

Matthieu G Gagnon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

645
citations

12
h-index

18
g-index

18
ext. papers

789
ext. citations

16.7
avg, IF

4.11
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 15 | Mechanisms of ribosome recycling in bacteria and mitochondria: a structural perspective.. <i>RNA Biology</i> , 2022 , 19, 662-677 | 4.8 | |
| 14 | Structural basis for ribosome recycling by RRF and tRNA. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 25-32 | 17.6 | 17 |
| 13 | Ribosome-Targeting Antibiotics: Modes of Action, Mechanisms of Resistance, and Implications for Drug Design. <i>Annual Review of Biochemistry</i> , 2018 , 87, 451-478 | 29.1 | 98 |
| 12 | Structures of proline-rich peptides bound to the ribosome reveal a common mechanism of protein synthesis inhibition. <i>Nucleic Acids Research</i> , 2016 , 44, 2439-50 | 20.1 | 99 |
| 11 | 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, 4994-9 | 11.5 | 17 |
| 10 | The mechanism of inhibition of protein synthesis by the proline-rich peptide oncocin. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 466-9 | 17.6 | 114 |
| 9 | Conformational changes of elongation factor G on the ribosome during tRNA translocation. <i>Cell</i> , 2015 , 160, 219-27 | 56.2 | 89 |
| 8 | Crystal structure of elongation factor 4 bound to a clockwise ratcheted ribosome. <i>Science</i> , 2014 , 345, 684-7 | 33.3 | 32 |
| 7 | Structural basis for the rescue of stalled ribosomes: structure of YaeJ bound to the ribosome. <i>Science</i> , 2012 , 335, 1370-2 | 33.3 | 87 |
| 6 | Recurrent RNA motifs as probes for studying RNA-protein interactions in the ribosome. <i>Nucleic Acids Research</i> , 2010 , 38, 3441-53 | 20.1 | 1 |
| 5 | The adenosine wedge: a new structural motif in ribosomal RNA. <i>Rna</i> , 2010 , 16, 375-81 | 5.8 | 14 |
| 4 | 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, 39349-57 | 5.4 | 12 |
| 3 | 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, 683-93 | 6.5 | 23 |
| 2 | GU receptors of double helices mediate tRNA movement in the ribosome. <i>Rna</i> , 2002 , 8, 873-7 | 5.8 | 30 |
| 1 | Mapping of the RNA recognition site of Escherichia coli ribosomal protein S7. <i>Rna</i> , 2000 , 6, 1649-59 | 5.8 | 8 |