Nora VÃ¡zquez-Laslop

List of Publications by Year
in descending order

51 papers	3,019 citations	186265 28 h-index	233421 45 g-index
57 all docs	57 docs citations	57 times ranked	2348 citing authors

#	Article	IF	Citations
1	Increased Persistence in <i>Escherichia coli</i> Caused by Controlled Expression of Toxins or Other Unrelated Proteins. Journal of Bacteriology, 2006, 188, 3494-3497.	2.2	252
2	Molecular Mechanism of Drug-Dependent Ribosome Stalling. Molecular Cell, 2008, 30, 190-202.	9.7	243
3	How Macrolide Antibiotics Work. Trends in Biochemical Sciences, 2018, 43, 668-684.	7.5	206
4	Programmed drugâ€dependent ribosome stalling. Molecular Microbiology, 2009, 71, 811-824.	2.5	145
5	Retapamulin-Assisted Ribosome Profiling Reveals the Alternative Bacterial Proteome. Molecular Cell, 2019, 74, 481-493.e6.	9.7	140
6	The key function of a conserved and modified rRNA residue in the ribosomal response to the nascent peptide. EMBO Journal, 2010, 29, 3108-3117.	7.8	138
7	Selective Protein Synthesis by Ribosomes with a Drug-Obstructed Exit Tunnel. Cell, 2012, 151, 508-520.	28.9	130
8	Context-specific inhibition of translation by ribosomal antibiotics targeting the peptidyl transferase center. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12150-12155.	7.1	130
9	An antimicrobial peptide that inhibits translation by trapping release factors on the ribosome. Nature Structural and Molecular Biology, 2017, 24, 752-757.	8.2	123
10	Molecular basis for erythromycin-dependent ribosome stalling during translation of the ErmBL leader peptide. Nature Communications, 2014, 5, 3501.	12.8	115
11	Nascent Peptide in the Ribosome Exit Tunnel Affects Functional Properties of the A-Site of the Peptidyl Transferase Center. Molecular Cell, 2011, 41, 321-330.	9.7	114
12	Drug Sensing by the Ribosome Induces Translational Arrest via Active Site Perturbation. Molecular Cell, 2014, 56, 446-452.	9.7	104
13	Macrolide antibiotics allosterically predispose the ribosome for translation arrest. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9804-9809.	7.1	99
14	Programmed Ribosomal Frameshifting Generates a Copper Transporter and a Copper Chaperone from the Same Gene. Molecular Cell, 2017, 65, 207-219.	9.7	81
15	Regulation of Gene Expression by Macrolide-Induced Ribosomal Frameshifting. Molecular Cell, 2013, 52, 629-642.	9.7	69
16	Role of antibiotic ligand in nascent peptide-dependent ribosome stalling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10496-10501.	7.1	60
17	Deregulation of translation due to post-transcriptional modification of rRNA explains why erm genes are inducible. Nature Communications, 2013, 4, 1984.	12.8	57
18	Kinetics of drugâ€“ribosome interactions defines the cidality of macrolide antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13673-13678.	7.1	48

