

# Ekaterina S Komarova

## List of Publications by Year in descending order

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18  
papers

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citations

759233

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