Joseph S Boyd

List of Publications by Year
in descending order

16 papers	474 citations	840776 11 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	511 citing authors

#	Article	IF	Citations
1	Expression of Heterologous OsDHAR Gene Improves Glutathione (GSH)-Dependent Antioxidant System and Maintenance of Cellular Redox Status in Synechococcus elongatus PCC 7942. Frontiers in Plant Science, 2020, 11, 231.	3.6	4
2	Expression of OsTPX Gene Improves Cellular Redox Homeostasis and Photosynthesis Efficiency in Synechococcus elongatus PCC 7942. Frontiers in Plant Science, 2018, 9, 1848.	3.6	8
3	Enhanced biomass and oxidative stress tolerance of Synechococcus elongatus PCC 7942 overexpressing the DHAR gene from Brassica juncea. Biotechnology Letters, 2017, 39, 1499-1507.	2.2	9
4	A Combined Computational and Genetic Approach Uncovers Network Interactions of the Cyanobacterial Circadian Clock. Journal of Bacteriology, 2016, 198, 2439-2447.	2.2	16
5	Detecting KaiC Phosphorylation Rhythms of the Cyanobacterial Circadian Oscillator In Vitro and In Vivo. Methods in Enzymology, 2015, 551, 153-173.	1.0	20
6	Cross-talk and regulatory interactions between the essential response regulator RpaB and cyanobacterial circadian clock output. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2198-2203.	7.1	51
7	A protein fold switch joins the circadian oscillator to clock output in cyanobacteria. Science, 2015, 349, 324-328.	12.6	157
8	Giving Time Purpose: The <i>Synechococcus elongatus</i> Clock in a Broader Network Context. Annual Review of Genetics, 2015, 49, 485-505.	7.6	32
9	Single mutations insasAenable a simpler Î”cikAgene network architecture with equivalent circadian properties. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5069-E5075.	7.1	11
10	An allele of the <i>crm</i> gene blocks cyanobacterial circadian rhythms. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13950-13955.	7.1	24
11	Active output state of the <i>Synechococcus</i> Kai circadian oscillator. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3849-57.	7.1	28
12	The daughter fourâ€membered microtubule rootlet determines anteriorâ€“posterior positioning of the eyespot in <i>Chlamydomonas reinhardtii</i>. Cytoskeleton, 2011, 68, 459-469.	2.0	18
13	New insights into eyespot placement and assembly in Chlamydomonas. Bioarchitecture, 2011, 1, 196-199.	1.5	16
14	Thioredoxin-family protein EYE2 and Ser/Thr kinase EYE3 play interdependent roles in eyespot assembly. Molecular Biology of the Cell, 2011, 22, 1421-1429.	2.1	26
15	Asymmetric properties of the Chlamydomonas reinhardtii cytoskeleton direct rhodopsin photoreceptor localization. Journal of Cell Biology, 2011, 193, 741-753.	5.2	48
16	Miniature- and Multiple-Eyespot Loci in<i>Chlamydomonas reinhardtii</i>Define New Modulators of Eyespot Photoreception and Assembly. G3: Genes, Genomes, Genetics, 2011, 1, 489-498.	1.8	6