Yong-Ick Kim

List of Publications by Year in Descending Order

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