Matthieu G Gagnon

List of Publications by Year
in descending order

17	885	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	1159
all docs	docs citations	times ranked	citing authors

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