

# James Whelan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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

298  
papers

16,659  
citations

73  
h-index

116  
g-index

307  
ext. papers

19,610  
ext. citations

6.8  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
298	scCloudMine: A cloud-based app for visualization, comparison, and exploration of single cell transcriptomic data. <i>Plant Communications</i> , <b>2022</b> , 100302	9	
297	GWAS on multiple traits identifies mitochondrial ACONITASE3 as important for acclimation to submergence stress.. <i>Plant Physiology</i> , <b>2022</b> ,	6.6	1
296	The mitochondrial LYR protein, SDHAF1 is required for succinate dehydrogenase activity in Arabidopsis.. <i>Plant Journal</i> , <b>2022</b> ,	6.9	1
295	Cross-species transcriptomic analyses reveals common and opposite responses in Arabidopsis, rice and barley following oxidative stress and hormone treatment.. <i>BMC Plant Biology</i> , <b>2022</b> , 22, 62	5.3	1
294	Applications of hyperspectral imaging in plant phenotyping.. <i>Trends in Plant Science</i> , <b>2022</b> ,	13.1	5
293	Enhanced reactive oxygen detoxification occurs in salt-stressed soybean roots expressing GmSALT3.. <i>Physiologia Plantarum</i> , <b>2022</b> , e13709	4.6	2
292	Legume Alternative Oxidase Isoforms Show Differential Sensitivity to Pyruvate Activation.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 813691	6.2	0
291	Extracellular Vesicles from $\square$ Contain Protein Effectors Expressed during Infection of Corn. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	7
290	Genes That Mediate Starch Metabolism in Developing and Germinated Barley Grain. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 641325	6.2	4
289	CRISPR/Cas9-Mediated Knockout of Significantly Reduced the Amount of Saturated Fatty Acids in Soybean Seeds. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	8
288	ACONITASE 3 is part of theANAC017 transcription factor-dependent mitochondrial dysfunction response. <i>Plant Physiology</i> , <b>2021</b> , 186, 1859-1877	6.6	4
287	Knockdown of Succinate Dehydrogenase Assembly Factor 2 Induces Reactive Oxygen Species-Mediated Auxin Hypersensitivity Causing pH-Dependent Root Elongation. <i>Plant and Cell Physiology</i> , <b>2021</b> , 62, 1185-1198	4.9	3
286	RNA-seq analysis of laser microdissected Arabidopsis thaliana leaf epidermis, mesophyll and vasculature defines tissue-specific transcriptional responses to multiple stress treatments. <i>Plant Journal</i> , <b>2021</b> , 107, 938-955	6.9	6
285	DNA methylation is involved in acclimation to iron-deficiency in rice ( <i>Oryza sativa</i> ). <i>Plant Journal</i> , <b>2021</b> , 107, 727-739	6.9	7
284	Noninvasive imaging technologies in plant phenotyping. <i>Trends in Plant Science</i> , <b>2021</b> ,	13.1	2
283	Recent advances in Cannabis sativa genomics research. <i>New Phytologist</i> , <b>2021</b> , 230, 73-89	9.8	23
282	The mitochondrial AAA protease FTSH3 regulates Complex I abundance by promoting its disassembly. <i>Plant Physiology</i> , <b>2021</b> , 186, 599-610	6.6	1

