Stefan Arenz

List of Publications by Year
in descending order

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	Structural and mechanistic basis for translation inhibition by macrolide and ketolide antibiotics. Nature Communications, 2021, 12, 4466.	12.8	43
2	Dual effect of chloramphenicol peptides on ribosome inhibition. Amino Acids, 2017, 49, 995-1004.	2.7	4
3	Structure of the Bacillus subtilis hibernating 100S ribosome reveals the basis for 70S dimerization. EMBO Journal, 2017, 36, 2061-2072.	7.8	74
4	Structural basis for ArfAâ€“RF2-mediated translation termination on mRNAs lacking stop codons. Nature, 2017, 541, 546-549.	27.8	39
5	Structural Basis for Ribosome Rescue in Bacteria. Trends in Biochemical Sciences, 2017, 42, 669-680.	7.5	53
6	Structural Basis for Polyproline-Mediated Ribosome Stalling and Rescue by the Translation Elongation Factor EF-P. Molecular Cell, 2017, 68, 515-527.e6.	9.7	118
7	Cryo-EM structure of the spinach chloroplast ribosome reveals the location of plastid-specific ribosomal proteins and extensions. Nucleic Acids Research, 2016, 45, gkw1272.	14.5	33
8	A combined cryo-EM and molecular dynamics approach reveals the mechanism of ErmBL-mediated translation arrest. Nature Communications, 2016, 7, 12026.	12.8	103
9	The stringent factor RelA adopts an open conformation on the ribosome to stimulate ppGpp synthesis. Nucleic Acids Research, 2016, 44, 6471-6481.	14.5	129
10	Bacterial Protein Synthesis as a Target for Antibiotic Inhibition. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025361.	6.2	94
11	Structures of the orthosomycin antibiotics avilamycin and evernimicin in complex with the bacterial 70S ribosome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7527-7532.	7.1	45
12	Translation regulation via nascent polypeptide-mediated ribosome stalling. Current Opinion in Structural Biology, 2016, 37, 123-133.	5.7	137
13	Structure of the mammalian antimicrobial peptide Bac7(1â€“16) bound within the exit tunnel of a bacterial ribosome. Nucleic Acids Research, 2016, 44, 2429-2438.	14.5	89
14	Blast from the Past: Reassessing Forgotten Translation Inhibitors, Antibiotic Selectivity, and Resistance Mechanisms to Aid Drug Development. Molecular Cell, 2016, 61, 3-14.	9.7	60
15	Structural basis for the interaction of protein S1 with the Escherichia coli ribosome. Nucleic Acids Research, 2015, 43, 661-673.	14.5	56
16	Cryo-EM structure of the tetracycline resistance protein TetM in complex with a translating ribosome at 3.9-Ã... resolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5401-5406.	7.1	58
17	The proline-rich antimicrobial peptide Onc112 inhibits translation by blocking and destabilizing the initiation complex. Nature Structural and Molecular Biology, 2015, 22, 470-475.	8.2	148
18	Drug Sensing by the Ribosome Induces Translational Arrest via Active Site Perturbation. Molecular Cell, 2014, 56, 446-452.	9.7	104

#	Article	IF	Citations
19	Molecular basis for erythromycin-dependent ribosome stalling during translation of the ErmBL leader peptide. Nature Communications, 2014, 5, 3501.	12.8	115
20	Tetracycline antibiotics and resistance mechanisms. Biological Chemistry, 2014, 395, 559-575.	2.5	324