

# A Harvey Millar

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

303  
papers

25,979  
citations

85  
h-index

153  
g-index

326  
ext. papers

30,050  
ext. citations

6.9  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
303	How is auxin linked with cellular energy pathways to promote growth?. <i>New Phytologist</i> , <b>2022</b> ,	9.8	3
302	The mitochondrial LYR protein, SDHAF1 is required for succinate dehydrogenase activity in Arabidopsis.. <i>Plant Journal</i> , <b>2022</b> ,	6.9	1
301	Distinct salinity-induced changes in wheat metabolic machinery in different root tissue types.. <i>Journal of Proteomics</i> , <b>2022</b> , 256, 104502	3.9	1
300	High-Throughput Oxygen Consumption Measurements in Leaf Tissue Using Oxygen Sensitive Fluorophores. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2363, 63-75	1.4	1
299	Assessing the Kinetics of Metabolite Uptake and Utilization by Isolated Mitochondria Using Selective Reaction Monitoring Mass Spectrometry (SRM-MS). <i>Methods in Molecular Biology</i> , <b>2022</b> , 2363, 85-100	1.4	3
298	Sulfur compounds: From plants to humans and their role in chronic disease prevention.. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2022</b> , 1-23	11.5	0
297	Enzymes degraded under high light maintain proteostasis by transcriptional regulation in .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2121362119	11.5	0
296	Alternative oxidase (AOX) 1a and 1d limit proline-induced oxidative stress and aid salinity recovery in Arabidopsis.. <i>Plant Physiology</i> , <b>2021</b> ,	6.6	1
295	Protein turnover in the developing <i>Triticum aestivum</i> grain. <i>New Phytologist</i> , <b>2021</b> ,	9.8	2
294	The wheat secreted root proteome: Implications for P mobilisation and biotic interactions. <i>Journal of Proteomics</i> , <b>2021</b> , 252, 104450	3.9	1
293	Increased expression of ANAC017 primes for accelerated senescence. <i>Plant Physiology</i> , <b>2021</b> , 186, 2205-2221	11.5	2
292	Systems biology for crop improvement. <i>Plant Genome</i> , <b>2021</b> , 14, e20098	4.4	15
291	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
290	The mitochondrial pyruvate carrier (MPC) complex mediates one of three pyruvate-supplying pathways that sustain Arabidopsis respiratory metabolism. <i>Plant Cell</i> , <b>2021</b> , 33, 2776-2793	11.6	7
289	Proteomics for Autophagy Receptor and Cargo Identification in Plants. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 129-138	5.6	0
288	Increased Wheat Protein Content via Introgression of an HMW Glutenin Selectively Reshapes the Grain Proteome. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 20, 100097	7.6	1
287	The number of catalytic cycles in an enzyme's lifetime and why it matters to metabolic engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	12

