

Yong-Ick Kim

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

606
citations

11
h-index

18
g-index

18
ext. papers

692
ext. citations

9.6
avg, IF

3.57
L-index

#	Paper	IF	Citations
17	Circadian rhythms. A protein fold switch joins the circadian oscillator to clock output in cyanobacteria. <i>Science</i> , 2015 , 349, 324-8	33.3	112
16	Elevated ATPase activity of KaiC applies a circadian checkpoint on cell division in <i>Synechococcus elongatus</i> . <i>Cell</i> , 2010 , 140, 529-39	56.2	112
15	The day/night switch in KaiC, a central oscillator component of the circadian clock of cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12825-30	11.5	101
14	Oxidized quinones signal onset of darkness directly to the cyanobacterial circadian oscillator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17765-9	11.5	81
13	The KaiA protein of the cyanobacterial circadian oscillator is modulated by a redox-active cofactor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5804-9	11.5	66
12	Simplicity and complexity in the cyanobacterial circadian clock mechanism. <i>Current Opinion in Genetics and Development</i> , 2010 , 20, 619-25	4.9	36
11	Detecting KaiC phosphorylation rhythms of the cyanobacterial circadian oscillator in vitro and in vivo. <i>Methods in Enzymology</i> , 2015 , 551, 153-73	1.7	18
10	CikA Modulates the Effect of KaiA on the Period of the Circadian Oscillation in KaiC Phosphorylation. <i>Journal of Biological Rhythms</i> , 2019 , 34, 218-223	3.2	15
9	Magnesium Regulates the Circadian Oscillator in Cyanobacteria. <i>Journal of Biological Rhythms</i> , 2019 , 34, 380-390	3.2	13
8	Cyanobacteria mediated heavy metal removal: a review on mechanism, biosynthesis, and removal capability. <i>Environmental Technology Reviews</i> , 2021 , 10, 44-57	7.7	12
7	A novel allele of kaiA shortens the circadian period and strengthens interaction of oscillator components in the cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. <i>Journal of Bacteriology</i> , 2009 , 191, 4392-400	3.5	11
6	Computational and empirical trans-hydrogen bond deuterium isotope shifts suggest that N1-N3 A:U hydrogen bonds of RNA are shorter than those of A:T hydrogen bonds of DNA. <i>Journal of Biomolecular NMR</i> , 2006 , 34, 229-36	3	11
5	CikA, an Input Pathway Component, Senses the Oxidized Quinone Signal to Generate Phase Delays in the Cyanobacterial Circadian Clock. <i>Journal of Biological Rhythms</i> , 2020 , 35, 227-234	3.2	5
4	Absolute Quantitation of Proteins by Coulometric Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 7877-7883	7.8	4
3	Purification of GST-Fused Cyanobacterial Central Oscillator Protein KaiC. <i>Applied Biochemistry and Microbiology</i> , 2020 , 56, 395-399	1.1	4
2	The Circadian Clock-A Molecular Tool for Survival in Cyanobacteria. <i>Life</i> , 2020 , 10,	3	3
1	An In Vitro Approach to Elucidating Clock-Modulating Metabolites 2021 , 203-220		1

