

# Katharine A Howell

## List of Publications by Year in descending order

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28  
papers

3,471  
citations

257357

24  
h-index

501076

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g-index

29  
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29  
docs citations

29  
times ranked

4467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Knockdown of the plastid-encoded acetyl-CoA carboxylase gene uncovers functions in metabolism and development. <i>Plant Physiology</i> , 2021, 185, 1091-1110.	2.3	15
2	Plastome-Wide Rearrangements and Gene Losses in Carnivorous Droseraceae. <i>Genome Biology and Evolution</i> , 2019, 11, 472-485.	1.1	40
3	Genome-scale transfer of mitochondrial DNA from legume hosts to the holoparasite <i>Lophophytum mirabile</i> (Balanophoraceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 132, 243-250.	1.2	44
4	The chloroplast <i>RNA</i> helicase <i>ISE2</i> is required for multiple chloroplast <i>RNA</i> processing steps in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2017, 91, 114-131.	2.8	62
5	The Pentatricopeptide Repeat Protein EMB2654 Is Essential for Trans-Splicing of a Chloroplast Small Ribosomal Subunit Transcript. <i>Plant Physiology</i> , 2017, 173, 1164-1176.	2.3	52
6	<i>SOT1</i> , a pentatricopeptide repeat protein with a small MutS-related domain, is required for correct processing of plastid 23S rRNA precursors in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2016, 85, 607-621.	2.8	68
7	The Complete Sequence of the <i>Acacia ligulata</i> Chloroplast Genome Reveals a Highly Divergent <i>clpP1</i> Gene. <i>PLoS ONE</i> , 2015, 10, e0125768.	1.1	72
8	Design of chimeric expression elements that confer high-level gene activity in chromoplasts. <i>Plant Journal</i> , 2013, 73, 368-379.	2.8	53
9	PPR-SMRs. <i>RNA Biology</i> , 2013, 10, 1501-1510.	1.5	57
10	Systems-based analysis of <i>Arabidopsis</i> leaf growth reveals adaptation to water deficit. <i>Molecular Systems Biology</i> , 2012, 8, 606.	3.2	191
11	Analysis of the Rice Mitochondrial Carrier Family Reveals Anaerobic Accumulation of a Basic Amino Acid Carrier Involved in Arginine Metabolism during Seed Germination. <i>Plant Physiology</i> , 2010, 154, 691-704.	2.3	67
12	Differential Response of Gray Poplar Leaves and Roots Underpins Stress Adaptation during Hypoxia. <i>Plant Physiology</i> , 2009, 149, 461-473.	2.3	239
13	Mapping Metabolic and Transcript Temporal Switches during Germination in Rice Highlights Specific Transcription Factors and the Role of RNA Instability in the Germination Process. <i>Plant Physiology</i> , 2009, 149, 961-980.	2.3	236
14	Defining Core Metabolic and Transcriptomic Responses to Oxygen Availability in Rice Embryos and Young Seedlings. <i>Plant Physiology</i> , 2009, 151, 306-322.	2.3	141
15	The nucleotidase/phosphatase <i>SAL1</i> is a negative regulator of drought tolerance in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 58, 299-317.	2.8	164
16	Systemic and Intracellular Responses to Photooxidative Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2008, 19, 4091-4110.	3.1	223
17	The Absence of <i>ALTERNATIVE OXIDASE1a</i> in <i>Arabidopsis</i> Results in Acute Sensitivity to Combined Light and Drought Stress. <i>Plant Physiology</i> , 2008, 147, 595-610.	2.3	357
18	Characterization of the Regulatory and Expression Context of an Alternative Oxidase Gene Provides Insights into Cyanide-Insensitive Respiration during Growth and Development. <i>Plant Physiology</i> , 2007, 143, 1519-1533.	2.3	50

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19	Building the Powerhouse. <i>Plant Signaling and Behavior</i> , 2007, 2, 428-430.	1.2	7
20	Functional Definition of Outer Membrane Proteins Involved in Preprotein Import into Mitochondria. <i>Plant Cell</i> , 2007, 19, 3739-3759.	3.1	146
21	Oxygen Initiation of Respiration and Mitochondrial Biogenesis in Rice. <i>Journal of Biological Chemistry</i> , 2007, 282, 15619-15631.	1.6	79
22	Genome-Wide Analysis of mRNA Decay Rates and Their Determinants in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2007, 19, 3418-3436.	3.1	296
23	Ordered Assembly of Mitochondria During Rice Germination Begins with Promitochondrial Structures Rich in Components of the Protein Import Apparatus. <i>Plant Molecular Biology</i> , 2006, 60, 201-223.	2.0	153
24	Salicylic Acid Is an Uncoupler and Inhibitor of Mitochondrial Electron Transport. <i>Plant Physiology</i> , 2004, 134, 492-501.	2.3	256
25	Expression Analysis of Mitochondrial Components in a Variety of Plant Species Using Real-Time Quantitative PCR. , 2004, , 61-72.		0
26	Respiratory gene expression in soybean cotyledons during post-germinative development. <i>Plant Molecular Biology</i> , 2003, 51, 745-755.	2.0	14
27	Mitochondrial complex I from <i>Arabidopsis</i> and rice: orthologs of mammalian and fungal components coupled with plant-specific subunits. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1604, 159-169.	0.5	180
28	Towards an Analysis of the Rice Mitochondrial Proteome. <i>Plant Physiology</i> , 2003, 132, 230-242.	2.3	194