Hitoshi Sakakibara

List of Publications by Year in Descending Order

285 papers	24,330 citations	80 h-index	149 g-index
302 ext. papers	29,705 ext. citations	7.2 avg, IF	6.96 L-index

#	Paper	IF	Citations
285	Evolutionary alterations in gene expression and enzymatic activities of gibberellin 3-oxidase 1 in Oryza.. *Communications Biology*, **2022**, 5, 67	6.7	0
284	Cytosolic Glutamine Synthetase GS1;3 Is Involved in Rice Grain Ripening and Germination.. *Frontiers in Plant Science*, **2022**, 13, 835835	6.2	1
283	Diminished Auxin Signaling Triggers Cellular Reprogramming by Inducing a Regeneration Factor in the Liverwort Marchantia polymorpha.. *Plant and Cell Physiology*, **2022**,	4.9	1
282	Plant stem cell research is uncovering the secrets of longevity and persistent growth. *Plant Journal*, **2021**, 106, 326-335	6.9	7
281	Acetic-acid-induced jasmonate signaling in root enhances drought avoidance in rice. *Scientific Reports*, **2021**, 11, 6280	4.9	6
280	Gene expression evolution in pattern-triggered immunity within Arabidopsis thaliana and across Brassicaceae species. *Plant Cell*, **2021**,	11.6	8
279	Nitrogen Nutrition Promotes Rhizome Bud Outgrowth via Regulation of Cytokinin Biosynthesis Genes and an Ortholog of. *Frontiers in Plant Science*, **2021**, 12, 670101	6.2	1
278	Forchlorfenuron Application Induced Parthenocarpic Fruit Formation without Affecting Fruit Quality of Cucumber. *Horticulturae*, **2021**, 7, 128	2.5	0
277	Cytokinin and auxin modulate cucumber parthenocarpy fruit development. *Scientia Horticulturae*, **2021**, 282, 110026	4.1	3
276	Sugars enhance parthenocarpic fruit formation in cucumber by promoting auxin and cytokinin signaling. *Scientia Horticulturae*, **2021**, 283, 110061	4.1	3
275	Alterations in hormonal signals spatially coordinate distinct responses to DNA double-strand breaks in roots. *Science Advances*, **2021**, 7,	14.3	1
274	Identification of the unique molecular framework of heterophylly in the amphibious plant Callitriche palustris L. *Plant Cell*, **2021**, 33, 3272-3292	11.6	3
273	Cytokinin biosynthesis and transport for systemic nitrogen signaling. *Plant Journal*, **2021**, 105, 421-430	6.9	18
272	Endogenous gibberellins affect root nodule symbiosis via transcriptional regulation of NODULE INCEPTION in Lotus japonicus. *Plant Journal*, **2021**, 105, 1507-1520	6.9	5
271	Improvement of yield and grain quality by periodic cold plasma treatment with rice plants in a paddy field. *Plasma Processes and Polymers*, **2021**, 18, 2000181	3.4	8
270	Excessive ammonium assimilation by plastidic glutamine synthetase causes ammonium toxicity in Arabidopsis thaliana. *Nature Communications*, **2021**, 12, 4944	17.4	20
269	Differences in xylem development between Dutch and Japanese tomato (Solanum lycopersicum) correlate with cytokinin levels in hypocotyls. *Annals of Botany*, **2020**, 126, 315-322	4.1	2

268	Diverse panicle architecture results from various combinations of Prl5/GA20ox4 and Pbl6/APO1 alleles. *Communications Biology*, **2020**, 3, 302	6.7	6
267	The Maize () Mutation Alters Leaf Patterning through Increased Cytokinin Signaling. *Plant Cell*, **2020**, 32, 1501-1518	11.6	12
266	Metabolite and Phytohormone Profiling Illustrates Metabolic Reprogramming as an Escape Strategy of Deepwater Rice during Partially Submerged Stress. *Metabolites*, **2020**, 10,	5.6	6
