Zhongge Zhang

List of Publications by Year
in descending order

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23 papers	3,164 citations	758635 12 h-index	794141 19 g-index
26 all docs	26 docs citations	26 times ranked	3338 citing authors

#	Article	IF	Citations
1	A systems approach discovers the role and characteristics of seven LysR type transcription factors in Escherichia coli. Scientific Reports, 2022, 12, 7274.	1.6	5
2	Cellular perception of growth rate and the mechanistic origin of bacterial growth law. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201585119.	3.3	38
3	From coarse to fine: the absolute Escherichia coli proteome under diverse growth conditions. Molecular Systems Biology, 2021, 17, e9536.	3.2	82
4	Protein-Protein Interactions in the Cytoplasmic Membrane of <i>Escherichia coli</i>: Influence of the Overexpression of Diverse Transporter-Encoding Genes on the Activities of PTS Sugar Uptake Systems. Microbial Physiology, 2020, 30, 36-49.	1.1	1
5	A Riboflavin Transporter in Bdellovibrio exovorous JSS. Journal of Molecular Microbiology and Biotechnology, 2019, 29, 27-34.	1.0	3
6	Protein:Protein interactions in the cytoplasmic membrane apparently influencing sugar transport and phosphorylation activities of the e. coli phosphotransferase system. PLoS ONE, 2019, 14, e0219332.	1.1	6
7	Title is missing!. , 2019, 14, e0219332.		0
8	Title is missing!. , 2019, 14, e0219332.		0
9	Title is missing!. , 2019, 14, e0219332.		0
10	Title is missing!. , 2019, 14, e0219332.		0
11	Global landscape of cell envelope protein complexes in Escherichia coli. Nature Biotechnology, 2018, 36, 103-112.	9.4	110
12	The phosphocarrier protein HPr of the bacterial phosphotransferase system globally regulates energy metabolism by directly interacting with multiple enzymes in Escherichia coli. Journal of Biological Chemistry, 2017, 292, 14250-14257.	1.6	42
13	Hopping into a hot seat: Role of DNA structural features on IS5-mediated gene activation and inactivation under stress. PLoS ONE, 2017, 12, e0180156.	1.1	15
14	Transposon-mediated directed mutation in bacteria and eukaryotes. Frontiers in Bioscience - Landmark, 2017, 22, 1458-1468.	3.0	11
15	Environment-directed activation of the Escherichia coli flhDC operon by transposons. Microbiology (United Kingdom), 2017, 163, 554-569.	0.7	17
16	Transposon-mediated activation of the Escherichia coli glpFK operon is inhibited by specific DNA-binding proteins: Implications for stress-induced transposition events. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 793-794, 22-31.	0.4	9
17	Overflow metabolism in Escherichia coli results from efficient proteome allocation. Nature, 2015, 528, 99-104.	13.7	566
18	Regulation of <i>crp</i> Gene Expression by the Catabolite Repressor/Activator, Cra, in <i>Escherichia coli</i>. Journal of Molecular Microbiology and Biotechnology, 2014, 24, 135-141.	1.0	23

#	Article	IF	Citations
19	Transposon-mediated directed mutation controlled by DNA binding proteins in Escherichia coli. Frontiers in Microbiology, 2014, 5, 390.	1.5	10
20	Coordination of bacterial proteome with metabolism by cyclic AMP signalling. Nature, 2013, 500, 301-306.	13.7	375
21	Transposon-Mediated Adaptive and Directed Mutations and Their Potential Evolutionary Benefits. Journal of Molecular Microbiology and Biotechnology, 2011, 21, 59-70.	1.0	37
22	Interdependence of Cell Growth and Gene Expression: Origins and Consequences. Science, 2010, 330, 1099-1102.	6.0	1,183
23	Growth Rate-Dependent Global Effects on Gene Expression in Bacteria. Cell, 2009, 139, 1366-1375.	13.5	614