286	In vivo homopropargylglycine incorporation enables sampling, isolation and characterization of nascent proteins from <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2021</b> , 107, 1260-1276	6.9	3
285	Autophagy mutants show delayed chloroplast development during de-etiolation in carbon limiting conditions. <i>Plant Journal</i> , <b>2021</b> , 108, 459-477	6.9	1
284	Rapid delivery systems for future food security. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 1179-1181	44.5	4
283	Fast-forward breeding for a food-secure world. <i>Trends in Genetics</i> , <b>2021</b> , 37, 1124-1136	8.5	15
282	The versatility of plant organic acid metabolism in leaves is underpinned by mitochondrial malate-citrate exchange. <i>Plant Cell</i> , <b>2021</b> , 33, 3700-3720	11.6	6
281	Subcellular Proteomics as a Unified Approach of Experimental Localizations and Computed Prediction Data for <i>Arabidopsis</i> and Crop Plants.. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1346, 67-89	3.6	0
280	Enzymes as Parts in Need of Replacement - and How to Extend Their Working Life. <i>Trends in Plant Science</i> , <b>2020</b> , 25, 661-669	13.1	10
279	Protein turnover rates in plant mitochondria. <i>Mitochondrion</i> , <b>2020</b> , 53, 57-65	4.9	5
278	Mitochondrial CLPP2 Assists Coordination and Homeostasis of Respiratory Complexes. <i>Plant Physiology</i> , <b>2020</b> , 184, 148-164	6.6	10
277	Impact of oxidative stress on the function, abundance, and turnover of the <i>Arabidopsis</i> 80S cytosolic ribosome. <i>Plant Journal</i> , <b>2020</b> , 103, 128-139	6.9	12
276	Leaf trait variation is similar among genotypes of <i>Eucalyptus camaldulensis</i> from differing climates and arises in plastic responses to the seasons rather than water availability. <i>New Phytologist</i> , <b>2020</b> , 227, 780-793	9.8	9
275	Effect of N supply on the carbon economy of barley when accounting for plant size. <i>Functional Plant Biology</i> , <b>2020</b> , 47, 368-381	2.7	3
274	Bioinformatic and experimental evidence for suicidal and catalytic plant THI4s. <i>Biochemical Journal</i> , <b>2020</b> , 477, 2055-2069	3.8	11
273	The composition and turnover of the <i>Arabidopsis thaliana</i> 80S cytosolic ribosome. <i>Biochemical Journal</i> , <b>2020</b> , 477, 3019-3032	3.8	9
272	Rubisco lysine acetylation occurs at very low stoichiometry in mature <i>Arabidopsis</i> leaves: implications for regulation of enzyme function. <i>Biochemical Journal</i> , <b>2020</b> , 477, 3885-3896	3.8	2
271	Metabolite Regulatory Interactions Control Plant Respiratory Metabolism via Target of Rapamycin (TOR) Kinase Activation. <i>Plant Cell</i> , <b>2020</b> , 32, 666-682	11.6	32
270	CropPAL for discovering divergence in protein subcellular location in crops to support strategies for molecular crop breeding. <i>Plant Journal</i> , <b>2020</b> , 104, 812-827	6.9	4
269	Loss of conserved mitochondrial CLPP and its functions lead to different phenotypes in plants and other organisms. <i>Plant Signaling and Behavior</i> , <b>2020</b> , 15, 1831789	2.5	3

268	Wheat mitochondrial respiration shifts from the tricarboxylic acid cycle to the GABA shunt under salt stress. <i>New Phytologist</i> , <b>2020</b> , 225, 1166-1180	9.8	77
267	Engineering Strategies to Boost Crop Productivity by Cutting Respiratory Carbon Loss. <i>Plant Cell</i> , <b>2019</b> , 31, 297-314	11.6	46
266	Mitochondrial Pyruvate Dehydrogenase Contributes to Auxin-Regulated Organ Development. <i>Plant Physiology</i> , <b>2019</b> , 180, 896-909	6.6	20
265	Predicting dark respiration rates of wheat leaves from hyperspectral reflectance. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 2133-2150	8.4	32
264	Globular structures in roots accumulate phosphorus to extremely high concentrations following phosphorus addition. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 1987-2002	8.4	4
263	A MYC2/MYC3/MYC4-dependent transcription factor network regulates water spray-responsive gene expression and jasmonate levels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23345-23356	11.5	38
262	The Scope, Functions, and Dynamics of Posttranslational Protein Modifications. <i>Annual Review of Plant Biology</i> , <b>2019</b> , 70, 119-151	30.7	87
261	Revolutionizing agriculture with synthetic biology. <i>Nature Plants</i> , <b>2019</b> , 5, 1207-1210	11.5	52
260	Core principles which explain variation in respiration across biological scales. <i>New Phytologist</i> , <b>2019</b> , 222, 670-686	9.8	52
259	Mitochondrial complex II of plants: subunit composition, assembly, and function in respiration and signaling. <i>Plant Journal</i> , <b>2019</b> , 98, 405-417	6.9	23
258	Cold sensitivity of mitochondrial ATP synthase restricts oxidative phosphorylation in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , <b>2019</b> , 221, 1776-1788	9.8	21
257	Temperature-dependent metabolic adaptation of <i>Triticum aestivum</i> seedlings to anoxia. <i>Scientific Reports</i> , <b>2018</b> , 8, 6151	4.9	3
256	Mitophagy: A Mechanism for Plant Growth and Survival. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 434-450	13.1	47
255	An Assembly Factor Promotes Assembly of Flavinated SDH1 into the Succinate Dehydrogenase Complex. <i>Plant Physiology</i> , <b>2018</b> , 177, 1439-1452	6.6	11
254	Plant Proteomics: Challenges and Resources <b>2018</b> , 1-31		3
253	Mechanisms of Photodamage and Protein Turnover in Photoinhibition. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 667-676	13.1	97
252	Mitochondrial Biochemistry: Stress Responses and Roles in Stress Alleviation <b>2018</b> , 227-268		1
251	Infections with the Sexually Transmitted Pathogen <i>Nosema apis</i> Trigger an Immune Response in the Seminal Fluid of Honey Bees ( <i>Apis mellifera</i> ). <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 319-334	5.6	18

