus pea necrotic yellow dwarf virus and geminivirus abutilon mosaic virus. Virus Research, 2017, 227, 6-14.	2.2	52
41	Amylases StAmy23, StBAM1 and StBAM9 regulate cold-induced sweetening of potato tubers in distinct ways. Journal of Experimental Botany, 2017, 68, 2317-2331.	4.8	62
42	Chloroplast Redox Status Modulates Genome-Wide Plant Responses during the Non-host Interaction of Tobacco with the Hemibiotrophic Bacterium Xanthomonas campestris pv. vesicatoria. Frontiers in Plant Science, 2017, 8, 1158.	3.6	47
43	Sugar Accumulation in Leaves of Arabidopsis sweet11/sweet12 Double Mutants Enhances Priming of the Salicylic Acid-Mediated Defense Response. Frontiers in Plant Science, 2017, 8, 1378.	3.6	83
44	Hop/Sti1 â€“ A Two-Faced Cochaperone Involved in Pattern Recognition Receptor Maturation and Viral Infection. Frontiers in Plant Science, 2017, 8, 1754.	3.6	25
45	Protein kinases responsible for the phosphorylation of the nuclear egress core complex of human cytomegalovirus. Journal of General Virology, 2017, 98, 2569-2581.	2.9	36
46	Probing the potential of CnaB-type domains for the design of tag/catcher systems. PLoS ONE, 2017, 12, e0179740.	2.5	21
47	Simultaneous silencing of isoamylases ISA1, ISA2 and ISA3 by multi-target RNAi in potato tubers leads to decreased starch content and an early sprouting phenotype. PLoS ONE, 2017, 12, e0181444.	2.5	25
48	Human Cytomegalovirus Nuclear Egress Proteins Ectopically Expressed in the Heterologous Environment of Plant Cells are Strictly Targeted to the Nuclear Envelope. Viruses, 2016, 8, 73.	3.3	5
49	Human promyelocytic leukemia protein is targeted to distinct subnuclear domains in plant nuclei and colocalizes with nucleolar constituents in a <scp>SUMO</scp>â€dependent manner. FEBS Open Bio, 2016, 6, 1141-1154.	2.3	2
50	Easy and versatile coating approach for long-living white hybrid light-emitting diodes. Materials Horizons, 2016, 3, 340-347.	12.2	35
51	Flowering Time-Regulated Genes in Maize Include the Transcription Factor ZmMADS1. Plant Physiology, 2016, 172, 389-404.	4.8	70
52	Demand for food as driver for plant sink development. Journal of Plant Physiology, 2016, 203, 110-115.	3.5	25
53	Interaction of Movement Proteins with Host Factors, Mechanism of Viral Host Cell Manipulation and Influence of MPs on Plant Growth and Development. , 2016, , 1-37.		1
54	Bioinspired Hybrid White Lightâ€Emitting Diodes. Advanced Materials, 2015, 27, 5493-5498.	21.0	72

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55	Engineering of Metabolic Pathways by Artificial Enzyme Channels. Frontiers in Bioengineering and Biotechnology, 2015, 3, 168.	4.1	67
56	How Potato Plants Take the Heat?. Procedia Environmental Sciences, 2015, 29, 97.	1.4	10
57	Tocopherol deficiency reduces sucrose export from salt-stressed potato leaves independently of oxidative stress and symplastic obstruction by callose. Journal of Experimental Botany, 2015, 66, 957-971.	4.8	32
58	An integrated functional approach to dissect systemic responses in maize to arbuscular mycorrhizal symbiosis. Plant, Cell and Environment, 2015, 38, 1591-1612.	5.7	53
59	Subtle Regulation of Potato Acid Invertase Activity by a Protein Complex of Invertase, Invertase Inhibitor, and SUCROSE NONFERMENTING1-RELATED PROTEIN KINASE. Plant Physiology, 2015, 168, 1807-1819.	4.8	47
60	ÃŸ-amylase1 mutantArabidopsisplants show improved drought tolerance due to reduced starch breakdown in guard cells. Journal of Experimental Botany, 2015, 66, 6059-6067.	4.8	59
