Takuya Matsuo

List of Publications by Year in descending order

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15 papers	481 citations	840776 11 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	591 citing authors

#	Article	IF	Citations
1	Methylation deficiency disrupts biological rhythms from bacteria to humans. Communications Biology, 2020, 3, 211.	4.4	17
2	The role of ROC75 as a daytime component of the circadian oscillator in Chlamydomonas reinhardtii. PLoS Genetics, 2020, 16, e1008814.	3.5	8
3	The CONSTANS flowering complex controls the protective response of photosynthesis in the green alga Chlamydomonas. Nature Communications, 2019, 10, 4099.	12.8	41
4	Isolation of photoprotective signal transduction mutants by systematic bioluminescence screening in Chlamydomonas reinhardtii. Scientific Reports, 2019, 9, 2820.	3.3	17
5	ROC75 is an Attenuator for the Circadian Clock that Controls LHCSR3 Expression. Plant and Cell Physiology, 2018, 59, 2602-2607.	3.1	3
6	CSL encodes a leucine-rich-repeat protein implicated in red/violet light signaling to the circadian clock in Chlamydomonas. PLoS Genetics, 2017, 13, e1006645.	3.5	12
7	Nitrogen starvationâ€induced accumulation of triacylglycerol in the green algae: evidence for a role for <scp>ROC</scp>40, a transcription factor involved in circadian rhythm. Plant Journal, 2016, 85, 743-757.	5.7	49
8	Diversity of plant circadian clocks: Insights from studies of Chlamydomonas reinhardtii and Physcomitrella patens. Plant Signaling and Behavior, 2016, 11, e1116661.	2.4	23
9	High-Throughput Phenotyping of Chlamydomonas Swimming Mutants Based on Nanoscale Video Analysis. Biophysical Journal, 2014, 107, 336-345.	0.5	10
10	Phase-resetting mechanism of the circadian clock in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13666-13671.	7.1	39
11	N-terminal acetyltransferase 3 gene is essential for robust circadian rhythm of bioluminescence reporter in Chlamydomonas reinhardtii. Biochemical and Biophysical Research Communications, 2012, 418, 342-346.	2.1	9
12	Chlamydomonas reinhardtii as a new model system for studying the molecular basis of the circadian clock. FEBS Letters, 2011, 585, 1495-1502.	2.8	47
13	New Insights into the Circadian Clock in Chlamydomonas. International Review of Cell and Molecular Biology, 2010, 280, 281-314.	3.2	29
14	A systematic forward genetic analysis identified components of the Chlamydomonas circadian system. Genes and Development, 2008, 22, 918-930.	5.9	110
15	Real-Time Monitoring of Chloroplast Gene Expression by a Luciferase Reporter: Evidence for Nuclear Regulation of Chloroplast Circadian Period. Molecular and Cellular Biology, 2006, 26, 863-870.	2.3	66