265	Metabolite/phytohormone-gene regulatory networks in soybean organs under dehydration conditions revealed by integration analysis. *Plant Journal*, **2020**, 103, 197-211	6.9	5
264	Overexpression of Sucrose Phosphate Synthase Enhanced Sucrose Content and Biomass Production in Transgenic Sugarcane. *Plants*, **2020**, 9,	4.5	15
263	Harnessing symbiotic plant-fungus interactions to unleash hidden forces from extreme plant ecosystems. *Journal of Experimental Botany*, **2020**, 71, 3865-3877	7	9
262	Genome-wide responses to shoot nitrate satiety are attenuated by external ammonium in Arabidopsis thaliana. *Soil Science and Plant Nutrition*, **2020**, 66, 317-327	1.6	1
261	Flowering time control in rice by introducing Arabidopsis clock-associated PSEUDO-RESPONSE REGULATOR 5. *Bioscience, Biotechnology and Biochemistry*, **2020**, 84, 970-979	2.1	6
260	Comprehensive analysis of the mechanisms underlying enhanced growth and root N acquisition in rice by the endophytic diazotroph, Burkholderia vietnamiensis RS1. *Plant and Soil*, **2020**, 450, 537-555	4.2	5
259	Columnar growth phenotype in apple results from gibberellin deficiency by ectopic expression of a dioxygenase gene. *Tree Physiology*, **2020**, 40, 1205-1216	4.2	6
258	Molecular Basis for Natural Vegetative Propagation via Regeneration in North American Lake Cress, Rorippa aquatica (Brassicaceae). *Plant and Cell Physiology*, **2020**, 61, 353-369	4.9	3
257	A genome resource for green millet Setaria viridis enables discovery of agronomically valuable loci. *Nature Biotechnology*, **2020**, 38, 1203-1210	44.5	43
256	Antagonistic regulation of the gibberellic acid response during stem growth in rice. *Nature*, **2020**, 584, 109-114	50.4	23
255	The inhibition of SlIAA9 mimics an increase in endogenous auxin and mediates changes in auxin and gibberellin signalling during parthenocarpic fruit development in tomato. *Journal of Plant Physiology*, **2020**, 252, 153238	3.6	3
254	Difference Between Day and Night Temperatures Affects Stem Elongation in Tomato () Seedlings via Regulation of Gibberellin and Auxin Synthesis. *Frontiers in Plant Science*, **2020**, 11, 577235	6.2	8
253	Integrative omics approaches revealed a crosstalk among phytohormones during tuberous root development in cassava. *Plant Molecular Biology*, **2020**, 1	4.6	7
252	Molecular and Biochemical Differences in Leaf Explants and the Implication for Regeneration Ability in (Brassicaceae). *Plants*, **2020**, 9,	4.5	1
251	Fruit setting rewires central metabolism via gibberellin cascades. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 23970-23981	11.5	11

250	Genome Sequence of Striga asiatica Provides Insight into the Evolution of Plant Parasitism. *Current Biology*, **2019**, 29, 3041-3052.e4	6.3	59
249	Apoplastic peroxidases enable an additional sulphite detoxification strategy and act as first line of defence upon exposure to sulphur containing gas. *Environmental and Experimental Botany*, **2019**, 157, 140-150	5.9	2
248	Cytokinin Signaling Is Essential for Organ Formation in Marchantia polymorpha. *Plant and Cell Physiology*, **2019**, 60, 1842-1854	4.9	19
247	Sugar-induced de novo cytokinin biosynthesis contributes to Arabidopsis growth under elevated CO. *Scientific Reports*, **2019**, 9, 7765	4.9	31
246	Global transcriptome analyses reveal that infection with chrysanthemum stunt viroid (CSVd) affects gene expression profile of chrysanthemum plants, but the genes involved in plant hormone metabolism and signaling may not be silencing target of CSVd-siRNAs. *Plant Gene*, **2019**, 18, 100181	3.1	7