281	Live single-cell transcriptional dynamics via RNA labelling during the phosphate response in plants. <i>Nature Plants</i> , <b>2021</b> , 7, 1050-1064	11.5	7
280	Vision, challenges and opportunities for a Plant Cell Atlas. <i>ELife</i> , <b>2021</b> , 10,	8.9	8
279	Diverse phosphate and auxin transport loci distinguish phosphate tolerant from sensitive Arabidopsis accessions. <i>Plant Physiology</i> , <b>2021</b> , 187, 2656-2673	6.6	0
278	Analysis of Spatio-Temporal Transcriptome Profiles of Soybean () Tissues during Early Seed Development. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
277	Linking mitochondrial and chloroplast retrograde signalling in plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190410	5.8	25
276	Cyclic Peptides in Seed of Are Ribosomally Synthesized. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 1167-1173	4.9	4
275	Laser-Capture Microdissection RNA-Sequencing for Spatial and Temporal Tissue-Specific Gene Expression Analysis in Plants. <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	1
274	A transcription factor OsbHLH156 regulates Strategy II iron acquisition through localising IRO2 to the nucleus in rice. <i>New Phytologist</i> , <b>2020</b> , 225, 1247-1260	9.8	37
273	Temporal tissue-specific regulation of transcriptomes during barley ( <i>Hordeum vulgare</i> ) seed germination. <i>Plant Journal</i> , <b>2020</b> , 101, 700-715	6.9	8
272	Transcriptional and biochemical analyses of gibberellin expression and content in germinated barley grain. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 1870-1884	7	11
271	Molecular and physiological responses during thermal acclimation of leaf photosynthesis and respiration in rice. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 594-610	8.4	9
270	Conserved and Opposite Transcriptome Patterns during Germination in and. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
269	Identification and characterization of Arabidopsis thaliana mitochondrial FF-ATPase inhibitor factor 1. <i>Journal of Plant Physiology</i> , <b>2020</b> , 254, 153264	3.6	2
268	Mitochondrial signalling is critical for acclimation and adaptation to flooding in Arabidopsis thaliana. <i>Plant Journal</i> , <b>2020</b> , 103, 227-247	6.9	22
267	Developmental normalization of phenomics data generated by high throughput plant phenotyping systems. <i>Plant Methods</i> , <b>2020</b> , 16, 111	5.8	0
266	The genetic origin of evolidine, the first cyclopeptide discovered in plants, and related orbitides. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 14510-14521	5.4	7
265	Arabidopsis DGD1 SUPPRESSOR1 Is a Subunit of the Mitochondrial Contact Site and Cristae Organizing System and Affects Mitochondrial Biogenesis. <i>Plant Cell</i> , <b>2019</b> , 31, 1856-1878	11.6	8
264	The Soybean Sugar Transporter GmSWEET15 Mediates Sucrose Export from Endosperm to Early Embryo. <i>Plant Physiology</i> , <b>2019</b> , 180, 2133-2141	6.6	45

263	ANAC017 Coordinates Organellar Functions and Stress Responses by Reprogramming Retrograde Signaling. <i>Plant Physiology</i> , <b>2019</b> , 180, 634-653	6.6	36
262	An Ancient Peptide Family Buried within Vicilin Precursors. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 979-993	4.9	12
261	Composition of Mitochondrial Complex I during the Critical Node of Seed Aging in <i>Oryza sativa</i> . <i>Journal of Plant Physiology</i> , <b>2019</b> , 236, 7-14	3.6	5
260	Dual and dynamic intracellular localization of <i>Arabidopsis thaliana</i> SnRK1.1. <i>Journal of Experimental Botany</i> , <b>2019</b> , 70, 2325-2338	7	15
259	Interplay between Jasmonic Acid, Phosphate Signaling and the Regulation of Glycerolipid Homeostasis in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , <b>2019</b> , 60, 1260-1273	4.9	8
258	Transcriptional variation is associated with differences in shoot sodium accumulation in distinct barley varieties. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 166, 103812	5.9	2
257	SPX4 Acts on PHR1-Dependent and -Independent Regulation of Shoot Phosphorus Status in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2019</b> , 181, 332-352	6.6	26
256	Identification and characterisation of hypomethylated DNA loci controlling quantitative resistance in. <i>ELife</i> , <b>2019</b> , 8,	8.9	40
255	A Mitochondrial LYR Protein Is Required for Complex I Assembly. <i>Plant Physiology</i> , <b>2019</b> , 181, 1632-1650	6.6	10
254	Direct comparison of <i>Arabidopsis</i> gene expression reveals different responses to melatonin versus auxin. <i>BMC Plant Biology</i> , <b>2019</b> , 19, 567	5.3	13
253	Mitochondrial function modulates touch signalling in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2019</b> , 97, 623-645	6.4	14
252	The Phosphate Fast-Responsive Genes and Affect Phosphocholine and Phosphoethanolamine Content. <i>Plant Physiology</i> , <b>2018</b> , 176, 2943-2962	6.6	11
251	Alternative Oxidase Is Positive for Plant Performance. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 588-597	13.1	77
250	Isolation and Respiratory Measurements of Mitochondria from <i>Arabidopsis thaliana</i> . <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	8
249	Stress responsive mitochondrial proteins in <i>Arabidopsis thaliana</i> . <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 122, 28-39	7.8	32
248	A family of small, cyclic peptides buried in preproalbumin since the Eocene epoch. <i>Plant Direct</i> , <b>2018</b> , 2, e00042	3.3	21
247	Alternative Oxidase Isoforms Are Differentially Activated by Tricarboxylic Acid Cycle Intermediates. <i>Plant Physiology</i> , <b>2018</b> , 176, 1423-1432	6.6	52
246	Import of Nuclear-Encoded Mitochondrial Proteins <b>2018</b> , 97-140		

