Ekaterina S Komarova

List of Publications by Year
in descending order

18	492	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sorting Out Antibiotics' Mechanisms of Action: a Double Fluorescent Protein Reporter for High-Throughput Screening of Ribosome and DNA Biosynthesis Inhibitors. Antimicrobial Agents and Chemotherapy, 2016, 60, 7481-7489.	3.2	81
2	Klebsazolicin inhibits 70S ribosome by obstructing the peptide exit tunnel. Nature Chemical Biology, 2017, 13, 1129-1136.	8.0	50
3	Binding and Action of Amino Acid Analogs of Chloramphenicol upon the Bacterial Ribosome. Journal of Molecular Biology, 2018, 430, 842-852.	4.2	47
4	Tetracenomycin X inhibits translation by binding within the ribosomal exit tunnel. Nature Chemical Biology, 2020, 16, 1071-1077.	8.0	43
5	Application of sorting and next generation sequencing to study 5Î„-UTR influence on translation efficiency in Escherichia coli. Nucleic Acids Research, 2017, 45, 3487-3502.	14.5	40
6	Madumycin II inhibits peptide bond formation by forcing the peptidyl transferase center into an inactive state. Nucleic Acids Research, 2017, 45, 7507-7514.	14.5	35
7	Escherichia coli ItaT is a type II toxin that inhibits translation by acetylating isoleucyl-tRNAIle. Nucleic Acids Research, 2018, 46, 7873-7885.	14.5	31
8	Translation at first sight: the influence of leading codons. Nucleic Acids Research, 2020, 48, 6931-6942.	14.5	26
9	Biosynthesis of Translation Inhibitor Klebsazolicin Proceeds through Heterocyclization and N-Terminal Amidine Formation Catalyzed by a Single YcaO Enzyme. Journal of the American Chemical Society, 2018, 140, 5625-5633.	13.7	25
10	Nybomycin-producing Streptomyces isolated from carpenter ant Camponotus vagus. Biochimie, 2019, 160, 93-99.	2.6	25
11	Influence of the spacer region between the Shineâ€“Dalgarno box and the start codon for fineâ€tuning of the translation efficiency in Escherichia coli. Microbial Biotechnology, 2020, 13, 1254-1261.	4.2	21
12	2-Guanidino-quinazolines as a novel class of translation inhibitors. Biochimie, 2017, 133, 45-55.	2.6	20
13	Insights into the improved macrolide inhibitory activity from the high-resolution cryo-EM structure of dirithromycin bound to the E. coli 70S ribosome. Rna, 2020, 26, 715-723.	3.5	15
14	Structure of Dirithromycin Bound to the Bacterial Ribosome Suggests New Ways for Rational Improvement of Macrolides. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	11
15	Cytotoxicity Test Based on Human Cells Labeled with Fluorescent Proteins: Fluorimetry, Photography, and Scanning for High-Throughput Assay. Molecular Imaging and Biology, 2018, 20, 368-377.	2.6	10
16	Synthesis and Ð¡ytotoxicity of A-Azepanobetulinic Acid N-Methyl-Piperazinylamide. Natural Product Communications, 2019, 14, 1934578X1986067.	0.5	6
17	Tetrahydrocarbazoles as Novel Class of DNA Biosynthesis Inhibitors in Bacteria. Anti-Infective Agents, 2020, 18, 121-127.	0.4	4
18	Nybomycin Inhibits both Fluoroquinolone-Sensitive and Fluoroquinolone-Resistant Escherichia coli DNA Gyrase. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	2