245	An efficient DNA- and selectable-marker-free genome-editing system using zygotes in rice. *Nature Plants*, **2019**, 5, 363-368	11.5	72
244	Overexpression of Prunus DAM6 inhibits growth, represses bud break competency of dormant buds and delays bud outgrowth in apple plants. *PLoS ONE*, **2019**, 14, e0214788	3.7	34
243	Chromatin interacting factor OsVIL2 increases biomass and rice grain yield. *Plant Biotechnology Journal*, **2019**, 17, 178-187	11.6	15
242	A Positive Feedback Loop Comprising LHW-TMO5 and Local Auxin Biosynthesis Regulates Initial Vascular Development in Arabidopsis Roots. *Plant and Cell Physiology*, **2019**, 60, 2684-2691	4.9	6
241	Tuber-Specific Expression of Two Gibberellin Oxidase Transgenes from Arabidopsis Regulates over Wide Ranges the Potato Tuber Formation. *Russian Journal of Plant Physiology*, **2019**, 66, 984-991	1.6	2
240	Aberrant Stamen Development is Associated with Parthenocarpic Fruit Set Through Up-Regulation of Gibberellin Biosynthesis in Tomato. *Plant and Cell Physiology*, **2019**, 60, 38-51	4.9	9
239	Abscisic Acid Acts as a Regulator of Molecular Trafficking through Plasmodesmata in the Moss Physcomitrella patens. *Plant and Cell Physiology*, **2019**, 60, 738-751	4.9	10
238	Effects of instantaneous and growth CO levels and abscisic acid on stomatal and mesophyll conductances. *Plant, Cell and Environment*, **2019**, 42, 1257-1269	8.4	17
237	Shoot nitrate underlies a perception of nitrogen satiety to trigger local and systemic signaling cascades in Arabidopsis thaliana. *Soil Science and Plant Nutrition*, **2019**, 65, 56-64	1.6	6
236	Structural and functional insights into the modulation of the activity of a flax cytokinin oxidase by flax rust effector AvrL567-A. *Molecular Plant Pathology*, **2019**, 20, 211-222	5.7	7
235	A gene-stacking approach to overcome the trade-off between drought stress tolerance and growth in Arabidopsis. *Plant Journal*, **2019**, 97, 240-256	6.9	23
234	Time-Course Transcriptomics Analysis Reveals Key Responses of Submerged Deepwater Rice to Flooding. *Plant Physiology*, **2018**, 176, 3081-3102	6.6	30
233	Repression of Nitrogen Starvation Responses by Members of the Arabidopsis GARP-Type Transcription Factor NIGT1/HRS1 Subfamily. *Plant Cell*, **2018**, 30, 925-945	11.6	76

232	A NIGT1-centred transcriptional cascade regulates nitrate signalling and incorporates phosphorus starvation signals in Arabidopsis. *Nature Communications*, **2018**, 9, 1376	17.4	101
231	Jasmonic acid facilitates flower opening and floral organ development through the upregulated expression of SlMYB21 transcription factor in tomato. *Bioscience, Biotechnology and Biochemistry*, **2018**, 82, 292-303	2.1	19
230	Suppression of DELLA signaling induces procambial cell formation in culture. *Plant Journal*, **2018**, 94, 48-59	6.9	4
229	Differential Metal Tolerance and Accumulation Patterns of Cd, Cu, Pb and Zn in the Liverwort Marchantia polymorpha L. *Bulletin of Environmental Contamination and Toxicology*, **2018**, 100, 444-450	2.7	10
228	Salicylic Acid and Jasmonic Acid Pathways are Activated in Spatially Different Domains Around the Infection Site During Effector-Triggered Immunity in Arabidopsis thaliana. *Plant and Cell Physiology*, **2018**, 59, 8-16	4.9	86
227	Variation in Splicing Efficiency Underlies Morphological Evolution in Capsella. *Developmental Cell*, **2018**, 44, 192-203.e5	10.2	12
