

Zhongge Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5494341/publications.pdf>

Version: 2024-02-01

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	Interdependence of Cell Growth and Gene Expression: Origins and Consequences. <i>Science</i> , 2010, 330, 1099-1102.	6.0	1,183
2	Growth Rate-Dependent Global Effects on Gene Expression in Bacteria. <i>Cell</i> , 2009, 139, 1366-1375.	13.5	614
3	Overflow metabolism in <i>Escherichia coli</i> results from efficient proteome allocation. <i>Nature</i> , 2015, 528, 99-104.	13.7	566
4	Coordination of bacterial proteome with metabolism by cyclic AMP signalling. <i>Nature</i> , 2013, 500, 301-306.	13.7	375
5	Global landscape of cell envelope protein complexes in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2018, 36, 103-112.	9.4	110
6	From coarse to fine: the absolute <i>Escherichia coli</i> proteome under diverse growth conditions. <i>Molecular Systems Biology</i> , 2021, 17, e9536.	3.2	82
7	The phosphocarrier protein HPr of the bacterial phosphotransferase system globally regulates energy metabolism by directly interacting with multiple enzymes in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 14250-14257.	1.6	42
8	Cellular perception of growth rate and the mechanistic origin of bacterial growth law. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2201585119.	3.3	38
9	Transposon-Mediated Adaptive and Directed Mutations and Their Potential Evolutionary Benefits. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2011, 21, 59-70.	1.0	37
10	Regulation of <i>crp</i> Gene Expression by the Catabolite Repressor/Activator, Cra, in <i>Escherichia coli</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2014, 24, 135-141.	1.0	23
11	Environment-directed activation of the <i>Escherichia coli</i> <i>flhDC</i> operon by transposons. <i>Microbiology (United Kingdom)</i> , 2017, 163, 554-569.	0.7	17
12	Hopping into a hot seat: Role of DNA structural features on IS5-mediated gene activation and inactivation under stress. <i>PLoS ONE</i> , 2017, 12, e0180156.	1.1	15
13	Transposon-mediated directed mutation in bacteria and eukaryotes. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 1458-1468.	3.0	11
14	Transposon-mediated directed mutation controlled by DNA binding proteins in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 390.	1.5	10
15	Transposon-mediated activation of the <i>Escherichia coli</i> <i>glpFK</i> operon is inhibited by specific DNA-binding proteins: Implications for stress-induced transposition events. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 793-794, 22-31.	0.4	9
16	Protein:Protein interactions in the cytoplasmic membrane apparently influencing sugar transport and phosphorylation activities of the <i>e. coli</i> phosphotransferase system. <i>PLoS ONE</i> , 2019, 14, e0219332.	1.1	6
17	A systems approach discovers the role and characteristics of seven LysR type transcription factors in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2022, 12, 7274.	1.6	5
18	A Riboflavin Transporter in <i>Bdellovibrio exovorous</i> JSS. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2019, 29, 27-34.	1.0	3

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19	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. <i>Microbial Physiology</i> , 2020, 30, 36-49.	1.1	1
20	Title is missing!. , 2019, 14, e0219332.		0
21	Title is missing!. , 2019, 14, e0219332.		0
22	Title is missing!. , 2019, 14, e0219332.		0
23	Title is missing!. , 2019, 14, e0219332.		0