61	Signaling events in plants: Stress factors in combination change the picture. Environmental and Experimental Botany, 2015, 114, 4-14.	4.2	151
62	Strasburger â˜ Lehrbuch der Pflanzenwissenschaften. , 2014, , .		52
63	Regulation of potato tuber sprouting. Planta, 2014, 239, 27-38.	3.2	170
64	Grundlagen der Biosynthese und des Abbaus von Proteinen. , 2014, , 217-226.		0
65	Adaptation of maize source leaf metabolism to stress related disturbances in carbon, nitrogen and phosphorus balance. BMC Genomics, 2013, 14, 442.	2.8	100
66	A primer to â€˜bio-objectsâ€™: new challenges at the interface of science, technology and society. Systems and Synthetic Biology, 2013, 7, 1-6.	1.0	9
67	Simultaneous Application of Heat, Drought, and Virus to Arabidopsis Plants Reveals Significant Shifts in Signaling Networks. Plant Physiology, 2013, 162, 1849-1866.	4.8	446
68	How Do Stomata Sense Reductions in Atmospheric Relative Humidity?. Molecular Plant, 2013, 6, 1703-1706.	8.3	28
69	Starchesâ€”from current models to genetic engineering. Plant Biotechnology Journal, 2013, 11, 223-232.	8.3	81
70	The Stomatal Response to Reduced Relative Humidity Requires Guard Cell-Autonomous ABA Synthesis. Current Biology, 2013, 23, 53-57.	3.9	415
71	A dual role of tobacco hexokinase 1 in primary metabolism and sugar sensing. Plant, Cell and Environment, 2013, 36, 1311-1327.	5.7	64
72	In silico selection ofArabidopsis thalianaecotypes with enhanced stress tolerance. Plant Signaling and Behavior, 2013, 8, e26364.	2.4	5

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73	The Ustilago maydis Nit2 Homolog Regulates Nitrogen Utilization and Is Required for Efficient Induction of Filamentous Growth. Eukaryotic Cell, 2012, 11, 368-380.	3.4	38
74	Maize Source Leaf Adaptation to Nitrogen Deficiency Affects Not Only Nitrogen and Carbon Metabolism But Also Control of Phosphate Homeostasis Â Â. Plant Physiology, 2012, 160, 1384-1406.	4.8	170
75	The plastid outer envelope protein OEP16 affects metabolic fluxes during ABA-controlled seed development and germination. Journal of Experimental Botany, 2012, 63, 1919-1936.	4.8	32
76	Regulation of Cell Wall-Bound Invertase in Pepper Leaves by Xanthomonas campestris pv. vesicatoria Type Three Effectors. PLoS ONE, 2012, 7, e51763.	2.5	54
77	The Arabidopsis DCP2 gene is required for proper mRNA turnover and prevents transgene silencing in Arabidopsis. Plant Journal, 2012, 72, 368-377.	5.7	53
78	Simultaneous boosting of source and sink capacities doubles tuber starch yield of potato plants. Plant Biotechnology Journal, 2012, 10, 1088-1098.	8.3	65
79	OPTIMAS-DW: A comprehensive transcriptomics, metabolomics, ionomics, proteomics and phenomics data resource for maize. BMC Plant Biology, 2012, 12, 245.	3.6	47
80	The Mode of Sucrose Degradation in Potato Tubers Determines the Fate of Assimilate Utilization. Frontiers in Plant Science, 2012, 3, 23.	3.6	29
81	Purification, crystallization and preliminary X-ray diffraction analysis of the Hsp40 protein CPIP1 fromNicotiana tabacum. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 236-239.	0.7	1
82	Der Beitrag der GrÃ¼nen Gentechnik. Biologie in Unserer Zeit, 2012, 42, 112-119.	0.2	0
83	Hypoallergenic profilin â€“ a new way to identify allergenic determinants. FEBS Journal, 2012, 279, 2727-2736.	4.7	2
84	Xyloglucan endotransglucosylase and cell wall extensibility. Journal of Plant Physiology, 2011, 168, 196-203.	3.5	66