226	SlLAX1 is Required for Normal Leaf Development Mediated by Balanced Adaxial and Abaxial Pavement Cell Growth in Tomato. *Plant and Cell Physiology*, **2018**, 59, 1170-1186	4.9	9
225	Plant hormone cytokinins control cell cycle progression and plastid replication in apicomplexan parasites. *Parasitology International*, **2018**, 67, 47-58	2.1	10
224	The reduction in maize leaf growth under mild drought affects the transition between cell division and cell expansion and cannot be restored by elevated gibberellic acid levels. *Plant Biotechnology Journal*, **2018**, 16, 615-627	11.6	37
223	Ethylene-gibberellin signaling underlies adaptation of rice to periodic flooding. *Science*, **2018**, 361, 181-186	393	89
222	WIND1 induces dynamic metabolomic reprogramming during regeneration in Brassica napus. *Developmental Biology*, **2018**, 442, 40-52	3.1	11
221	Consequences of Sphaeropsis tip blight disease for the phytohormone profile and antioxidative metabolism of its pine host. *Plant, Cell and Environment*, **2018**, 41, 737-754	8.4	2
220	Chromatin-mediated feed-forward auxin biosynthesis in floral meristem determinacy. *Nature Communications*, **2018**, 9, 5290	17.4	33
219	SUPERMAN regulates floral whorl boundaries through control of auxin biosynthesis. *EMBO Journal*, **2018**, 37,	13	39
218	Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes. *Plant Physiology and Biochemistry*, **2018**, 128, 170-177	5.4	12
217	WUSCHEL-RELATED HOMEOBOX4 acts as a key regulator in early leaf development in rice. *PLoS Genetics*, **2018**, 14, e1007365	6	25
216	Cytokinin biosynthesis ISOPENTENYLTRANSFERASE genes are differentially expressed during phyllomorph development in the acaulescent Streptocarpus rexii (Gesneriaceae). *South African Journal of Botany*, **2017**, 109, 96-111	2.9	4
215	Cytokinin-Mediated Regulation of Reactive Oxygen Species Homeostasis Modulates Stomatal Immunity in Arabidopsis. *Plant Cell*, **2017**, 29, 543-559	11.6	55

214	Interspecies hormonal control of host root morphology by parasitic plants. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 5283-5288	11.5	53
213	Lack of Cytosolic Glutamine Synthetase1;2 Activity Reduces Nitrogen-Dependent Biosynthesis of Cytokinin Required for Axillary Bud Outgrowth in Rice Seedlings. *Plant and Cell Physiology*, **2017**, 58, 679-690	4.9	21
212	Persistence of plant hormone levels in rice shoots grown under microgravity conditions in space: its relationship to maintenance of shoot growth. *Physiologia Plantarum*, **2017**, 161, 285-293	4.6	15
211	NLR locus-mediated trade-off between abiotic and biotic stress adaptation in Arabidopsis. *Nature Plants*, **2017**, 3, 17072	11.5	30
210	Hormone Distribution and Transcriptome Profiles in Bamboo Shoots Provide Insights on Bamboo Stem Emergence and Growth. *Plant and Cell Physiology*, **2017**, 58, 702-716	4.9	32
209	Cytokinin Transporters: GO and STOP in Signaling. *Trends in Plant Science*, **2017**, 22, 455-461	13.1	33
208	Temporal and spatial changes in gene expression, metabolite accumulation and phytohormone content in rice seedlings grown under drought stress conditions. *Plant Journal*, **2017**, 90, 61-78	6.9	98
207	Ectopic expression of specific GA2 oxidase mutants promotes yield and stress tolerance in rice. *Plant Biotechnology Journal*, **2017**, 15, 850-864	11.6	51
206	The highly buffered Arabidopsis immune signaling network conceals the functions of its components. *PLoS Genetics*, **2017**, 13, e1006639	6	74
