

Attilio Fabbretti

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,404
citations

361413

20
h-index

361022

35
g-index

68
all docs

68
docs citations

68
times ranked

1470
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the 30S translation initiation complex. <i>Nature</i> , 2008, 455, 416-420.	27.8	194
2	<i>Escherichia coli</i> Ribosomal Protein S1 Unfolds Structured mRNAs Onto the Ribosome for Active Translation Initiation. <i>PLoS Biology</i> , 2013, 11, e1001731.	5.6	151
3	Transient Kinetics, Fluorescence, and FRET in Studies of Initiation of Translation in Bacteria. <i>Methods in Enzymology</i> , 2007, 430, 1-30.	1.0	110
4	Specific, efficient, and selective inhibition of prokaryotic translation initiation by a novel peptide antibiotic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 39-44.	7.1	72
5	The Real-Time Path of Translation Factor IF3 onto and off the Ribosome. <i>Molecular Cell</i> , 2007, 25, 285-296.	9.7	61
6	How to cope with the quest for new antibiotics. <i>FEBS Letters</i> , 2011, 585, 1673-1681.	2.8	50
7	Involvement of protein IF2 N domain in ribosomal subunit joining revealed from architecture and function of the full-length initiation factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15656-15661.	7.1	48
8	The Translation Initiation Functions of IF2: Targets for Thiostrepton Inhibition. <i>Journal of Molecular Biology</i> , 2004, 335, 881-894.	4.2	47
9	Novel Tetrapeptide Inhibitors of Bacterial Protein Synthesis Produced by a <i>Streptomyces</i> sp.. <i>Biochemistry</i> , 2006, 45, 3692-3702.	2.5	45
10	Methods for Identifying Compounds that Specifically Target Translation. <i>Methods in Enzymology</i> , 2007, 431, 229-267.	1.0	39
11	Engineering color variants of green fluorescent protein (GFP) for thermostability, pH-sensitivity, and improved folding kinetics. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1205-1216.	3.6	37
12	The Antibiotics Dityromycin and GE82832 Bind Protein S12 and Block EF-G-Catalyzed Translocation. <i>Cell Reports</i> , 2014, 6, 357-365.	6.4	36
13	Translation initiation complex formation in the crenarchaeon <i>Sulfolobus solfataricus</i> . <i>Rna</i> , 2009, 15, 2288-2298.	3.5	30
14	Characterization of GE82832, a peptide inhibitor of translocation interacting with bacterial 30S ribosomal subunits. <i>Rna</i> , 2006, 12, 1262-1270.	3.5	28
15	Inhibition of translation initiation complex formation by GE81112 unravels a 16S rRNA structural switch involved in P-site decoding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2286-95.	7.1	28
16	The antibiotic Furvina® targets the P-site of 30S ribosomal subunits and inhibits translation initiation displaying start codon bias. <i>Nucleic Acids Research</i> , 2012, 40, 10366-10374.	14.5	26
17	Structure of the protein core of translation initiation factor 2 in apo, GTP-bound and GDP-bound forms. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 925-933.	2.5	26
18	Role of the ribosome-associated protein <i>YpY</i> in the cold shock response of <i>Escherichia coli</i> . <i>MicrobiologyOpen</i> , 2013, 2, 293-307.	3.0	26

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19	Role of temperature-independent lipoplexâ€“cell membrane interactions in the efficiency boost of multicomponent lipoplexes. <i>Cancer Gene Therapy</i> , 2011, 18, 543-552.	4.6	24
20	Structural and functional characterization of the bacterial translocation inhibitor GE82832. <i>FEBS Letters</i> , 2012, 586, 3373-3378.	2.8	23
21	Structure of a 30S pre-initiation complex stalled by GE81112 reveals structural parallels in bacterial and eukaryotic protein synthesis initiation pathways. <i>Nucleic Acids Research</i> , 2017, 45, gkw1251.	14.5	23
22	A Derivative of the Thiopeptide GE2270A Highly Selective against <i>Propionibacterium acnes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4560-4568.	3.2	20
23	Conformational Response of 30S-bound IF3 to A-Site Binders Streptomycin and Kanamycin. <i>Antibiotics</i> , 2016, 5, 38.	3.7	17
24	Real-Time Dynamics of Ribosome-Ligand Interaction by Time-Resolved Chemical Probing Methods. <i>Methods in Enzymology</i> , 2007, 430, 45-58.	1.0	16
25	Ribosomal Interaction of <i>Bacillus stearothermophilus</i> Translation Initiation Factor IF2: Characterization of the Active Sites. <i>Journal of Molecular Biology</i> , 2010, 396, 118-129.	4.2	16
26	Orthoformimycin, a Selective Inhibitor of Bacterial Translation Elongation from <i>Streptomyces</i> Containing an Unusual Orthoformate. <i>ACS Chemical Biology</i> , 2013, 8, 1939-1946.	3.4	16
27	Initiation of protein synthesis: a target for antimicrobials. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 519-534.	3.4	15
28	Time-resolved assembly of a nucleoprotein complex between <i>Shigella flexneri</i> virF promoter and its transcriptional repressor H-NS. <i>Nucleic Acids Research</i> , 2014, 42, 13039-13050.	14.5	15
29	Crystallographic characterization of the ribosomal binding site and molecular mechanism of action of Hygromycin A. <i>Nucleic Acids Research</i> , 2015, 43, gkv975.	14.5	15
30	Role of the Initiation Factors in mRNA Start Site Selection and fMetâ€“RNA Recruitment by Bacterial Ribosomes. <i>Israel Journal of Chemistry</i> , 2010, 50, 80-94.	2.3	14
31	Translation initiation without IF2-dependent GTP hydrolysis. <i>Nucleic Acids Research</i> , 2012, 40, 7946-7955.	14.5	14
32	Development of a graphene oxide-based assay for the sequence-specific detection of double-stranded DNA molecules. <i>PLoS ONE</i> , 2017, 12, e0183952.	2.5	14
33	Cold-Responsive Regions of Paradigm Cold-Shock and Non-Cold-Shock mRNAs Responsible for Cold Shock Translational Bias. <i>International Journal of Molecular Sciences</i> , 2019, 20, 457.	4.1	14
34	Translation initiation factor IF1 of <i>Bacillus stearothermophilus</i> and <i>Thermus thermophilus</i> substitute for <i>Escherichia coli</i> IF1 <i>in vivo</i> and <i>in vitro</i> without a direct IF1â€“IF2 interaction. <i>Molecular Microbiology</i> , 2008, 70, 1368-1377.	2.5	13
35	Antibiotics Targeting the 30S Ribosomal Subunit: A Lesson from Nature to Find and Develop New Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2019, 18, 2080-2096.	2.1	12
36	Characterization of the Self-Resistance Mechanism to Dityromycin in the <i>Streptomyces</i> Producer Strain. <i>MSphere</i> , 2019, 4, .	2.9	6

#	ARTICLE	IF	CITATIONS
37	The hns Gene of Escherichia coli Is Transcriptionally Down-Regulated by (p)ppGpp. Microorganisms, 2020, 8, 1558.	3.6	6
38	Characterization of Bacillus stearothermophilus infA and of its product IF1. Gene, 2009, 428, 31-35.	2.2	4
39	The dynamic cycle of bacterial translation initiation factor IF3. Nucleic Acids Research, 2021, 49, 6958-6970.	14.5	3
40	Draft Genome Sequence of Streptomyces sp. Strain AM-2504, Identified by 16S rRNA Comparative Analysis as a Streptomyces kasugaensis Strain. Microbiology Resource Announcements, 2019, 8, .	0.6	2