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19	Context-Specific Action of Ribosomal Antibiotics. Annual Review of Microbiology, 2018, 72, 185-207.	7.3	47
20	Identifying the targets of aminoacyl-tRNA synthetase inhibitors by primer extension inhibition. Nucleic Acids Research, 2013, 41, e144-e144.	14.5	44
21	Nascent peptide assists the ribosome in recognizing chemically distinct small molecules. Nature Chemical Biology, 2016, 12, 153-158.	8.0	43
22	Dynamics of the context-specific translation arrest by chloramphenicol and linezolid. Nature Chemical Biology, 2020, 16, 310-317.	8.0	43
23	Structural and mechanistic basis for translation inhibition by macrolide and ketolide antibiotics. Nature Communications, 2021, 12, 4466.	12.8	43
24	Interactions of the TnaC nascent peptide with rRNA in the exit tunnel enable the ribosome to respond to free tryptophan. Nucleic Acids Research, 2014, 42, 1245-1256.	14.5	41
25	Negamycin Interferes with Decoding and Translocation by Simultaneous Interaction with rRNA and tRNA. Molecular Cell, 2014, 56, 541-550.	9.7	41
26	Assembly and functionality of the ribosome with tethered subunits. Nature Communications, 2019, 10, 930.	12.8	39
27	Structural basis for the context-specific action of the classic peptidyl transferase inhibitor chloramphenicol. Nature Structural and Molecular Biology, 2022, 29, 152-161.	8.2	38
28	A fully orthogonal system for protein synthesis in bacterial cells. Nature Communications, 2020, 11, 1858.	12.8	37
29	Binding of Macrolide Antibiotics Leads to Ribosomal Selection against Specific Substrates Based on Their Charge and Size. Cell Reports, 2016, 16, 1789-1799.	6.4	33
30	Structural basis for context-specific inhibition of translation by oxazolidinone antibiotics. Nature Structural and Molecular Biology, 2022, 29, 162-171.	8.2	31
31	Genes within Genes in Bacterial Genomes. Microbiology Spectrum, 2018, 6, .	3.0	30
32	Co-produced natural ketolides methymycin and pikromycin inhibit bacterial growth by preventing synthesis of a limited number of proteins. Nucleic Acids Research, 2017, 45, 9573-9582.	14.5	29
33	Resistance to ketolide antibiotics by coordinated expression of rRNA methyltransferases in a bacterial producer of natural ketolides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12956-12961.	7.1	26
34	Identifying Small Open Reading Frames in Prokaryotes with Ribosome Profiling. Journal of Bacteriology, 2022, 204, JB0029421.	2.2	26
35	Genome-wide effects of the antimicrobial peptide apidaecin on translation termination in bacteria. ELife, 2020, 9, .	6.0	22
36	Structural basis for the tryptophan sensitivity of TnaC-mediated ribosome stalling. Nature Communications, 2021, 12, 5340.	12.8	20

#	Article	IF	Citations
37	Ribosome engineering reveals the importance of 5S rRNA autonomy for ribosome assembly. Nature Communications, 2020, 11, 2900.	12.8	18
38	Context-specific action of macrolide antibiotics on the eukaryotic ribosome. Nature Communications, 2021, 12, 2803.	12.8	18
39	Picky nascent peptides do not talk to foreign ribosomes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5931-5932.	7.1	11
40	A long-distance rRNA base pair impacts the ability of macrolide antibiotics to kill bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1971-1975.	7.1	11
41	Mechanism of translation inhibition by type II GNAT toxin AtaT2. Nucleic Acids Research, 2020, 48, 8617-8625.	14.5	11
42	Nascent peptide-mediated ribosome stalling promoted by antibiotics. , 2011, , 377-392.		11
43	Charting the sequence-activity landscape of peptide inhibitors of translation termination. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
44	Identification of Translation Start Sites in Bacterial Genomes. Methods in Molecular Biology, 2021, 2252, 27-55.	0.9	7
45	Protein Accounting in the Cellular Economy. Cell, 2014, 157, 529-531.	28.9	6
46	The context of the ribosome binding site in mRNAs defines specificity of action of kasugamycin, an inhibitor of translation initiation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
47	Genes within Genes in Bacterial Genomes. , 2018, , 133-154.		4
48	Triggering Peptide-Dependent Translation Arrest by Small Molecules: Ribosome Stalling Modulated by Antibiotics. , 2014, , 165-186.		4
49	Nascent peptideâ€dependent regulation of protein synthesis. FASEB Journal, 2009, 23, .	0.5	0
50	Nascent peptideâ€dependent ribosome stalling in drugâ€inducible antibiotic resistance. FASEB Journal, 2009, 23, 496.5.	0.5	0
51	The Shortest Nascent Peptide That Can Direct Ribosome Stalling. FASEB Journal, 2012, 26, 550.3.	0.5	0