205	Wounding Triggers Callus Formation via Dynamic Hormonal and Transcriptional Changes. *Plant Physiology*, **2017**, 175, 1158-1174	6.6	111
204	Autophagy-mediated regulation of phytohormone metabolism during rice anther development. *Plant Signaling and Behavior*, **2017**, 12, e1365211	2.5	24
203	Systemic transport of trans-zeatin and its precursor have differing roles in Arabidopsis shoots. *Nature Plants*, **2017**, 3, 17112	11.5	80
202	Acetate-mediated novel survival strategy against drought in plants. *Nature Plants*, **2017**, 3, 17097	11.5	129
201	Mistletoe infestation mediates alteration of the phytohormone profile and anti-oxidative metabolism in bark and wood of its host Pinus sylvestris. *Tree Physiology*, **2017**, 37, 676-691	4.2	15
200	Design of an optimal promoter involved in the heat-induced transcriptional pathway in Arabidopsis, soybean, rice and maize. *Plant Journal*, **2017**, 89, 671-680	6.9	16
199	Natural Variation of Molecular and Morphological Gibberellin Responses. *Plant Physiology*, **2017**, 173, 703-714	6.6	10
198	Protonema of the moss Funaria hygrometrica can function as a lead (Pb) adsorbent. *PLoS ONE*, **2017**, 12, e0189726	3.7	18
197	Targeted Mutagenesis Using RNA-guided Endonucleases in Mosses. *Bio-protocol*, **2017**, 7, e2359	0.9	

196	Interactions between nitrate and ammonium in their uptake, allocation, assimilation, and signaling in plants. *Journal of Experimental Botany*, **2017**, 68, 2501-2512	7	126
195	Aluminum effect on starch, soluble sugar, and phytohormone in roots of Quercus serrata Thunb. seedlings. *Trees - Structure and Function*, **2016**, 30, 405-413	2.6	13
194	Cytokinin and Auxin Display Distinct but Interconnected Distribution and Signaling Profiles to Stimulate Cambial Activity. *Current Biology*, **2016**, 26, 1990-1997	6.3	103
193	Efficient and Heritable Targeted Mutagenesis in Mosses Using the CRISPR/Cas9 System. *Plant and Cell Physiology*, **2016**, 57, 2600-2610	4.9	24
192	Molecular and cellular characteristics of hybrid vigour in a commercial hybrid of Chinese cabbage. *BMC Plant Biology*, **2016**, 16, 45	5.3	34
191	Effector-Triggered Immunity Determines Host Genotype-Specific Incompatibility in Legume-Rhizobium Symbiosis. *Plant and Cell Physiology*, **2016**, 57, 1791-800	4.9	66
190	Chemical Promotion of Endogenous Amounts of ABA in Arabidopsis thaliana by a Natural Product, Theobroxide. *Plant and Cell Physiology*, **2016**, 57, 986-99	4.9	9
189	Improvement of Arabidopsis Biomass and Cold, Drought and Salinity Stress Tolerance by Modified Circadian Clock-Associated PSEUDO-RESPONSE REGULATORs. *Plant and Cell Physiology*, **2016**, 57, 1085-97	4.9	36
188	Comprehensive quantification and genome survey reveal the presence of novel phytohormone action modes in red seaweeds. *Journal of Applied Phycology*, **2016**, 28, 2539-2548	3.2	33
187	The Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid Alleviates Salinity Stress in Cassava. *Frontiers in Plant Science*, **2016**, 7, 2039	6.2	29
186	Presence versus absence of CYP734A50 underlies the style-length dimorphism in primroses. *ELife*, **2016**, 5,	8.9	48
185	Phytohormonal Regulation of Biomass Allocation and Morphological and Physiological Traits of Leaves in Response to Environmental Changes in Polygonum cuspidatum. *Frontiers in Plant Science*, **2016**, 7, 1189	6.2	13