250	Major Cys protease activities are not essential for senescence in individually darkened Arabidopsis leaves. <i>BMC Plant Biology</i> , <b>2017</b> , 17, 4	5.3	14
249	Protein Degradation Rate in Leaf Growth and Development. <i>Plant Cell</i> , <b>2017</b> , 29, 207-228	11.6	147
248	Salicylic Acid-Dependent Plant Stress Signaling via Mitochondrial Succinate Dehydrogenase. <i>Plant Physiology</i> , <b>2017</b> , 173, 2029-2040	6.6	56
247	An improved assembly and annotation of the allohexaploid wheat genome identifies complete families of agronomic genes and provides genomic evidence for chromosomal translocations. <i>Genome Research</i> , <b>2017</b> , 27, 885-896	9.7	262
246	The Mitochondrial DNA-Associated Protein SWIB5 Influences mtDNA Architecture and Homologous Recombination. <i>Plant Cell</i> , <b>2017</b> , 29, 1137-1156	11.6	10
245	Variation in Leaf Respiration Rates at Night Correlates with Carbohydrate and Amino Acid Supply. <i>Plant Physiology</i> , <b>2017</b> , 174, 2261-2273	6.6	44
244	Mitochondrial Lon1 has a role in homeostasis of the mitochondrial ribosome and pentatricopeptide repeat proteins in plants. <i>Plant Signaling and Behavior</i> , <b>2017</b> , 12, e1276686	2.5	5
243	Temporal development of the barley leaf metabolic response to P limitation. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 645-657	8.4	12
242	Multiple marker abundance profiling: combining selected reaction monitoring and data-dependent acquisition for rapid estimation of organelle abundance in subcellular samples. <i>Plant Journal</i> , <b>2017</b> , 92, 1202-1217	6.9	11
241	SUBA4: the interactive data analysis centre for Arabidopsis subcellular protein locations. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D1064-D1074	20.1	188
240	Connecting salt stress signalling pathways with salinity-induced changes in mitochondrial metabolic processes in C3 plants. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 2875-2905	8.4	41
239	Insights into the molecular basis of long-term storage and survival of sperm in the honeybee ( <i>Apis mellifera</i> ). <i>Scientific Reports</i> , <b>2017</b> , 7, 40236	4.9	33
238	Responses of the Mitochondrial Respiratory System to Low Temperature in Plants. <i>Critical Reviews in Plant Sciences</i> , <b>2017</b> , 36, 217-240	5.6	22
237	The combination of gas-phase fluorophore technology and automation to enable high-throughput analysis of plant respiration. <i>Plant Methods</i> , <b>2017</b> , 13, 16	5.8	25
236	Changes in specific protein degradation rates in Arabidopsis thaliana reveal multiple roles of Lon1 in mitochondrial protein homeostasis. <i>Plant Journal</i> , <b>2017</b> , 89, 458-471	6.9	28
235	The Isolation of Plant Organelles and Structures in the Post-genomic Era. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1511, 1-11	1.4	4
234	Resource: Mapping the Triticum aestivum proteome. <i>Plant Journal</i> , <b>2017</b> , 89, 601-616	6.9	37
233	Isolation of Plant Organelles and Structures. <i>Methods in Molecular Biology</i> , <b>2017</b> ,	1.4	1