85	PD Trafficking of Potato Leaf Roll Virus Movement Protein in Arabidopsis Depends on Site-specific Protein Phosphorylation. Frontiers in Plant Science, 2011, 2, 18.	3.6	24
86	Common motifs in the response of cereal primary metabolism to fungal pathogens are not based on similar transcriptional reprogramming. Frontiers in Plant Science, 2011, 2, 39.	3.6	25
87	Silencing ?1,2-xylosyltransferase in Transgenic Tomato Fruits Reveals xylose as Constitutive Component of Ige-Binding Epitopes. Frontiers in Plant Science, 2011, 2, 42.	3.6	19
88	Detecting functional groups of Arabidopsis mutants by metabolic profiling and evaluation of pleiotropic responses. Frontiers in Plant Science, 2011, 2, 82.	3.6	7
89	Sweets â€“ The Missing Sugar Efflux Carriers. Frontiers in Plant Science, 2011, 2, 7.	3.6	11
90	Identification of virulence genes in the corn pathogenColletotrichum graminicolabyAgrobacterium tumefaciensâ€mediated transformation. Molecular Plant Pathology, 2011, 12, 43-55.	4.2	49

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91	The second face of a known player: Arabidopsis silencing suppressor AtXRN4 acts organâ€specifically. New Phytologist, 2011, 189, 484-493.	7.3	13
92	AtHsp70â€15â€deficient Arabidopsis plants are characterized by reduced growth, a constitutive cytosolic protein response and enhanced resistance to TuMV. Plant Journal, 2011, 66, 983-995.	5.7	101
93	Response to the criticism by Taube et al. in ESE 23:1, 2011, on the booklet "Green Genetic Engineering" published by the German Research Foundation (DFG). Environmental Sciences Europe, 2011, 23, .	11.0	3
94	Systems Analysis of a Maize Leaf Developmental Gradient Redefines the Current C4 Model and Provides Candidates for Regulation Â. Plant Cell, 2011, 23, 4208-4220.	6.6	165
95	Reactivation of Meristem Activity and Sprout Growth in Potato Tubers Require Both Cytokinin and Gibberellin Â Â Â. Plant Physiology, 2011, 155, 776-796.	4.8	143
96	Altering Trehalose-6-Phosphate Content in Transgenic Potato Tubers Affects Tuber Growth and Alters Responsiveness to Hormones during Sprouting Â Â. Plant Physiology, 2011, 156, 1754-1771.	4.8	138
97	Deoxyuridine triphosphatase expression defines the transition from dormant to sprouting potato tuber buds. Molecular Breeding, 2010, 26, 525-531.	2.1	17
98	Progress in physiological research and its relevance for agriculture and ecology. Current Opinion in Plant Biology, 2010, 13, 227-232.	7.1	3
99	Comparative transcriptome analysis coupled to X-ray CT reveals sucrose supply and growth velocity as major determinants of potato tuber starch biosynthesis. BMC Genomics, 2010, 11, 93.	2.8	63
100	Yeast profilin complements profilin deficiency in transgenic tomato fruits and allows development of hypoallergenic tomato fruits. FASEB Journal, 2010, 24, 4939-4947.	0.5	2
101	Transcriptome and metabolome profiling of field-grown transgenic barley lack induced differences but show cultivar-specific variances. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6198-6203.	7.1	114
102	Yeast profilin complements profilin deficiency in transgenic tomato fruits and allows development of hypoallergenic tomato fruits. FASEB Journal, 2010, 24, 4939-4947.	0.5	22
103	HSP70 and Its Cochaperone CPIP Promote Potyvirus Infection in Nicotiana benthamiana by Regulating Viral Coat Protein Functions. Plant Cell, 2010, 22, 523-535.	6.6	125
104	Overexpression of a Cell Wall Enzyme Reduces Xyloglucan Depolymerization and Softening of Transgenic Tomato Fruits. Journal of Agricultural and Food Chemistry, 2010, 58, 5708-5713.	5.2	77
