

Pohl Milon

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,139
citations

623188

14
h-index

476904

29
g-index

39
all docs

39
docs citations

39
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	The nucleotide-binding site of bacterial translation initiation factor 2 (IF2) as a metabolic sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13962-13967.	3.3	155
2	Kinetic Checkpoint at a Late Step in Translation Initiation. <i>Molecular Cell</i> , 2008, 30, 712-720.	4.5	115
3	Transient Kinetics, Fluorescence, and FRET in Studies of Initiation of Translation in Bacteria. <i>Methods in Enzymology</i> , 2007, 430, 1-30.	0.4	110
4	The Cryo-EM Structure of a Complete 30S Translation Initiation Complex from <i>Escherichia coli</i> . <i>PLoS Biology</i> , 2011, 9, e1001095.	2.6	102
5	Kinetic control of translation initiation in bacteria. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2012, 47, 334-348.	2.3	95
6	Real-time assembly landscape of bacterial 30S translation initiation complex. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 609-615.	3.6	88
7	The ribosome-bound initiation factor 2 recruits initiator tRNA to the 30S initiation complex. <i>EMBO Reports</i> , 2010, 11, 312-316.	2.0	86
8	Impact of methylations of m2G966/m5C967 in 16S rRNA on bacterial fitness and translation initiation. <i>Nucleic Acids Research</i> , 2012, 40, 7885-7895.	6.5	55
9	Directional transition from initiation to elongation in bacterial translation. <i>Nucleic Acids Research</i> , 2015, 43, 10700-10712.	6.5	41
10	Methods for Identifying Compounds that Specifically Target Translation. <i>Methods in Enzymology</i> , 2007, 431, 229-267.	0.4	39
11	How the initiating ribosome copes with ppGpp to translate mRNAs. <i>PLoS Biology</i> , 2020, 18, e3000593.	2.6	37
12	Structural and functional characterization of the bacterial translocation inhibitor GE82832. <i>FEBS Letters</i> , 2012, 586, 3373-3378.	1.3	23
13	Conformational Response of 30S-bound IF3 to A-Site Binders Streptomycin and Kanamycin. <i>Antibiotics</i> , 2016, 5, 38.	1.5	17
14	Real-Time Dynamics of Ribosome-Ligand Interaction by Time-Resolved Chemical Probing Methods. <i>Methods in Enzymology</i> , 2007, 430, 45-58.	0.4	16
15	Ribosomal Interaction of <i>Bacillus stearothermophilus</i> Translation Initiation Factor IF2: Characterization of the Active Sites. <i>Journal of Molecular Biology</i> , 2010, 396, 118-129.	2.0	16
16	Crystallographic characterization of the ribosomal binding site and molecular mechanism of action of Hygromycin A. <i>Nucleic Acids Research</i> , 2015, 43, gkv975.	6.5	15
17	Unlocking SARS-CoV-2 detection in low- and middle-income countries. <i>Cell Reports Methods</i> , 2021, 1, 100093.	1.4	15
18	Role of the Initiation Factors in mRNA Start Site Selection and fMet-tRNA Recruitment by Bacterial Ribosomes. <i>Israel Journal of Chemistry</i> , 2010, 50, 80-94.	1.0	14

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19	Translation initiation without IF2-dependent GTP hydrolysis. <i>Nucleic Acids Research</i> , 2012, 40, 7946-7955.	6.5	14
20	Novel insights into the architecture and protein interaction network of yeast eIF3. <i>Rna</i> , 2012, 18, 2306-2319.	1.6	13
21	DNA aptamers for the recognition of HMGB1 from <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2019, 14, e0211756.	1.1	13
22	Antibiotics Targeting the 30S Ribosomal Subunit: A Lesson from Nature to Find and Develop New Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2019, 18, 2080-2096.	1.0	12
23	Multifaceted Mechanism of Amicoumacin A Inhibition of Bacterial Translation. <i>Frontiers in Microbiology</i> , 2021, 12, 618857.	1.5	11
24	A Complementary Mechanism of Bacterial mRNA Translation Inhibition by Tetracyclines. <i>Frontiers in Microbiology</i> , 2021, 12, 682682.	1.5	7
25	UnCovid: A versatile, low-cost, and open-source protocol for SARS-CoV-2 RNA detection. <i>STAR Protocols</i> , 2021, 2, 100878.	0.5	6
26	The Stringent Response Inhibits 70S Ribosome Formation in <i>Staphylococcus aureus</i> by Impeding GTPase-Ribosome Interactions. <i>MBio</i> , 2021, 12, e0267921.	1.8	6
27	A low-cost and open-source protocol to produce key enzymes for molecular detection assays. <i>STAR Protocols</i> , 2021, 2, 100899.	0.5	5
28	The dynamic cycle of bacterial translation initiation factor IF3. <i>Nucleic Acids Research</i> , 2021, 49, 6958-6970.	6.5	3
29	Long-range allostery mediates cooperative adenine nucleotide binding by the Ski2-like RNA helicase Brr2. <i>Journal of Biological Chemistry</i> , 2021, 297, 100829.	1.6	3
30	A Smartphone-Enabled, Portable and Stand-Alone Fluorescence Quantitation System. , 2018, , .		0