Michael Graf

List of Publications by Year
in descending order

16	1,129	567281 15	940533 16
papers	citations	h-index	g-index

18	18	18	1543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Proline-rich antimicrobial peptides targeting protein synthesis. Natural Product Reports, 2017, 34, 702-711.	10.3	132
3	An antimicrobial peptide that inhibits translation by trapping release factors on the ribosome. Nature Structural and Molecular Biology, 2017, 24, 752-757.	8.2	123
4	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
5	A combined cryo-EM and molecular dynamics approach reveals the mechanism of ErmBL-mediated translation arrest. Nature Communications, 2016, 7, 12026.	12.8	103
6	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
7	Structural basis for antibiotic resistance mediated by the Bacillus subtilis ABCF ATPase VmlR. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8978-8983.	7.1	78
8	Intracellular Antimicrobial Peptides Targeting the Protein Synthesis Machinery. Advances in Experimental Medicine and Biology, 2019, 1117, 73-89.	1.6	63
9	Visualization of translation termination intermediates trapped by the ApidaecinÂ137 peptide during RF3-mediated recycling of RF1. Nature Communications, 2018, 9, 3053.	12.8	48
10	Highâ€Sensitivity Realâ€Time Analysis of Nanoparticle Toxicity in Green Fluorescent Proteinâ€Expressing Zebrafish. Small, 2013, 9, 863-869.	10.0	47
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	Structural and mechanistic basis for translation inhibition by macrolide and ketolide antibiotics. Nature Communications, 2021, 12, 4466.	12.8	43
13	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
14	A role for the Saccharomyces cerevisiae ABCF protein New1 in translation termination/recycling. Nucleic Acids Research, 2019, 47, 8807-8820.	14.5	26
15	Deciphering the Translation Initiation Factor 5A Modification Pathway in Halophilic Archaea. Archaea, 2016, 2016, 1-14.	2.3	24
16	Bifunctional Nitrone-Conjugated Secondary Metabolite Targeting the Ribosome. Journal of the American Chemical Society, 2020, 142, 18369-18377.	13.7	7