105	Ustilago maydis Infection Strongly Alters Organic Nitrogen Allocation in Maize and Stimulates Productivity of Systemic Source Leaves Â Â. Plant Physiology, 2009, 152, 293-308.	4.8	98
106	Phytohormones in plant root-Piriformospora indicamutualism. Plant Signaling and Behavior, 2009, 4, 669-671.	2.4	44
107	Tocopherol deficiency in transgenic tobacco (Nicotiana tabacum L.) plants leads to accelerated senescence. Plant, Cell and Environment, 2009, 32, 144-157.	5.7	57
108	Manipulation of plant innate immunity and gibberellin as factor of compatibility in the mutualistic association of barley roots with Piriformospora indica. Plant Journal, 2009, 59, 461-474.	5.7	183

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109	Antisense inhibition of enolase strongly limits the metabolism of aromatic amino acids, but has only minor effects on respiration in leaves of transgenic tobacco plants. New Phytologist, 2009, 184, 607-618.	7.3	46
110	Genes driving potato tuber initiation and growth: identification based on transcriptional changes using the POCI array. Functional and Integrative Genomics, 2008, 8, 329-340.	3.5	114
111	Largeâ€scale phenotyping of transgenic tobacco plants (Nicotiana tabacum) to identify essential leaf functions. Plant Biotechnology Journal, 2008, 6, 246-263.	8.3	24
112	Loss of cytosolic fructoseâ€1,6â€bisphosphatase limits photosynthetic sucrose synthesis and causes severe growth retardations in rice (Oryza sativa). Plant, Cell and Environment, 2008, 31, 1851-1863.	5.7	73
113	Reprogramming a maize plant: transcriptional and metabolic changes induced by the fungal biotroph Ustilago maydis. Plant Journal, 2008, 56, 181-195.	5.7	328
114	Infection of maize leaves with Ustilago maydis prevents establishment of C4 photosynthesis. Journal of Plant Physiology, 2008, 165, 19-28.	3.5	80
115	Cell Wall-Bound Invertase Limits Sucrose Export and Is Involved in Symptom Development and Inhibition of Photosynthesis during Compatible Interaction between Tomato andXanthomonas campestrispvvesicatoriaÂ Â. Plant Physiology, 2008, 148, 1523-1536.	4.8	158
116	The Silver Lining of a Viral Agent: Increasing Seed Yield and Harvest Index in Arabidopsis by Ectopic Expression of the Potato Leaf Roll Virus Movement Protein. Plant Physiology, 2007, 145, 905-918.	4.8	29
117	Calystegines in potatoes with genetically engineered carbohydrate metabolism. Journal of Experimental Botany, 2007, 58, 1603-1615.	4.8	17
118	Regulation of Arbuscular Mycorrhization by Carbon. The Symbiotic Interaction Cannot Be Improved by Increased Carbon Availability Accomplished by Root-Specifically Enhanced Invertase Activity. Plant Physiology, 2007, 143, 1827-1840.	4.8	67
119	Regulation of Arbuscular Mycorrhization by Carbon. The Symbiotic Interaction Cannot Be Improved by Increased Carbon Availability Accomplished by Root-Specifically Enhanced Invertase Activity. Plant Physiology, 2007, 143, 1827-1840.	4.8	65
120	Capsid Protein-Mediated Recruitment of Host DnaJ-Like Proteins Is Required for Potato Virus Y Infection in Tobacco Plants. Journal of Virology, 2007, 81, 11870-11880.	3.4	123
121	Specific Roles of Î±- and Î³-Tocopherol in Abiotic Stress Responses of Transgenic Tobacco. Plant Physiology, 2007, 143, 1720-1738.	4.8	236
122	Functional analysis of the essential bifunctional tobacco enzyme 3-dehydroquinate dehydratase/shikimate dehydrogenase in transgenic tobacco plants. Journal of Experimental Botany, 2007, 58, 2053-2067.	4.8	70