232	Isolation of Mitochondria, Their Sub-Organellar Compartments, and Membranes. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1511, 83-96	1.4	2
231	Identification of a novel cAMP dependent protein kinase A phosphorylation site on the human cardiac calcium channel. <i>Scientific Reports</i> , <b>2017</b> , 7, 15118	4.9	8
230	Mitochondrial Defects Confer Tolerance against Cellulose Deficiency. <i>Plant Cell</i> , <b>2016</b> , 28, 2276-2290	11.6	35
229	Retrograde signalling caused by heritable mitochondrial dysfunction is partially mediated by ANAC017 and improves plant performance. <i>Plant Journal</i> , <b>2016</b> , 88, 542-558	6.9	40
228	Seminal fluid of honeybees contains multiple mechanisms to combat infections of the sexually transmitted pathogen <i>Nosema apis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	28
227	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
226	Opportunities for wheat proteomics to discover the biomarkers for respiration-dependent biomass production, stress tolerance and cytoplasmic male sterility. <i>Journal of Proteomics</i> , <b>2016</b> , 143, 36-44	3.9	8
225	Proteomics in evolutionary ecology. <i>Journal of Proteomics</i> , <b>2016</b> , 135, 4-11	3.9	23
224	Glutaredoxin S15 Is Involved in Fe-S Cluster Transfer in Mitochondria Influencing Lipoic Acid-Dependent Enzymes, Plant Growth, and Arsenic Tolerance in Arabidopsis. <i>Plant Physiology</i> , <b>2016</b> , 170, 1284-99	6.6	43
223	Finding the Subcellular Location of Barley, Wheat, Rice and Maize Proteins: The Compendium of Crop Proteins with Annotated Locations (cropPAL). <i>Plant and Cell Physiology</i> , <b>2016</b> , 57, e9	4.9	32
222	Loss of Mitochondrial Malate Dehydrogenase Activity Alters Seed Metabolism Impairing Seed Maturation and Post-Germination Growth in Arabidopsis. <i>Plant Physiology</i> , <b>2016</b> , 171, 849-63	6.6	30
221	Analysis of the sodium chloride-dependent respiratory kinetics of wheat mitochondria reveals differential effects on phosphorylating and non-phosphorylating electron transport pathways. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 823-33	8.4	22
220	The Roles of Mitochondrial Reactive Oxygen Species in Cellular Signaling and Stress Response in Plants. <i>Plant Physiology</i> , <b>2016</b> , 171, 1551-9	6.6	227
219	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
218	The Plant Mitochondrial Transportome: Balancing Metabolic Demands with Energetic Constraints. <i>Trends in Plant Science</i> , <b>2016</b> , 21, 662-676	13.1	25
217	Genetics, Transcriptional Profiles, and Catalytic Properties of the UDP-Arabinose Mutase Family from Barley. <i>Biochemistry</i> , <b>2016</b> , 55, 322-34	3.2	9
216	MSL1 is a mechanosensitive ion channel that dissipates mitochondrial membrane potential and maintains redox homeostasis in mitochondria during abiotic stress. <i>Plant Journal</i> , <b>2016</b> , 88, 809-825	6.9	50
215	Protein turnover in plant biology. <i>Nature Plants</i> , <b>2015</b> , 1, 15017	11.5	55

