Shogo Ozaki

List of Publications by Year
in descending order

30 papers	1,272 citations	528359 15 h-index	488912 28 g-index
31 all docs	31 docs citations	31 times ranked	1032 citing authors

#	Article	IF	Citations
1	Regulation of the replication cycle: conserved and diverse regulatory systems for DnaA and oriC. Nature Reviews Microbiology, 2010, 8, 163-170.	29.2	274
2	The interaction of DiaA and DnaA regulates the replication cycle in E. coli by directly promoting ATPâ€“DnaA-specific initiation complexes. Genes and Development, 2007, 21, 2083-2099.	5.9	128
3	A Common Mechanism for the ATP-DnaA-dependent Formation of Open Complexes at the Replication Origin. Journal of Biological Chemistry, 2008, 283, 8351-8362.	3.5	125
4	Highly organized DnaAâ€“ oriC complexes recruit the single-stranded DNA for replication initiation. Nucleic Acids Research, 2012, 40, 1648-1665.	14.0	109
5	DnaA structure, function, and dynamics in the initiation at the chromosomal origin. Plasmid, 2009, 62, 71-82.	1.4	81
6	Cyclic di-GMP mediates a histidine kinase/phosphatase switch by noncovalent domain cross-linking. Science Advances, 2016, 2, e1600823.	10.9	70
7	Differentiation of the DnaA-oriC Subcomplex for DNA Unwinding in a Replication Initiation Complex. Journal of Biological Chemistry, 2012, 287, 37458-37471.	3.5	65
8	Activation and polar sequestration of <scp>PopA</scp>, a câ€diâ€<scp>GMP</scp> effector protein involved in <scp>C</scp>aulobacter crescentus cell cycle control. Molecular Microbiology, 2014, 94, 580-594.	2.5	54
9	De- and repolarization mechanism of flagellar morphogenesis during a bacterial cell cycle. Genes and Development, 2013, 27, 2049-2062.	5.9	53
10	Expression and Genetic Activation of Cyclic Di-GMP-Specific Phosphodiesterases in Escherichia coli. Journal of Bacteriology, 2016, 198, 448-462.	2.4	51
11	The exceptionally tight affinity of DnaA for ATP/ADP requires a unique aspartic acid residue in the AAA+ sensor 1 motif. Molecular Microbiology, 2006, 62, 1310-1324.	2.5	39
12	The DnaA homolog of the hyperthermophilic eubacterium Thermotoga maritima forms an open complex with a minimal 149-bp origin region in an ATP-dependent manner. Genes To Cells, 2006, 11, 425-438.	1.3	33
13	A Replicase Clamp-Binding Dynamin-like Protein Promotes Colocalization of Nascent DNA Strands and Equipartitioning of Chromosomes in E.Âcoli. Cell Reports, 2013, 4, 985-995.	6.3	31
14	Novel heat shock protein HspQ stimulates the degradation of mutant DnaA protein in Escherichia coli. Genes To Cells, 2004, 9, 1151-1166.	1.3	22
15	DnaB helicase is recruited to the replication initiation complex via binding of DnaA domain I to the lateral surface of the DnaB N-terminal domain. Journal of Biological Chemistry, 2020, 295, 11131-11143.	3.5	18
16	Novel Divisome-Associated Protein Spatially Coupling the Z-Ring with the Chromosomal Replication Terminus in Caulobacter crescentus. MBio, 2020, 11, .	4.4	16
17	A novel mode of DnaAâ€“DnaA interaction promotes ADP dissociation for reactivation of replication initiation activity. Nucleic Acids Research, 2019, 47, 11209-11224.	14.0	14
18	The DnaA AAA+ Domain His136 Residue Directs DnaB Replicative Helicase to the Unwound Region of the Replication Origin, oriC. Frontiers in Microbiology, 2018, 9, 2017.	3.6	13

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19	Negative feedback forDARS2â€“Fis complex by ATPâ€“DnaA supports the cell cycle-coordinated regulation for chromosome replication. Nucleic Acids Research, 2021, 49, 12820-12835.	14.0	12
20	Stable nucleotide binding to DnaA requires a specific glutamic acid residue within the AAA+ box II motif. Journal of Structural Biology, 2012, 179, 242-250.	2.9	10
21	Z-Ring-Associated Proteins Regulate Clustering of the Replication Terminus-Binding Protein ZapT in Caulobacter crescentus. MBio, 2021, 12, .	4.4	9
22	Single-stranded DNA recruitment mechanism in replication origin unwinding by DnaA initiator protein and HU, an evolutionary ubiquitous nucleoid protein. Nucleic Acids Research, 2023, 51, 6286-6306.	14.0	9
23	Escherichia coli CrfC Protein, a Nucleoid Partition Factor, Localizes to Nucleoid Poles via the Activities of Specific Nucleoid-Associated Proteins. Frontiers in Microbiology, 2019, 10, 72.	3.6	8
24	Concerted actions of DnaA complexes with DNA-unwinding sequences within and flanking replication origin oriC promote DnaB helicase loading. Journal of Biological Chemistry, 2022, 298, 102051.	3.5	8
25	Regulation of replication initiation: lessons from <i>Caulobacter crescentus</i>. Genes and Genetic Systems, 2019, 94, 183-196.	0.7	7
26	IHF and Fis as Escherichia coli Cell Cycle Regulators: Activation of the Replication Origin oriC and the Regulatory Cycle of the DnaA Initiator. International Journal of Molecular Sciences, 2023, 24, 11572.	4.2	5
27	The Caulobacter crescentus DciA promotes chromosome replication through topological loading of the DnaB replicative helicase at replication forks. Nucleic Acids Research, 2022, 50, 12896-12912.	14.0	4
28	Thermotoga maritima oriC involves a DNA unwinding element with distinct modules and a DnaA-oligomerizing region with a novel directional binding mode. Journal of Biological Chemistry, 2023, 299, 104888.	3.5	2
29	Bacterial second messenger switches enzyme into 'reverse gear'. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C244-C244.	0.1	0
30	Frequent nonhomologous replacement of replicative helicase loaders by viruses in Vibrionaceae. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.6	0