

Stefan Arenz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11114085/publications.pdf>

Version: 2024-02-01

20
papers

1,826
citations

394421

19
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

2274
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetracycline antibiotics and resistance mechanisms. <i>Biological Chemistry</i> , 2014, 395, 559-575.	2.5	324
2	The proline-rich antimicrobial peptide Onc112 inhibits translation by blocking and destabilizing the initiation complex. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 470-475.	8.2	148
3	Translation regulation via nascent polypeptide-mediated ribosome stalling. <i>Current Opinion in Structural Biology</i> , 2016, 37, 123-133.	5.7	137
4	The stringent factor RelA adopts an open conformation on the ribosome to stimulate ppGpp synthesis. <i>Nucleic Acids Research</i> , 2016, 44, 6471-6481.	14.5	129
5	Structural Basis for Polyproline-Mediated Ribosome Stalling and Rescue by the Translation Elongation Factor EF-P. <i>Molecular Cell</i> , 2017, 68, 515-527.e6.	9.7	118
6	Molecular basis for erythromycin-dependent ribosome stalling during translation of the ErmBL leader peptide. <i>Nature Communications</i> , 2014, 5, 3501.	12.8	115
7	Drug Sensing by the Ribosome Induces Translational Arrest via Active Site Perturbation. <i>Molecular Cell</i> , 2014, 56, 446-452.	9.7	104
8	A combined cryo-EM and molecular dynamics approach reveals the mechanism of ErmBL-mediated translation arrest. <i>Nature Communications</i> , 2016, 7, 12026.	12.8	103
9	Bacterial Protein Synthesis as a Target for Antibiotic Inhibition. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a025361.	6.2	94
10	Structure of the mammalian antimicrobial peptide Bac7(1-16) bound within the exit tunnel of a bacterial ribosome. <i>Nucleic Acids Research</i> , 2016, 44, 2429-2438.	14.5	89
11	Structure of the <i>Bacillus subtilis</i> hibernating 100S ribosome reveals the basis for 70S dimerization. <i>EMBO Journal</i> , 2017, 36, 2061-2072.	7.8	74
12	Blast from the Past: Reassessing Forgotten Translation Inhibitors, Antibiotic Selectivity, and Resistance Mechanisms to Aid Drug Development. <i>Molecular Cell</i> , 2016, 61, 3-14.	9.7	60
13	Cryo-EM structure of the tetracycline resistance protein TetM in complex with a translating ribosome at 3.9-Å... resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5401-5406.	7.1	58
14	Structural basis for the interaction of protein S1 with the <i>Escherichia coli</i> ribosome. <i>Nucleic Acids Research</i> , 2015, 43, 661-673.	14.5	56
15	Structural Basis for Ribosome Rescue in Bacteria. <i>Trends in Biochemical Sciences</i> , 2017, 42, 669-680.	7.5	53
16	Structures of the orthosomycin antibiotics avilamycin and evernimicin in complex with the bacterial 70S ribosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7527-7532.	7.1	45
17	Structural and mechanistic basis for translation inhibition by macrolide and ketolide antibiotics. <i>Nature Communications</i> , 2021, 12, 4466.	12.8	43
18	Structural basis for ArfA-mediated translation termination on mRNAs lacking stop codons. <i>Nature</i> , 2017, 541, 546-549.	27.8	39

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19	Cryo-EM structure of the spinach chloroplast ribosome reveals the location of plastid-specific ribosomal proteins and extensions. <i>Nucleic Acids Research</i> , 2016, 45, gkw1272.	14.5	33
20	Dual effect of chloramphenicol peptides on ribosome inhibition. <i>Amino Acids</i> , 2017, 49, 995-1004.	2.7	4