214	Peptide macrocyclization by a bifunctional endoprotease. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 571-82		68
213	Assessment of respiration in isolated plant mitochondria using Clark-type electrodes. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1305, 165-85	1.4	21
212	Activity assay for plant mitochondrial enzymes. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1305, 139-49	1.4	12
211	Plant mitochondrial proteomics. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1305, 83-106	1.4	1
210	Micro-respiratory measurements in plants. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1305, 187-96	1.4	3
209	INTERMEDIATE CLEAVAGE PEPTIDASE55 Modifies Enzyme Amino Termini and Alters Protein Stability in Arabidopsis Mitochondria. <i>Plant Physiology</i> , <b>2015</b> , 168, 415-27	6.6	26
208	Exposure of barley plants to low Pi leads to rapid changes in root respiration that correlate with specific alterations in amino acid substrates. <i>New Phytologist</i> , <b>2015</b> , 206, 696-708	9.8	7
207	Consequences of Nosema apis infection for male honey bees and their fertility. <i>Scientific Reports</i> , <b>2015</b> , 5, 10565	4.9	23
206	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
205	Arabidopsis organelle isolation and characterization. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1062, 551-72	1.4	12
204	Quantifying spore viability of the honey bee pathogen Nosema apis using flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2014</b> , 85, 454-62	4.6	15
203	The metabolic acclimation of Arabidopsis thaliana to arsenate is sensitized by the loss of mitochondrial LIPOAMIDE DEHYDROGENASE2, a key enzyme in oxidative metabolism. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 684-95	8.4	22
202	Quantitative analysis of protein turnover in plants. <i>Proteomics</i> , <b>2014</b> , 14, 579-92	4.8	41
201	SUBAcon: a consensus algorithm for unifying the subcellular localization data of the Arabidopsis proteome. <i>Bioinformatics</i> , <b>2014</b> , 30, 3356-64	7.2	112
200	Online oxygen kinetic isotope effects using membrane inlet mass spectrometry can differentiate between oxidases for mechanistic studies and calculation of their contributions to oxygen consumption in whole tissues. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 5171-8	7.8	14
199	Using the SUBcellular database for Arabidopsis proteins to localize the Deg protease family. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 396	6.2	13
198	Selected reaction monitoring to determine protein abundance in Arabidopsis using the Arabidopsis proteotypic predictor. <i>Plant Physiology</i> , <b>2014</b> , 164, 525-36	6.6	28
197	Proteins with high turnover rate in barley leaves estimated by proteome analysis combined with in planta isotope labeling. <i>Plant Physiology</i> , <b>2014</b> , 166, 91-108	6.6	87

196	Ontogenetic changes in seminal fluid gene expression and the protein composition of cricket seminal fluid. <i>Evolution &amp; Development</i> , <b>2014</b> , 16, 101-9	2.6	22
195	Subcellular proteomics-where cell biology meets protein chemistry. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 55	6.2	18
194	Plant mitochondrial proteomics. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1072, 499-525	1.4	16
193	Plant Mitochondria Biogenesis and Cellular Function <b>2014</b> , 1-15		
192	Succinate dehydrogenase: the complex roles of a simple enzyme. <i>Current Opinion in Plant Biology</i> , <b>2013</b> , 16, 344-9	9.9	85
191	Long-term survival of high quality sperm: insights into the sperm proteome of the honeybee <i>Apis mellifera</i> . <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 5180-8	5.6	28
190	Sperm and seminal fluid proteomes of the field cricket <i>Teleogryllus oceanicus</i> : identification of novel proteins transferred to females at mating. <i>Insect Molecular Biology</i> , <b>2013</b> , 22, 115-30	3.4	48
189	Succinate dehydrogenase assembly factor 2 is needed for assembly and activity of mitochondrial complex II and for normal root elongation in <i>Arabidopsis</i> . <i>Plant Journal</i> , <b>2013</b> , 73, 429-41	6.9	56
188	Degradation rate of mitochondrial proteins in <i>Arabidopsis thaliana</i> cells. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3449-59	5.6	53
187	STAR: an integrated solution to management and visualization of sequencing data. <i>Bioinformatics</i> , <b>2013</b> , 29, 3204-10	7.2	9
186	Proteomics of phosphate use and deprivation in plants. <i>Proteomics</i> , <b>2013</b> , 13, 609-23	4.8	35
185	Investigating the role of respiration in plant salinity tolerance by analyzing mitochondrial proteomes from wheat and a salinity-tolerant Amphiploid (wheat $\times$ <i>Lophopyrum elongatum</i> ). <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4807-29	5.6	55
184	The rice mitochondria proteome and its response during development and to the environment. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 16	6.2	30
183	Fluorescent protein tagging as a tool to define the subcellular distribution of proteins in plants. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 214	6.2	38
182	Tissue-specific transcriptomics in the field cricket <i>Teleogryllus oceanicus</i> . <i>G3: Genes, Genomes, Genetics</i> , <b>2013</b> , 3, 225-30	3.2	26
181	Application of selected reaction monitoring mass spectrometry to field-grown crop plants to allow dissection of the molecular mechanisms of abiotic stress tolerance. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 20	6.2	16
180	Multiplex micro-respiratory measurements of <i>Arabidopsis</i> tissues. <i>New Phytologist</i> , <b>2013</b> , 200, 922-932	9.8	23
179	Subcomplexes of ancestral respiratory complex I subunits rapidly turn over in vivo as productive assembly intermediates in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 5707-17	5.4	39