184	Overexpression of INCREASED CAMBIAL ACTIVITY, a putative methyltransferase, increases cambial activity and plant growth. *Journal of Integrative Plant Biology*, **2016**, 58, 874-889	8.3	4
183	In vitro and in vivo effects of the phytohormone inhibitor fluridone against Neospora caninum infection. *Parasitology International*, **2016**, 65, 319-22	2.1	7
182	Enhanced Stomatal Conductance by a Spontaneous Arabidopsis Tetraploid, Me-0, Results from Increased Stomatal Size and Greater Stomatal Aperture. *Plant Physiology*, **2016**, 170, 1435-44	6.6	31
181	Jasmonate regulates juvenile-to-adult phase transition in rice. *Development (Cambridge)*, **2016**, 143, 3407-16	6.46	40
180	Arabidopsis Root-Type Ferredoxin:NADP(H) Oxidoreductase 2 is Involved in Detoxification of Nitrite in Roots. *Plant and Cell Physiology*, **2016**, 57, 2440-2450	4.9	14
179	Rare allele of a previously unidentified histone H4 acetyltransferase enhances grain weight, yield, and plant biomass in rice. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 76-81	11.5	156

178	CLUMSY VEIN, the Arabidopsis DEAH-box Prp16 ortholog, is required for auxin-mediated development. *Plant Journal*, **2015**, 81, 183-97	6.9	16
177	Roles of gibberellins and cytokinins in regulation of morphological and physiological traits in Polygonum cuspidatum responding to light and nitrogen availabilities. *Functional Plant Biology*, **2015**, 42, 397-409	2.7	17
176	Gibberellin regulates infection and colonization of host roots by arbuscular mycorrhizal fungi. *Plant Signaling and Behavior*, **2015**, 10, e1028706	2.5	13
175	Cell dedifferentiation and organogenesis in vitro require more snRNA than does seedling development in Arabidopsis thaliana. *Journal of Plant Research*, **2015**, 128, 371-80	2.6	8
174	Copper mediates auxin signalling to control cell differentiation in the copper moss Scopelophila cataractae. *Journal of Experimental Botany*, **2015**, 66, 1205-13	7	20
173	Mesophyll conductance decreases in the wild type but not in an ABA-deficient mutant (aba1) of Nicotiana plumbaginifolia under drought conditions. *Plant, Cell and Environment*, **2015**, 38, 388-98	8.4	50
172	Methylated Cytokinins from the Phytopathogen Rhodococcus fascians Mimic Plant Hormone Activity. *Plant Physiology*, **2015**, 169, 1118-26	6.6	52
171	Gibberellins interfere with symbiosis signaling and gene expression and alter colonization by arbuscular mycorrhizal fungi in Lotus japonicus. *Plant Physiology*, **2015**, 167, 545-57	6.6	79
170	. *Kagaku To Seibutsu*, **2015**, 53, 421-422	0	
169	Ethylene suppresses tomato (Solanum lycopersicum) fruit set through modification of gibberellin metabolism. *Plant Journal*, **2015**, 83, 237-51	6.9	76
168	Plant Hormone Salicylic Acid Produced by a Malaria Parasite Controls Host Immunity and Cerebral Malaria Outcome. *PLoS ONE*, **2015**, 10, e0140559	3.7	4
167	SAD1, an RNA polymerase□ subunit A34.5 of rice, interacts with Mediator and controls various aspects of plant development. *Plant Journal*, **2015**, 81, 282-91	6.9	22
166	Q&A: How do plants respond to cytokinins and what is their importance?. *BMC Biology*, **2015**, 13, 102	7.3	65
165	Molecular Characterization of LjABCG1, an ATP-Binding Cassette Protein in Lotus japonicus. *PLoS ONE*, **2015**, 10, e0139127	3.7	3
164	Mechanisms underlying robustness and tunability in a plant immune signaling network. *Cell Host and Microbe*, **2014**, 15, 84-94	23.4	90
