

Boon Leong Lim

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,338
citations

394421

19
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477307

29
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31
docs citations

31
times ranked

1723
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis guard cell chloroplasts import cytosolic ATP for starch turnover and stomatal opening. <i>Nature Communications</i> , 2022, 13, 652.	12.8	24
2	Modulating the activities of chloroplasts and mitochondria promotes adenosine triphosphate production and plant growth. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	8
3	What is quantitative plant biology?. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	43
4	A Balance between the Activities of Chloroplasts and Mitochondria Is Crucial for Optimal Plant Growth. <i>Antioxidants</i> , 2021, 10, 935.	5.1	5
5	Overlapping Functions of the Paralogous Proteins AtPAP2 and AtPAP9 in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7243.	4.1	1
6	Differential RNA Editing and Intron Splicing in Soybean Mitochondria during Nodulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9378.	4.1	3
7	In planta study of photosynthesis and photorespiration using NADPH and NADH/NAD ⁺ fluorescent protein sensors. <i>Nature Communications</i> , 2020, 11, 3238.	12.8	85
8	ATP translocation and chloroplast biology. <i>National Science Review</i> , 2019, 6, 1073-1076.	9.5	13
9	Environmental Risks of Nano Zerovalent Iron for Arsenate Remediation: Impacts on Cytosolic Levels of Inorganic Phosphate and MgATP ²⁺ in <i>Arabidopsis thaliana</i> . <i>Environmental Science & Technology</i> , 2018, 52, 4385-4392.	10.0	24
10	ATP compartmentation in plastids and cytosol of <i>Arabidopsis thaliana</i> revealed by fluorescent protein sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10778-E10787.	7.1	72
11	RNA editing of cytochrome c maturation transcripts is responsive to the energy status of leaf cells in <i>Arabidopsis thaliana</i> . <i>Mitochondrion</i> , 2017, 35, 23-34.	3.4	7
12	ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology. <i>ELife</i> , 2017, 6, .	6.0	125
13	Transgenic <i>Arabidopsis thaliana</i> containing increased levels of ATP and sucrose is more susceptible to <i>Pseudomonas syringae</i> . <i>PLoS ONE</i> , 2017, 12, e0171040.	2.5	9
14	Comparison of Small RNA Profiles of <i>Glycine max</i> and <i>Glycine soja</i> at Early Developmental Stages. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2043.	4.1	7
15	AtPAP2 modulates the import of the small subunit of Rubisco into chloroplasts. <i>Plant Signaling and Behavior</i> , 2016, 11, e1239687.	2.4	18
16	Transcriptomic, proteomic and metabolic changes in <i>Arabidopsis thaliana</i> leaves after the onset of illumination. <i>BMC Plant Biology</i> , 2016, 16, 43.	3.6	39
17	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> , 2015, 169, 1344-1355.	4.8	30
18	Global small RNA analysis in fast-growing <i>Arabidopsis thaliana</i> with elevated concentrations of ATP and sugars. <i>BMC Genomics</i> , 2014, 15, 116.	2.8	21

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19	Heterologous expression of <i>AtPAP2</i> in transgenic potato influences carbon metabolism and tuber development. <i>FEBS Letters</i> , 2014, 588, 3726-3731.	2.8	29
20	De novo assembly and characterization of <i>Camelina sativa</i> transcriptome by paired-end sequencing. <i>BMC Genomics</i> , 2013, 14, 146.	2.8	83
21	Global transcriptome analysis of <i>AtPAP2</i> - overexpressing <i>Arabidopsis thaliana</i> with elevated ATP. <i>BMC Genomics</i> , 2013, 14, 752.	2.8	29
22	<i>AtPAP2</i> is a tail-anchored protein in the outer membrane of chloroplasts and mitochondria. <i>Plant Signaling and Behavior</i> , 2012, 7, 927-932.	2.4	39
23	Over-expression of <i>AtPAP2</i> in <i>Camelina sativa</i> leads to faster plant growth and higher seed yield. <i>Biotechnology for Biofuels</i> , 2012, 5, 19.	6.2	55
24	A dual-targeted purple acid phosphatase in <i>Arabidopsis thaliana</i> moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield. <i>New Phytologist</i> , 2012, 194, 206-219.	7.3	70
25	TonB-Dependent Receptors in Nitrogen-Fixing Nodulating Bacteria. <i>Microbes and Environments</i> , 2010, 25, 67-74.	1.6	26
26	Biochemical and Molecular Characterization of <i>PvPAP3</i> , a Novel Purple Acid Phosphatase Isolated from Common Bean Enhancing Extracellular ATP Utilization. <i>Plant Physiology</i> , 2010, 152, 854-865.	4.8	132
27	Molecular and Biochemical Characterization of <i>AtPAP15</i> , a Purple Acid Phosphatase with Phytase Activity, in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009, 151, 199-209.	4.8	105
28	Phytase activity in tobacco (<i>Nicotiana tabacum</i>) root exudates is exhibited by a purple acid phosphatase. <i>Phytochemistry</i> , 2008, 69, 365-373.	2.9	91
29	Distribution and diversity of phytate-mineralizing bacteria. <i>ISME Journal</i> , 2007, 1, 321-330.	9.8	145