245	Accumulation of endogenous peptides triggers a pathogen stress response in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2018</b> , 96, 705-715	6.9	11
244	Alternative Splicing Plays a Critical Role in Maintaining Mineral Nutrient Homeostasis in Rice (). <i>Plant Cell</i> , <b>2018</b> , 30, 2267-2285	11.6	54
243	AgriSeqDB: an online RNA-Seq database for functional studies of agriculturally relevant plant species. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 200	5.3	7
242	Proteomic and Carbonylation Profile Analysis at the Critical Node of Seed Ageing in <i>Oryza sativa</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 40611	4.9	24
241	OsNLA1, a RING-type ubiquitin ligase, maintains phosphate homeostasis in <i>Oryza sativa</i> via degradation of phosphate transporters. <i>Plant Journal</i> , <b>2017</b> , 90, 1040-1051	6.9	45
240	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , <b>2017</b> , 214, 1403-1407	9.8	84
239	The Transcription Factor MYB29 Is a Regulator of. <i>Plant Physiology</i> , <b>2017</b> , 173, 1824-1843	6.6	36
238	Nutrient stress-induced chromatin changes in plants. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 39, 1-7	9.9	32
237	Isolation of tissues and preservation of RNA from intact, germinated barley grain. <i>Plant Journal</i> , <b>2017</b> , 91, 754-765	6.9	17
236	Root Cell-Specific Regulators of Phosphate-Dependent Growth. <i>Plant Physiology</i> , <b>2017</b> , 174, 1969-1989	6.6	13
235	Two h-Type Thioredoxins Interact with the E2 Ubiquitin Conjugase PHO2 to Fine-Tune Phosphate Homeostasis in Rice. <i>Plant Physiology</i> , <b>2017</b> , 173, 812-824	6.6	23
234	Analysis of Posttranslational Activation of Alternative Oxidase Isoforms. <i>Plant Physiology</i> , <b>2017</b> , 174, 2113-2127	6.6	31
233	Molecular interaction between PHO2 and GIGANTEA reveals a new crosstalk between flowering time and phosphate homeostasis in <i>Oryza sativa</i> . <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 1487-1499	8.4	19
232	Stepwise Evolution of a Buried Inhibitor Peptide over 45 My. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 1505-1516	8.3	27
231	Evidence for Ancient Origins of Bowman-Birk Inhibitors from. <i>Plant Cell</i> , <b>2017</b> , 29, 461-473	11.6	13
230	Extensive transcriptomic and epigenomic remodelling occurs during <i>Arabidopsis thaliana</i> germination. <i>Genome Biology</i> , <b>2017</b> , 18, 172	18.3	87
229	A multi-step peptidolytic cascade for amino acid recovery in chloroplasts. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 15-17	11.7	16
228	Dynamic and rapid changes in the transcriptome and epigenome during germination and in developing rice ( <i>Oryza sativa</i> ) coleoptiles under anoxia and re-oxygenation. <i>Plant Journal</i> , <b>2017</b> , 89, 805-824	6.9	43