123	RNA interference-mediated repression of sucrose-phosphatase in transgenic potato tubers (Solanum) Tj ETQq1 1 0.784314 rgBT /Ove on total soluble carbohydrate accumulation. Plant, Cell and Environment, 2007, 31, 071115091544001-???.	5.7	32
124	Intracellular Trafficking of Potato Leafroll VirusMovement Protein in Transgenic Arabidopsis. Traffic, 2007, 8, 1205-1214.	2.7	75
125	Characterisation of the ATP-dependent phosphofructokinase gene family fromArabidopsis thaliana. FEBS Letters, 2007, 581, 2401-2410.	2.8	78
126	The complex network of non-cellulosic carbohydrate metabolism. Current Opinion in Plant Biology, 2007, 10, 227-235.	7.1	31

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127	PYRIMIDINE AND PURINE BIOSYNTHESIS AND DEGRADATION IN PLANTS. Annual Review of Plant Biology, 2006, 57, 805-836.	18.7	492
128	Skin prick tests reveal stable and heritable reduction of allergenic potency of gene-silenced tomato fruits. Journal of Allergy and Clinical Immunology, 2006, 118, 711-718.	2.9	56
129	Reduced allergenicity of tomato fruits harvested from Lyc e 1â€“silenced transgenic tomato plants. Journal of Allergy and Clinical Immunology, 2006, 118, 1176-1183.	2.9	86
130	Macroarray expression analysis of barley susceptibility and nonhost resistance to Blumeria graminis. Journal of Plant Physiology, 2006, 163, 657-670.	3.5	24
131	Plantâ€“microbe interactions to probe regulation of plant carbon metabolism. Journal of Plant Physiology, 2006, 163, 307-318.	3.5	110
132	Transgenic Flavonoid Tomato Intake Reduces C-Reactive Protein in Human C-Reactive Protein Transgenic Mice More Than Wild-Type Tomato. Journal of Nutrition, 2006, 136, 2331-2337.	2.9	58
133	Design of tomato fruits with reduced allergenicity by dsRNAi-mediated inhibition of ns-LTP (Lyc e 3) expression. Plant Biotechnology Journal, 2006, 4, 231-242.	8.3	102
134	Growth at elevated CO2 concentrations leads to modified profiles of secondary metabolites in tobacco cv. SamsunNN and to increased resistance against infection with potato virus Y. Plant, Cell and Environment, 2006, 29, 126-137.	5.7	148
135	The influence of cytosolic phosphorylating glyceraldehyde 3-phosphate dehydrogenase (GAPC) on potato tuber metabolism. Journal of Experimental Botany, 2006, 57, 2363-2377.	4.8	29
136	Decreased sucrose-6-phosphate phosphatase level in transgenic tobacco inhibits photosynthesis, alters carbohydrate partitioning, and reduces growth. Planta, 2005, 221, 479-492.	3.2	76
137	Expression of an Escherichia coli phosphoglucomutase in potato (Solanum tuberosum L.) results in minor changes in tuber metabolism and a considerable delay in tuber sprouting. Planta, 2005, 221, 915-927.	3.2	18
138	Ectopic Expression of Constitutively Activated RACB in Barley Enhances Susceptibility to Powdery Mildew and Abiotic Stress. Plant Physiology, 2005, 139, 353-362.	4.8	80
139	The genotypic variation of the antioxidant potential of different tomato varieties. Free Radical Research, 2005, 39, 1005-1016.	3.3	37
140	Isolation and functional characterization of a novel plastidic hexokinase from Nicotiana tabacum. FEBS Letters, 2005, 579, 827-831.	2.8	75
141	A transposon-based activation-tagging population inArabidopsis thaliana(TAMARA) and its application in the identification of dominant developmental and metabolic mutations. FEBS Letters, 2005, 579, 4622-4628.	2.8	38
142	No need to shift the paradigm on the metabolic pathway to transitory starch in leaves. Trends in Plant Science, 2005, 10, 154-156.	8.8	35
