

Nancy A Woychik

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,223
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	The RNA Polymerase II Machinery. <i>Cell</i> , 2002, 108, 453-463.	28.9	246
2	Bacterial toxin YafQ is an endoribonuclease that associates with the ribosome and blocks translation elongation through sequence-specific and frame-dependent mRNA cleavage. <i>Molecular Microbiology</i> , 2009, 71, 1071-1087.	2.5	142
3	Single Protein Production in Living Cells Facilitated by an mRNA Interferase. <i>Molecular Cell</i> , 2005, 18, 253-261.	9.7	138
4	Mycobacterial toxin MazF-mt6 inhibits translation through cleavage of 23S rRNA at the ribosomal A site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8501-8506.	7.1	114
5	An RNA-seq method for defining endoribonuclease cleavage specificity identifies dual rRNA substrates for toxin MazF-mt3. <i>Nature Communications</i> , 2014, 5, 3538.	12.8	91
6	tRNA is a new target for cleavage by a MazF toxin. <i>Nucleic Acids Research</i> , 2016, 44, 1256-1270.	14.5	83
7	Noncognate Mycobacterium tuberculosis Toxin-Antitoxins Can Physically and Functionally Interact. <i>Journal of Biological Chemistry</i> , 2010, 285, 39732-39738.	3.4	82
8	Growth-regulating Mycobacterium tuberculosis VapC-mt4 toxin is an isoacceptor-specific tRNase. <i>Nature Communications</i> , 2015, 6, 7480.	12.8	79
9	Growth and Translation Inhibition through Sequence-specific RNA Binding by Mycobacterium tuberculosis VapC Toxin. <i>Journal of Biological Chemistry</i> , 2012, 287, 12835-12847.	3.4	60
10	Clostridium difficile MazF Toxin Exhibits Selective, Not Global, mRNA Cleavage. <i>Journal of Bacteriology</i> , 2012, 194, 3464-3474.	2.2	59
11	Accurate target identification for Mycobacterium tuberculosis endoribonuclease toxins requires expression in their native host. <i>Scientific Reports</i> , 2019, 9, 5949.	3.3	28
12	Toxin-mediated ribosome stalling reprograms the Mycobacterium tuberculosis proteome. <i>Nature Communications</i> , 2019, 10, 3035.	12.8	22
13	Mycobacterium tuberculosis VapC4 toxin engages small ORFs to initiate an integrated oxidative and copper stress response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
14	23S rRNA as an a-Maz-ing new bacterial toxin target. <i>RNA Biology</i> , 2014, 11, 101-105.	3.1	13
15	tRNA ^{fMet} Inactivating Mycobacterium tuberculosis VapBC Toxin-Antitoxin Systems as Therapeutic Targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0189621.	3.2	11
16	Teaching Fido New Modification Tricks. <i>PLoS Pathogens</i> , 2014, 10, e1004349.	4.7	10
17	tRNAs taking charge. <i>Pathogens and Disease</i> , 2016, 74, ftv117.	2.0	10
18	Cloaked dagger: tRNA slicing by an unlikely culprit. <i>RNA Biology</i> , 2017, 14, 15-19.	3.1	9

#	ARTICLE	IF	CITATIONS
19	The Sole Mycobacterium smegmatis MazF Toxin Targets tRNALys to Impart Highly Selective, Codon-Dependent Proteome Reprogramming. Frontiers in Genetics, 2020, 10, 1356.	2.3	9