

Matthieu G Gagnon

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

885
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosome-Targeting Antibiotics: Modes of Action, Mechanisms of Resistance, and Implications for Drug Design. <i>Annual Review of Biochemistry</i> , 2018, 87, 451-478.	11.1	199
2	The mechanism of inhibition of protein synthesis by the proline-rich peptide oncocin. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 466-469.	8.2	144
3	Structures of proline-rich peptides bound to the ribosome reveal a common mechanism of protein synthesis inhibition. <i>Nucleic Acids Research</i> , 2016, 44, 2439-2450.	14.5	132
4	Conformational Changes of Elongation Factor G on the Ribosome during tRNA Translocation. <i>Cell</i> , 2015, 160, 219-227.	28.9	117
5	Structural Basis for the Rescue of Stalled Ribosomes: Structure of YaeJ Bound to the Ribosome. <i>Science</i> , 2012, 335, 1370-1372.	12.6	101
6	Crystal structure of elongation factor 4 bound to a clockwise ratcheted ribosome. <i>Science</i> , 2014, 345, 684-687.	12.6	36
7	GU receptors of double helices mediate tRNA movement in the ribosome. <i>Rna</i> , 2002, 8, 873-877.	3.5	31
8	Structural basis for ribosome recycling by RRF and tRNA. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 25-32.	8.2	29
9	Study of the Functional Interaction of the 900 Tetraloop of 16S Ribosomal RNA with Helix 24 within the Bacterial Ribosome. <i>Journal of Molecular Biology</i> , 2004, 338, 683-693.	4.2	23
10	Elongation factor 4 remodels the A-site tRNA on the ribosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4994-4999.	7.1	19
11	The adenosine wedge: A new structural motif in ribosomal RNA. <i>Rna</i> , 2010, 16, 375-381.	3.5	14
12	Close Packing of Helices 3 and 12 of 16 S rRNA Is Required for the Normal Ribosome Function. <i>Journal of Biological Chemistry</i> , 2006, 281, 39349-39357.	3.4	12
13	Compact IF2 allows initiator tRNA accommodation into the P site and gates the ribosome to elongation. <i>Nature Communications</i> , 2022, 13, .	12.8	11
14	Mapping of the RNA recognition site of Escherichia coli ribosomal protein S7. <i>Rna</i> , 2000, 6, 1649-1659.	3.5	10
15	Antimicrobial peptides targeting bacterial ribosome. <i>Oncotarget</i> , 2015, 6, 18744-18745.	1.8	3
16	Mechanisms of ribosome recycling in bacteria and mitochondria: a structural perspective. <i>RNA Biology</i> , 2022, 19, 662-677.	3.1	3
17	Recurrent RNA motifs as probes for studying RNA-protein interactions in the ribosome. <i>Nucleic Acids Research</i> , 2010, 38, 3441-3453.	14.5	1