

Irina A Rodionova

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,141
citations

567281

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h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

1807
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Class of Modular Transporters for Vitamins in Prokaryotes. <i>Journal of Bacteriology</i> , 2009, 191, 42-51.	2.2	280
2	Global landscape of cell envelope protein complexes in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2018, 36, 103-112.	17.5	110
3	Genomic encyclopedia of sugar utilization pathways in the <i>Shewanella</i> genus. <i>BMC Genomics</i> , 2010, 11, 494.	2.8	89
4	Elucidation of roles for vitamin B ₁₂ in regulation of folate, ubiquinone, and methionine metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1205-E1214.	7.1	75
5	Genomic distribution of B ₁₂ vitamin auxotrophy and uptake transporters in environmental bacteria from the <i>Candidatus Chloroflexi</i> phylum. <i>Environmental Microbiology Reports</i> , 2015, 7, 204-210.	2.4	71
6	Comparative genomics and functional analysis of rhamnose catabolic pathways and regulons in bacteria. <i>Frontiers in Microbiology</i> , 2013, 4, 407.	3.5	55
7	The COMBREX Project: Design, Methodology, and Initial Results. <i>PLoS Biology</i> , 2013, 11, e1001638.	5.6	54
8	Transcriptional regulation of the carbohydrate utilization network in <i>Thermotoga maritima</i> . <i>Frontiers in Microbiology</i> , 2013, 4, 244.	3.5	48
9	A novel bifunctional transcriptional regulator of riboflavin metabolism in Archaea. <i>Nucleic Acids Research</i> , 2017, 45, gkw1331.	14.5	44
10	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.	3.4	42
11	Tagaturonate-fructuronate epimerase (UxA), a novel enzyme in the hexuronate catabolic network in <i>Thermotoga maritima</i> . <i>Environmental Microbiology</i> , 2012, 14, 2920-2934.	3.8	41
12	Arginylation regulates purine nucleotide biosynthesis by enhancing the activity of phosphoribosyl pyrophosphate synthase. <i>Nature Communications</i> , 2015, 6, 7517.	12.8	36
13	Unraveling the functions of uncharacterized transcription factors in <i>Escherichia coli</i> using ChIP-exo. <i>Nucleic Acids Research</i> , 2021, 49, 9696-9710.	14.5	30
14	Diversity and Versatility of the <i>Thermotoga maritima</i> Sugar Kinome. <i>Journal of Bacteriology</i> , 2012, 194, 5552-5563.	2.2	25
15	Novel inositol catabolic pathway in <i>Thermotoga maritima</i> . <i>Environmental Microbiology</i> , 2013, 15, 2254-2266.	3.8	23
16	The Nitrogen Regulatory PII Protein (GlnB) and N-Acetylglucosamine 6-Phosphate Epimerase (NanE) Allosterically Activate Glucosamine 6-Phosphate Deaminase (NagB) in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	19
17	Novel Metabolic Pathways and Regulons for Hexuronate Utilization in Proteobacteria. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	19
18	Novel Antimycobacterial Compounds Suppress NAD Biogenesis by Targeting a Unique Pocket of NaMN Adenyltransferase. <i>ACS Chemical Biology</i> , 2019, 14, 949-958.	3.4	15

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19	Identification of a transcription factor, PunR, that regulates the purine and purine nucleoside transporter punC in <i>E. coli</i> . <i>Communications Biology</i> , 2021, 4, 991.	4.4	13
20	Novel Transcriptional Regulons for Autotrophic Cycle Genes in Crenarchaeota. <i>Journal of Bacteriology</i> , 2015, 197, 2383-2391.	2.2	11
21	The uridylyltransferase GlnD and tRNA modification GTPase MnmE allosterically control <i>Escherichia coli</i> folylpoly- β -glutamate synthase FolC. <i>Journal of Biological Chemistry</i> , 2018, 293, 15725-15732.	3.4	11
22	Transcriptional Regulation of Plant Biomass Degradation and Carbohydrate Utilization Genes in the Extreme Thermophile <i>Caldicellulosiruptor bescii</i> . <i>MSystems</i> , 2021, 6, e0134520.	3.8	10
23	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.	3.3	5
24	A Riboflavin Transporter in <i>Bdellovibrio exovorus</i> . <i>JSS. Journal of Molecular Microbiology and Biotechnology</i> , 2019, 29, 27-34.	1.0	3