

Rong Gao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,566
citations

840776

11
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

1917
citing authors

#	ARTICLE	IF	CITATIONS
1	A balancing act in transcription regulation by response regulators: titration of transcription factor activity by decoy DNA binding sites. <i>Nucleic Acids Research</i> , 2021, 49, 11537-11549.	14.5	11
2	Thiol-based functional mimicry of phosphorylation of the two-component system response regulator ArcA promotes pathogenesis in enteric pathogens. <i>Cell Reports</i> , 2021, 37, 110147.	6.4	11
3	Structural asymmetry does not indicate hemiphosphorylation in the bacterial histidine kinase CpxA. <i>Journal of Biological Chemistry</i> , 2020, 295, 8106-8117.	3.4	4
4	Structural Basis of Response Regulator Function. <i>Annual Review of Microbiology</i> , 2019, 73, 175-197.	7.3	118
5	Overcoming the Cost of Positive Autoregulation by Accelerating the Response with a Coupled Negative Feedback. <i>Cell Reports</i> , 2018, 24, 3061-3071.e6.	6.4	24
6	Quantitative Analysis of Intracellular Response Regulator Phosphatase Activity of Histidine Kinases. <i>Methods in Enzymology</i> , 2018, 607, 301-319.	1.0	11
7	Quantitative Kinetic Analyses of Shutting Off a Two-Component System. <i>MBio</i> , 2017, 8, .	4.1	27
8	Counterbalancing Regulation in Response Memory of a Positively Autoregulated Two-Component System. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	7
9	Temporal Hierarchy of Gene Expression Mediated by Transcription Factor Binding Affinity and Activation Dynamics. <i>MBio</i> , 2015, 6, e00686-15.	4.1	40
10	Evolutionary Tuning of Protein Expression Levels of a Positively Autoregulated Two-Component System. <i>PLoS Genetics</i> , 2013, 9, e1003927.	3.5	32
11	Probing kinase and phosphatase activities of two-component systems in vivo with concentration-dependent phosphorylation profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 672-677.	7.1	67
12	Inhibition of Bacterial Virulence: Drug-Like Molecules Targeting the <i>Salmonella enterica</i> PhoP Response Regulator. <i>Chemical Biology and Drug Design</i> , 2012, 79, 1007-1017.	3.2	49
13	Molecular strategies for phosphorylation-mediated regulation of response regulator activity. <i>Current Opinion in Microbiology</i> , 2010, 13, 160-167.	5.1	149
14	Catalytically Incompetent by Design. <i>Structure</i> , 2009, 17, 1038-1040.	3.3	5
15	Biological Insights from Structures of Two-Component Proteins. <i>Annual Review of Microbiology</i> , 2009, 63, 133-154.	7.3	675
16	System-level mapping of <i>Escherichia coli</i> response regulator dimerization with FRET hybrids. <i>Molecular Microbiology</i> , 2008, 69, 1358-1372.	2.5	50
17	Bacterial response regulators: versatile regulatory strategies from common domains. <i>Trends in Biochemical Sciences</i> , 2007, 32, 225-234.	7.5	286