163	Shoot-derived cytokinins systemically regulate root nodulation. *Nature Communications*, **2014**, 5, 4983	17.4	153
162	UGT74D1 catalyzes the glucosylation of 2-oxindole-3-acetic acid in the auxin metabolic pathway in Arabidopsis. *Plant and Cell Physiology*, **2014**, 55, 218-28	4.9	56
161	A bHLH complex activates vascular cell division via cytokinin action in root apical meristem. *Current Biology*, **2014**, 24, 2053-8	6.3	116

160	Sterol side chain reductase 2 is a key enzyme in the biosynthesis of cholesterol, the common precursor of toxic steroidal glycoalkaloids in potato. *Plant Cell*, **2014**, 26, 3763-74	11.6	155
159	Hormone level analysis on adventitious root formation in Eucalyptus globulus. *New Forests*, **2014**, 45, 577-587	2.6	32
158	Integrated analysis of transcriptome and metabolome of Arabidopsis albino or pale green mutants with disrupted nuclear-encoded chloroplast proteins. *Plant Molecular Biology*, **2014**, 85, 411-28	4.6	31
157	Integrated analysis of the effects of cold and dehydration on rice metabolites, phytohormones, and gene transcripts. *Plant Physiology*, **2014**, 164, 1759-71	6.6	172
156	Arabidopsis ABCG14 is essential for the root-to-shoot translocation of cytokinin. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7150-5	11.5	183
155	Gibberellin biosynthesis and signal transduction is essential for internode elongation in deepwater rice. *Plant, Cell and Environment*, **2014**, 37, 2313-24	8.4	67
154	Deep rooting conferred by DEEPER ROOTING 1 enhances rice yield in paddy fields. *Scientific Reports*, **2014**, 4, 5563	4.9	75
153	Regulation of the KNOX-GA gene module induces heterophyllic alteration in North American lake cress. *Plant Cell*, **2014**, 26, 4733-48	11.6	60
152	Morphological and plant hormonal changes during parasitization by Cuscuta japonica on Momordica charantia. *Journal of Plant Interactions*, **2014**, 9, 220-232	3.8	18
151	The Arabidopsis nitrate transporter NRT2.5 plays a role in nitrate acquisition and remobilization in nitrogen-starved plants. *Plant Journal*, **2014**, 80, 230-41	6.9	164
150	Enhancement of oxidative and drought tolerance in Arabidopsis by overaccumulation of antioxidant flavonoids. *Plant Journal*, **2014**, 77, 367-79	6.9	573
149	Reduction of gibberellin by low temperature disrupts pollen development in rice. *Plant Physiology*, **2014**, 164, 2011-9	6.6	72
148	High CO2 triggers preferential root growth of Arabidopsis thaliana via two distinct systems under low pH and low N stresses. *Plant and Cell Physiology*, **2014**, 55, 269-80	4.9	48
147	Side-chain modification of cytokinins controls shoot growth in Arabidopsis. *Developmental Cell*, **2013**, 27, 452-61	10.2	130
146	Uniconazole, a cytochrome P450 inhibitor, inhibits trans-zeatin biosynthesis in Arabidopsis. *Phytochemistry*, **2013**, 87, 30-8	4	23
145	Cytokinins act synergistically with salicylic acid to activate defense gene expression in rice. *Molecular Plant-Microbe Interactions*, **2013**, 26, 287-96	3.6	113
144	WUSCHEL-RELATED HOMEOBOX4 is involved in meristem maintenance and is negatively regulated by the CLE gene FCP1 in rice. *Plant Cell*, **2013**, 25, 229-41	11.6	97
143	Glucosyltransferase UGT76C1 finely modulates cytokinin responses via cytokinin N-glucosylation in Arabidopsis thaliana. *Plant Physiology and Biochemistry*, **2013**, 65, 9-16	5.4	30

142	Auxin-associated initiation of vascular cell differentiation by LONESOME HIGHWAY. *Development (Cambridge)*, **2013**, 140, 765-9	6.6	53