227	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. <i>Plant Cell</i> , <b>2016</b> , 28, 2276-2290	11.6	35
226	Dissecting the Metabolic Role of Mitochondria during Developmental Leaf Senescence. <i>Plant Physiology</i> , <b>2016</b> , 172, 2132-2153	6.6	57
225	Characterization of a novel $\beta$ barrel protein (AtOM47) from the mitochondrial outer membrane of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 6061-6075	7	11
224	Inactivation of Mitochondrial Complex I Induces the Expression of a Twin Cysteine Protein that Targets and Affects Cytosolic, Chloroplastidic and Mitochondrial Function. <i>Molecular Plant</i> , <b>2016</b> , 9, 696-710	14.4	21
223	Glutaredoxin S15 Is Involved in Fe-S Cluster Transfer in Mitochondria Influencing Lipoic Acid-Dependent Enzymes, Plant Growth, and Arsenic Tolerance in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2016</b> , 170, 1284-99	6.6	43
222	A Transcriptomic Signature of Mouse Liver Progenitor Cells. <i>Stem Cells International</i> , <b>2016</b> , 2016, 5702873	3	5
221	Comprehensive Mitochondrial Metabolic Shift during the Critical Node of Seed Ageing in Rice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148013	3.7	21
220	Interaction between hormonal and mitochondrial signalling during growth, development and in plant defence responses. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 1127-39	8.4	60
219	Plant-Specific Preprotein and Amino Acid Transporter Proteins Are Required for tRNA Import into Mitochondria. <i>Plant Physiology</i> , <b>2016</b> , 172, 2471-2490	6.6	15
218	Mitochondrial and Chloroplast Stress Responses Are Modulated in Distinct Touch and Chemical Inhibition Phases. <i>Plant Physiology</i> , <b>2016</b> , 171, 2150-65	6.6	53
217	MPIC: a mitochondrial protein import components database for plant and non-plant species. <i>Plant and Cell Physiology</i> , <b>2015</b> , 56, e10	4.9	18
216	Isolation of Intact Mitochondria from the Model Plant Species <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> . <i>Methods in Molecular Biology</i> , <b>2015</b> , 1305, 1-12	1.4	25
215	Rice SPX-Major Faciity Superfamily3, a Vacuolar Phosphate Efflux Transporter, Is Involved in Maintaining Phosphate Homeostasis in Rice. <i>Plant Physiology</i> , <b>2015</b> , 169, 2822-31	6.6	78
214	The Design and Structure of Outer Membrane Receptors from Peroxisomes, Mitochondria, and Chloroplasts. <i>Structure</i> , <b>2015</b> , 23, 1783-1800	5.2	1
213	Phosphorylation and Dephosphorylation of the Presequence of Precursor MULTIPLE ORGANELLAR RNA EDITING FACTOR3 during Import into Mitochondria from <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2015</b> , 169, 1344-55	6.6	18
212	Decreasing electron flux through the cytochrome and/or alternative respiratory pathways triggers common and distinct cellular responses dependent on growth conditions. <i>Plant Physiology</i> , <b>2015</b> , 167, 228-50	6.6	54
211	A Casparian strip domain-like gene, CASPL, negatively alters growth and cold tolerance. <i>Scientific Reports</i> , <b>2015</b> , 5, 14299	4.9	18
210	Stress induced gene expression drives transient DNA methylation changes at adjacent repetitive elements. <i>ELife</i> , <b>2015</b> , 4,	8.9	208

