# Kazuki Terauchi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2547761/publications.pdf

Version: 2024-02-01

| 18 | 697 | 1040056 | 940533 |
|---|---|---|---|
| papers | citations | 9 h-index | 16 g-index |

| 20 | 20 | 20 | 491 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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