

Joseph S Boyd

List of Publications by Year in descending order

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Version: 2024-02-01

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