209	RNA-Seq analysis identifies key genes associated with haustorial development in the root hemiparasite <i>Santalum album</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 661	6.2	42
208	Mechanisms of growth and patterns of gene expression in oxygen-deprived rice coleoptiles. <i>Plant Journal</i> , <b>2015</b> , 82, 25-40	6.9	33
207	Author response: Stress induced gene expression drives transient DNA methylation changes at adjacent repetitive elements <b>2015</b> ,		5
206	Anterograde and retrograde regulation of nuclear genes encoding mitochondrial proteins during growth, development, and stress. <i>Molecular Plant</i> , <b>2014</b> , 7, 1075-93	14.4	116
205	What happens to plant mitochondria under low oxygen? An omics review of the responses to low oxygen and reoxygenation. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 2260-77	8.4	58
204	Exploring ligand recognition, selectivity and dynamics of TPR domains of chloroplast Toc64 and mitochondria Om64 from <i>Arabidopsis thaliana</i> . <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 402-14	2.6	12
203	Protein import into plant mitochondria: signals, machinery, processing, and regulation. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 6301-35	7	55
202	A Functional Antagonistic Relationship between Auxin and Mitochondrial Retrograde Signaling Regulates Alternative Oxidase1a Expression in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2014</b> , 165, 1233-1254	6.6	68
201	Interaction between plastid and mitochondrial retrograde signalling pathways during changes to plastid redox status. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 369, 20130231	5.8	58
200	RNA-seq analysis identifies an intricate regulatory network controlling cluster root development in white lupin. <i>BMC Genomics</i> , <b>2014</b> , 15, 230	4.5	40
199	Mitochondrial biogenesis in plants during seed germination. <i>Mitochondrion</i> , <b>2014</b> , 19 Pt B, 214-21	4.9	34
198	The plant mitochondrial protein import apparatus - the differences make it interesting. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 1233-45	4	39
197	Toward deciphering the genome-wide transcriptional responses of rice to phosphate starvation and recovery. <i>Plant Signaling and Behavior</i> , <b>2014</b> , 9, e28319	2.5	4
196	Evidence for interactions between the mitochondrial import apparatus and respiratory chain complexes via Tim21-like proteins in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 82	6.2	9
195	The mitochondrial outer membrane AAA ATPase AtOM66 affects cell death and pathogen resistance in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2014</b> , 80, 709-27	6.9	56
194	Mutation in xyloglucan 6-xylosyltransferase results in abnormal root hair development in <i>Oryza sativa</i> . <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 4149-57	7	27
193	The mitochondrial protein import component, TRANSLOCASE OF THE INNER MEMBRANE17-1, plays a role in defining the timing of germination in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2014</b> , 166, 1420-35	6.6	17
192	Next generation sequencing and de novo transcriptomics to study gene evolution. <i>Plant Methods</i> , <b>2014</b> , 10, 34	5.8	19

191	Identification of OsbHLH133 as a regulator of iron distribution between roots and shoots in <i>Oryza sativa</i> . <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 224-36	8.4	47
190	Antagonistic, overlapping and distinct responses to biotic stress in rice ( <i>Oryza sativa</i> ) and interactions with abiotic stress. <i>BMC Genomics</i> , <b>2013</b> , 14, 93	4.5	80
189	The dual targeting ability of type II NAD(P)H dehydrogenases arose early in land plant evolution. <i>BMC Plant Biology</i> , <b>2013</b> , 13, 100	5.3	21
188	The outer mitochondrial membrane in higher plants. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 207-17	13.1	24
187	How do plants make mitochondria?. <i>Planta</i> , <b>2013</b> , 237, 429-39	4.7	25
186	Unique components of the plant mitochondrial protein import apparatus. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 304-13	4.9	45
185	The membrane-bound NAC transcription factor ANAC013 functions in mitochondrial retrograde regulation of the oxidative stress response in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 3472-90	11.6	214
184	Acquisition, conservation, and loss of dual-targeted proteins in land plants. <i>Plant Physiology</i> , <b>2013</b> , 161, 644-62	6.6	60
183	Identification of a dual-targeted protein belonging to the mitochondrial carrier family that is required for early leaf development in rice. <i>Plant Physiology</i> , <b>2013</b> , 161, 2036-48	6.6	19
182	Spatio-temporal transcript profiling of rice roots and shoots in response to phosphate starvation and recovery. <i>Plant Cell</i> , <b>2013</b> , 25, 4285-304	11.6	201
181	A membrane-bound NAC transcription factor, ANAC017, mediates mitochondrial retrograde signaling in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 3450-71	11.6	207
180	How unique is the low oxygen response? An analysis of the anaerobic response during germination and comparison with abiotic stress in rice and Arabidopsis. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 349	6.2	24
179	Organelle oligopeptidase (OOP) provides a complementary pathway for targeting peptide degradation in mitochondria and chloroplasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E3761-9	11.5	40
178	Rice DB: an <i>Oryza</i> Information Portal linking annotation, subcellular location, function, expression, regulation, and evolutionary information for rice and Arabidopsis. <i>Plant Journal</i> , <b>2013</b> , 76, 1057-73	6.9	29
177	Subcomplexes of ancestral respiratory complex I subunits rapidly turn over in vivo as productive assembly intermediates in Arabidopsis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 5707-17	5.4	39
176	Widespread dual targeting of proteins in land plants: when, where, how and why. <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8,	2.5	33
175	AtWRKY40 and AtWRKY63 modulate the expression of stress-responsive nuclear genes encoding mitochondrial and chloroplast proteins. <i>Plant Physiology</i> , <b>2013</b> , 162, 254-71	6.6	111
174	Cyclin-dependent kinase E1 (CDKE1) provides a cellular switch in plants between growth and stress responses. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 3449-59	5.4	95