141	Overexpression of glucosyltransferase UGT85A1 influences trans-zeatin homeostasis and trans-zeatin responses likely through O-glucosylation. *Planta*, **2013**, 237, 991-9	4.7	37
140	Synthesis of very-long-chain fatty acids in the epidermis controls plant organ growth by restricting cell proliferation. *PLoS Biology*, **2013**, 11, e1001531	9.7	83
139	Nitrogen-dependent regulation of de novo cytokinin biosynthesis in rice: the role of glutamine metabolism as an additional signal. *Plant and Cell Physiology*, **2013**, 54, 1881-93	4.9	70
138	UniVIO: a multiple omics database with hormonome and transcriptome data from rice. *Plant and Cell Physiology*, **2013**, 54, e9	4.9	31
137	Restriction of cell proliferation in internal tissues via the synthesis of very-long-chain fatty acids in the epidermis. *Plant Signaling and Behavior*, **2013**, 8,	2.5	3
136	Rice phytochrome-interacting factor-like protein OsPIL1 functions as a key regulator of internode elongation and induces a morphological response to drought stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15947-52	11.5	84
135	Suppression of □amylase genes improves quality of rice grain ripened under high temperature. *Plant Biotechnology Journal*, **2012**, 10, 1110-7	11.6	122
134	OsGA20ox1, a candidate gene for a major QTL controlling seedling vigor in rice. *Theoretical and Applied Genetics*, **2012**, 125, 647-57	6	49
133	The Arabidopsis nitrate transporter NRT2.4 plays a double role in roots and shoots of nitrogen-starved plants. *Plant Cell*, **2012**, 24, 245-58	11.6	233
132	Identification of cis-acting promoter elements in cold- and dehydration-induced transcriptional pathways in Arabidopsis, rice, and soybean. *DNA Research*, **2012**, 19, 37-49	4.5	183
131	Reduction of abscisic acid levels or inhibition of abscisic acid signaling in rice during the early phase of Magnaporthe oryzae infection decreases its susceptibility to the fungus. *Physiological and Molecular Plant Pathology*, **2012**, 78, 1-7	2.6	30
130	Highly sensitive high-throughput profiling of six phytohormones using MS-probe modification and liquid chromatography-tandem mass spectrometry. *Methods in Molecular Biology*, **2012**, 918, 151-64	1.4	38
129	Interaction between a plasma membrane-localized ankyrin-repeat protein ITN1 and a nuclear protein RTV1. *Biochemical and Biophysical Research Communications*, **2012**, 423, 392-7	3.4	1
128	Rice DECUSSATE controls phyllotaxy by affecting the cytokinin signaling pathway. *Plant Journal*, **2012**, 72, 869-81	6.9	32
127	Regulatory roles of cytokinins and cytokinin signaling in response to potassium deficiency in Arabidopsis. *PLoS ONE*, **2012**, 7, e47797	3.7	77
126	Arabidopsis lonely guy (LOG) multiple mutants reveal a central role of the LOG-dependent pathway in cytokinin activation. *Plant Journal*, **2012**, 69, 355-65	6.9	123
125	Agrobacterium tumefaciens tumor morphology root plastid localization and preferential usage of hydroxylated prenyl donor is important for efficient gall formation. *Plant Physiology*, **2012**, 159, 1064-72	6.6	10

124	Cytokinin activity of cis-zeatin and phenotypic alterations induced by overexpression of putative cis-Zeatin-O-glucosyltransferase in rice. *Plant Physiology*, **2012**, 160, 319-31	6.6	105
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1	The Setaria viridis genome and diversity panel enables discovery of a novel domestication gene		9