178	Sequence diversity and conservation in factors influencing succinate dehydrogenase flavinylation. <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8, e22815	2.5	6
177	Recent advances in the composition and heterogeneity of the Arabidopsis mitochondrial proteome. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 4	6.2	58
176	SUBA3: a database for integrating experimentation and prediction to define the SUBcellular location of proteins in Arabidopsis. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, D1185-91	20.1	243
175	Differential induction of mitochondrial machinery by light intensity correlates with changes in respiratory metabolism and photorespiration in rice leaves. <i>New Phytologist</i> , <b>2013</b> , 198, 103-115	9.8	12
174	Seminal fluid proteins differ in abundance between genetic lineages of honeybees. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 5646-53	3.9	30
173	Mitochondrial proteome heterogeneity between tissues from the vegetative and reproductive stages of Arabidopsis thaliana development. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3326-43	5.6	29
172	Mitochondrial composition, function and stress response in plants. <i>Journal of Integrative Plant Biology</i> , <b>2012</b> , 54, 887-906	8.3	95
171	The biological roles of glutaredoxins. <i>Biochemical Journal</i> , <b>2012</b> , 446, 333-48	3.8	82
170	Components of mitochondrial oxidative phosphorylation vary in abundance following exposure to cold and chemical stresses. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3860-79	5.6	34
169	Early events in plastid protein degradation in stay-green Arabidopsis reveal differential regulation beyond the retention of LHCII and chlorophyll. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 5443-52	5.6	14
168	Determining degradation and synthesis rates of arabidopsis proteins using the kinetics of progressive 15N labeling of two-dimensional gel-separated protein spots. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, M111.010025	7.6	52
167	Accumulation of newly synthesized F1 in vivo in arabidopsis mitochondria provides evidence for modular assembly of the plant F1Fo ATP synthase. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 25749-57	5.4	18
166	Cyclotides associate with leaf vasculature and are the products of a novel precursor in petunia (Solanaceae). <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 27033-46	5.4	103
165	Nucleotide and RNA metabolism prime translational initiation in the earliest events of mitochondrial biogenesis during Arabidopsis germination. <i>Plant Physiology</i> , <b>2012</b> , 158, 1610-27	6.6	79
164	Loss of Lon1 in Arabidopsis changes the mitochondrial proteome leading to altered metabolite profiles and growth retardation without an accumulation of oxidative damage. <i>Plant Physiology</i> , <b>2012</b> , 160, 1187-203	6.6	35
163	Analysis of the Arabidopsis cytosolic proteome highlights subcellular partitioning of central plant metabolism. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 1571-82	5.6	103
162	Mitochondrial complex II has a key role in mitochondrial-derived reactive oxygen species influence on plant stress gene regulation and defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 10768-73	11.5	172
161	The role of mitochondrial respiration in salinity tolerance. <i>Trends in Plant Science</i> , <b>2011</b> , 16, 614-23	13.1	148

160	Stored sperm differs from ejaculated sperm by proteome alterations associated with energy metabolism in the honeybee <i>Apis mellifera</i> . <i>Molecular Ecology</i> , <b>2011</b> , 20, 2643-54	5.7	35
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10	Cytochrome and alternative respiratory pathways compete for electrons in the presence of pyruvate in soybean mitochondria. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 318, 394-400	4.1	114
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