

Kazuki Terauchi

List of Publications by Year in descending order

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papers

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1040056

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docs citations

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times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Overall structure of fully assembled cyanobacterial KaiABC circadian clock complex by an integrated experimental-computational approach. <i>Communications Biology</i> , 2022, 5, 184.	4.4	5
2	Regulation mechanisms of the dual ATPase in KaiC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119627119.	7.1	5
3	Circadian clock in cyanobacteria. , 2022, , 47-59.		0
4	<i>Synechocystis</i> KaiC3 Displays Temperature- and KaiB-Dependent ATPase Activity and Is Important for Growth in Darkness. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	13
5	Mutation of alanine-422 in KaiC leads to a low amplitude of rhythm in the reconstituted cyanobacterial circadian clock. <i>Journal of General and Applied Microbiology</i> , 2020, 66, 140-146.	0.7	3
6	Pressure accelerates the circadian clock of cyanobacteria. <i>Scientific Reports</i> , 2019, 9, 12395.	3.3	11
7	Cooperative Binding of KaiB to the KaiC Hexamer Ensures Accurate Circadian Clock Oscillation in Cyanobacteria. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4550.	4.1	18
8	Phosphorylation at Thr432 induces structural destabilization of the <sc>CII</sc> ring in the circadian oscillator KaiC. <i>FEBS Letters</i> , 2018, 592, 36-45.	2.8	6
9	Soft X-Ray Imaging of Cellular Carbon and Nitrogen Distributions in Heterocystous Cyanobacteria. <i>Plant Physiology</i> , 2018, 177, 52-61.	4.8	7
10	Isolation of cyanobacterial mutants exhibiting growth defects under microoxic conditions by transposon tagging mutagenesis of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of General and Applied Microbiology</i> , 2017, 63, 131-138.	0.7	3
11	BN-PAGE analysis of cyanobacterial clock protein KaiC. <i>Denki Eido</i> , 2017, 61, 107-110.	0.0	0
12	Stoichiometry of ATP hydrolysis and chlorophyllide formation of dark-operative protochlorophyllide oxidoreductase from <i>Rhodobacter capsulatus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 704-709.	2.1	12
13	Structural characterization of the circadian clock protein complex composed of KaiB and KaiC by inverse contrast-matching small-angle neutron scattering. <i>Scientific Reports</i> , 2016, 6, 35567.	3.3	24
14	Conversion between two conformational states of KaiC is induced by ATP hydrolysis as a trigger for cyanobacterial circadian oscillation. <i>Scientific Reports</i> , 2016, 6, 32443.	3.3	32
15	Loss of Cytochrome cM Stimulates Cyanobacterial Heterotrophic Growth in the Dark. <i>Plant and Cell Physiology</i> , 2015, 56, 334-345.	3.1	28
16	Tracking and visualizing the circadian ticking of the cyanobacterial clock protein KaiC in solution. <i>EMBO Journal</i> , 2011, 30, 68-78.	7.8	76
17	ATPase activity of KaiC determines the basic timing for circadian clock of cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16377-16381.	7.1	226
18	A sequential program of dual phosphorylation of KaiC as a basis for circadian rhythm in cyanobacteria. <i>EMBO Journal</i> , 2007, 26, 4029-4037.	7.8	223