Boon Leong Lim

List of Publications by Year
in descending order

29	1,338	394421 19	477307 29
papers	citations	h-index	g-index

31	31	31	1723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distribution and diversity of phytate-mineralizing bacteria. ISME Journal, 2007, 1, 321-330.	9.8	145
2	Biochemical and Molecular Characterization of PvPAP3, a Novel Purple Acid Phosphatase Isolated from Common Bean Enhancing Extracellular ATP Utilization Â Â. Plant Physiology, 2010, 152, 854-865.	4.8	132
3	ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology. ELife, 2017, 6, .	6.0	125
4	Molecular and Biochemical Characterization of AtPAP15, a Purple Acid Phosphatase with Phytase Activity, in Arabidopsis. Plant Physiology, 2009, 151, 199-209.	4.8	105
5	Phytase activity in tobacco (Nicotiana tabacum) root exudates is exhibited by a purple acid phosphatase. Phytochemistry, 2008, 69, 365-373.	2.9	91
6	In planta study of photosynthesis and photorespiration using NADPH and NADH/NAD+ fluorescent protein sensors. Nature Communications, 2020, 11, 3238.	12.8	85
7	De novo assembly and characterization of Camelina sativatranscriptome by paired-end sequencing. BMC Genomics, 2013, 14, 146.	2.8	83
8	ATP compartmentation in plastids and cytosol of Arabidopsis thaliana revealed by fluorescent protein sensing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10778-E10787.	7.1	72
9	A dualâ€targeted purple acid phosphatase in Arabidopsis thaliana moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield. New Phytologist, 2012, 194, 206-219.	7.3	70
10	Over-expression of AtPAP2 in Camelina sativa leads to faster plant growth and higher seed yield. Biotechnology for Biofuels, 2012, 5, 19.	6.2	55
11	What is quantitative plant biology?. Quantitative Plant Biology, 2021, 2, .	2.0	43
12	AtPAP2 is a tail-anchored protein in the outer membrane of chloroplasts and mitochondria. Plant Signaling and Behavior, 2012, 7, 927-932.	2.4	39
13	Transcriptomic, proteomic and metabolic changes in Arabidopsis thaliana leaves after the onset of illumination. BMC Plant Biology, 2016, 16, 43.	3.6	39
14	Phosphorylation and Dephosphorylation of the Presequence of Precursor MULTIPLE ORGANELLAR RNA EDITING FACTOR3 during Import into Mitochondria from Arabidopsis. Plant Physiology, 2015, 169, 1344-1355.	4.8	30
15	Global transcriptome analysis of AtPAP2 - overexpressing Arabidopsisthaliana with elevated ATP. BMC Genomics, 2013, 14, 752.	2.8	29
16	Heterologous expression of AtPAP2 in transgenic potato influences carbon metabolism and tuber development. FEBS Letters, 2014, 588, 3726-3731.	2.8	29
17	TonB-Dependent Receptors in Nitrogen-Fixing Nodulating Bacteria. Microbes and Environments, 2010, 25, 67-74.	1.6	26
18	Environmental Risks of Nano Zerovalent Iron for Arsenate Remediation: Impacts on Cytosolic Levels of Inorganic Phosphate and MgATP^{2â€“} in Arabidopsis thaliana. Environmental Science & Technology, 2018, 52, 4385-4392.	10.0	24

#	Article	IF	Citations
19	Arabidopsis guard cell chloroplasts import cytosolic ATP for starch turnover and stomatal opening. Nature Communications, 2022, 13, 652.	12.8	24
20	Global small RNA analysis in fast-growing Arabidopsis thaliana with elevated concentrations of ATP and sugars. BMC Genomics, 2014, 15, 116.	2.8	21
21	AtPAP2 modulates the import of the small subunit of Rubisco into chloroplasts. Plant Signaling and Behavior, 2016, 11, e1239687.	2.4	18
22	ATP translocation and chloroplast biology. National Science Review, 2019, 6, 1073-1076.	9.5	13
23	Transgenic Arabidopsis thaliana containing increased levels of ATP and sucrose is more susceptible to Pseudomonas syringae. PLoS ONE, 2017, 12, e0171040.	2.5	9
24	Modulating the activities of chloroplasts and mitochondria promotes adenosine triphosphate production and plant growth. Quantitative Plant Biology, 2021, 2, .	2.0	8
25	Comparison of Small RNA Profiles of Glycine max and Glycine soja at Early Developmental Stages. International Journal of Molecular Sciences, 2016, 17, 2043.	4.1	7
26	RNA editing of cytochrome c maturation transcripts is responsive to the energy status of leaf cells in Arabidopsis thaliana. Mitochondrion, 2017, 35, 23-34.	3.4	7
27	A Balance between the Activities of Chloroplasts and Mitochondria Is Crucial for Optimal Plant Growth. Antioxidants, 2021, 10, 935.	5.1	5
28	Differential RNA Editing and Intron Splicing in Soybean Mitochondria during Nodulation. International Journal of Molecular Sciences, 2020, 21, 9378.	4.1	3
29	Overlapping Functions of the Paralogous Proteins AtPAP2 and AtPAP9 in Arabidopsis thaliana. International Journal of Molecular Sciences, 2021, 22, 7243.	4.1	1