143	Molecular analysis of "de novo" purine biosynthesis in solanaceous species and in Arabidopsis Thaliana. Frontiers in Bioscience - Landmark, 2004, 9, 1803.	3.0	41
144	Local Induction of the alc Gene Switch in Transgenic Tobacco Plants by Acetaldehyde. Plant and Cell Physiology, 2004, 45, 1566-1577.	3.1	27

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145	Impact of Altered Gibberellin Metabolism on Biomass Accumulation, Lignin Biosynthesis, and Photosynthesis in Transgenic Tobacco Plants. Plant Physiology, 2004, 135, 254-265.	4.8	286
146	RNAi-Mediated Tocopherol Deficiency Impairs Photoassimilate Export in Transgenic Potato Plants. Plant Physiology, 2004, 135, 1256-1268.	4.8	157
147	Target-based discovery of novel herbicides. Current Opinion in Plant Biology, 2004, 7, 219-225.	7.1	54
148	Temporally regulated expression of a yeast invertase in potato tubers allows dissection of the complex metabolic phenotype obtained following its constitutive expression. Plant Molecular Biology, 2004, 56, 91-110.	3.9	40
149	Transgenic tobacco plants expressing antisense ferredoxin-NADP(H) reductase transcripts display increased susceptibility to photo-oxidative damage. Plant Journal, 2003, 35, 332-341.	5.7	60
150	Temporal and spatial control of gene silencing in transgenic plants by inducible expression of double-stranded RNA. Plant Journal, 2003, 36, 731-740.	5.7	94
151	Antibody jabs for plant enzymes. Nature Biotechnology, 2003, 21, 35-36.	17.5	3
152	In plants the alc gene expression system responds more rapidly following induction with acetaldehyde than with ethanol. FEBS Letters, 2003, 535, 136-140.	2.8	46
153	Plant Biotechnology: From basic science to industrial applications. Journal of Plant Physiology, 2003, 160, 723-725.	3.5	10
154	Vitamin E biosynthesis: biochemistry meets cell biology. Trends in Plant Science, 2003, 8, 6-8.	8.8	96
155	Decreased sucrose content triggers starch breakdown and respiration in stored potato tubers (Solanum tuberosum). Journal of Experimental Botany, 2003, 54, 477-488.	4.8	91
156	Production of Human Papillomavirus Type 16 Virus-Like Particles in Transgenic Plants. Journal of Virology, 2003, 77, 9211-9220.	3.4	176
157	Ethanol Vapor Is an Efficient Inducer of the alc Gene Expression System in Model and Crop Plant Species. Plant Physiology, 2002, 129, 943-948.	4.8	57
158	Potato tubers as bioreactors for palatinose production. Journal of Biotechnology, 2002, 96, 119-124.	3.8	36
159	High-level production of the non-cariogenic sucrose isomer palatinose in transgenic tobacco plants strongly impairs development. Planta, 2002, 214, 356-364.	3.2	31
160	Small changes in the activity of chloroplastic NADP+-dependent ferredoxin oxidoreductase lead to impaired plant growth and restrict photosynthetic activity of transgenic tobacco plants. Plant Journal, 2002, 29, 281-293.	5.7	124
161	Cloning and molecular characterization of the Nicotiana tabacum purH cDNA encoding 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/inosine monophosphate cyclohydrolase. Journal of Plant Physiology, 2001, 158, 1591-1599.	3.5	6
162	Control of potato tuber sprouting. Trends in Plant Science, 2001, 6, 333-335.	8.8	111

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163	Functional characterisation of Nicotiana tabacum xyloglucan endotransglycosylase (Nt XET-1): generation of transgenic tobacco plants and changes in cell wall xyloglucan. Planta, 2001, 212, 279-287.	3.2	44
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