

Owen Duncan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,332
citations

516215

16
h-index

525886

27
g-index

34
all docs

34
docs citations

34
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2017, 27, 885-896.	2.4	464
2	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> , 2019, 116, 23345-23356.	3.3	95
3	Multiple Lines of Evidence Localize Signaling, Morphology, and Lipid Biosynthesis Machinery to the Mitochondrial Outer Membrane of Arabidopsis. <i>Plant Physiology</i> , 2011, 157, 1093-1113.	2.3	90
4	A Functional Antagonistic Relationship between Auxin and Mitochondrial Retrograde Signaling Regulates <i>Alternative Oxidase1a</i> Expression in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 1233-1254.	2.3	87
5	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> , 2014, 167, 228-250.	2.3	85
6	Resource: Mapping the <i>Triticum aestivum</i> proteome. <i>Plant Journal</i> , 2017, 89, 601-616.	2.8	74
7	Unique components of the plant mitochondrial protein import apparatus. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 304-313.	1.9	56
8	The Transcription Factor MYB29 Is a Regulator of <i>ALTERNATIVE OXIDASE1a</i> . <i>Plant Physiology</i> , 2017, 173, 1824-1843.	2.3	46
9	The Mitochondrial Protein Import Component, TRANSLOCASE OF THE INNER MEMBRANE17-1, Plays a Role in Defining the Timing of Germination in Arabidopsis. <i>Plant Physiology</i> , 2014, 166, 1420-1435.	2.3	45
10	The outer mitochondrial membrane in higher plants. <i>Trends in Plant Science</i> , 2013, 18, 207-217.	4.3	31
11	Phosphorylation and Dephosphorylation of the Presequence of Precursor MULTIPLE ORGANELLAR RNA EDITING FACTOR3 during Import into Mitochondria from Arabidopsis. <i>Plant Physiology</i> , 2015, 169, 1344-1355.	2.3	30
12	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> , 2016, 9, 696-710.	3.9	28
13	Mitochondrial CLPP2 Assists Coordination and Homeostasis of Respiratory Complexes. <i>Plant Physiology</i> , 2020, 184, 148-164.	2.3	26
14	The composition and turnover of the <i>Arabidopsis thaliana</i> 80S cytosolic ribosome. <i>Biochemical Journal</i> , 2020, 477, 3019-3032.	1.7	26
15	Impact of oxidative stress on the function, abundance, and turnover of the Arabidopsis 80S cytosolic ribosome. <i>Plant Journal</i> , 2020, 103, 128-139.	2.8	25
16	Bioinformatic and experimental evidence for suicidal and catalytic plant THI4s. <i>Biochemical Journal</i> , 2020, 477, 2055-2069.	1.7	24
17	Characterization of a novel β -barrel protein (AtOM47) from the mitochondrial outer membrane of <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6061-6075.	2.4	19
18	In Vitro and In Vivo Protein Uptake Studies in Plant Mitochondria. <i>Methods in Molecular Biology</i> , 2015, 1305, 61-81.	0.4	14

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19	Rubisco lysine acetylation occurs at very low stoichiometry in mature Arabidopsis leaves: implications for regulation of enzyme function. <i>Biochemical Journal</i> , 2020, 477, 3885-3896.	1.7	13
20	Increased Wheat Protein Content via Introgression of an HMW Glutenin Selectively Reshapes the Grain Proteome. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100097.	2.5	12
21	<i>In vivo</i> homopropargylglycine incorporation enables sampling, isolation and characterization of nascent proteins from <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2021, 107, 1260-1276.	2.8	7
22	Protein turnover in the developing <i>Triticum aestivum</i> grain. <i>New Phytologist</i> , 2022, 233, 1188-1201.	3.5	7
23	Autophagy mutants show delayed chloroplast development during de-etiolation in carbon limiting conditions. <i>Plant Journal</i> , 2021, 108, 459-477.	2.8	6
24	Enzymes degraded under high light maintain proteostasis by transcriptional regulation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121362119.	3.3	6
25	Day and night isotope labelling reveal metabolic pathway specific regulation of protein synthesis rates in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 109, 745-763.	2.8	5
26	Isolation of Mitochondria, Their Sub-Organellar Compartments, and Membranes. <i>Methods in Molecular Biology</i> , 2017, 1511, 83-96.	0.4	4
27	Proteomics for Autophagy Receptor and Cargo Identification in Plants. <i>Journal of Proteome Research</i> , 2021, 20, 129-138.	1.8	4
28	The molecular basis of cereal grain proteostasis. <i>Essays in Biochemistry</i> , 0, , .	2.1	1