173	Global transcriptome analysis of AtPAP2--overexpressing Arabidopsis thaliana with elevated ATP. <i>BMC Genomics</i> , <b>2013</b> , 14, 752	4.5	17
172	Ligand recognition by the TPR domain of the import factor Toc64 from Arabidopsis thaliana. <i>PLoS ONE</i> , <b>2013</b> , 8, e83461	3.7	12
171	Coordinating metabolite changes with our perception of plant abiotic stress responses: emerging views revealed by integrative-omic analyses. <i>Metabolites</i> , <b>2013</b> , 3, 761-86	5.6	16
170	Overexpression of OsPAP10a, a root-associated acid phosphatase, increased extracellular organic phosphorus utilization in rice. <i>Journal of Integrative Plant Biology</i> , <b>2012</b> , 54, 631-9	8.3	64
169	MRPS27 is a pentatricopeptide repeat domain protein required for the translation of mitochondrially encoded proteins. <i>FEBS Letters</i> , <b>2012</b> , 586, 3555-61	3.8	43
168	Functional characterization of the rice SPX-MFS family reveals a key role of OsSPX-MFS1 in controlling phosphate homeostasis in leaves. <i>New Phytologist</i> , <b>2012</b> , 196, 139-148	9.8	112
167	The emerging importance of the SPX domain-containing proteins in phosphate homeostasis. <i>New Phytologist</i> , <b>2012</b> , 193, 842-51	9.8	190
166	A dual-targeted purple acid phosphatase in Arabidopsis thaliana moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield. <i>New Phytologist</i> , <b>2012</b> , 194, 206-219	9.8	51
165	REDOX regulation of mitochondrial function in plants. <i>Plant, Cell and Environment</i> , <b>2012</b> , 35, 271-80	8.4	17
164	Sulphur dioxide evokes a large scale reprogramming of the grape berry transcriptome associated with oxidative signalling and biotic defence responses. <i>Plant, Cell and Environment</i> , <b>2012</b> , 35, 405-17	8.4	47
163	Phosphate homeostasis in the yeast <i>Saccharomyces cerevisiae</i> , the key role of the SPX domain-containing proteins. <i>FEBS Letters</i> , <b>2012</b> , 586, 289-95	3.8	106
162	Mitochondrial targeting of the Arabidopsis F1-ATPase $\beta$ subunit via multiple compensatory and synergistic presequence motifs. <i>Plant Cell</i> , <b>2012</b> , 24, 5037-57	11.6	18
161	A molecular link between mitochondrial preprotein transporters and respiratory chain complexes. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 1594-7	2.5	13
160	Determining degradation and synthesis rates of arabidopsis proteins using the kinetics of progressive <sup>15</sup> N labeling of two-dimensional gel-separated protein spots. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, M111.010025	7.6	52
159	AtPAP2 is a tail-anchored protein in the outer membrane of chloroplasts and mitochondria. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 927-32	2.5	25
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9	Cloning of ndhK from soybean chloroplasts using antibodies raised to mitochondrial complex I. <i>Plant Molecular Biology</i> , <b>1992</b> , 20, 887-95	4.6	13
8	Specificity of leaf mitochondrial and chloroplast processing systems for nuclear-encoded precursor proteins. <i>Plant Molecular Biology</i> , <b>1991</b> , 16, 283-92	4.6	25
7	Protein phosphorylation stimulates the rate of malate uptake across the peribacteroid membrane of soybean nodules. <i>FEBS Letters</i> , <b>1991</b> , 293, 188-90	3.8	60
6	Sorting of precursor proteins between isolated spinach leaf mitochondria and chloroplasts. <i>Plant Molecular Biology</i> , <b>1990</b> , 14, 977-82	4.6	63
5	Processing of precursor proteins by plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , <b>1990</b> , 279, 281-5	4.1	11
4	Import of precursor proteins into <i>Vicia faba</i> mitochondria. <i>FEBS Letters</i> , <b>1988</b> , 236, 217-220	3.8	18
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