

Paola Fucini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8006648/publications.pdf>

Version: 2024-02-01

52
papers

4,284
citations

126901

33
h-index

175241

52
g-index

57
all docs

57
docs citations

57
times ranked

3938
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone mRNA is subject to 3' uridylation and re-adenylation in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2021, 115, 238-254.	2.5	3
2	A conserved rRNA switch is central to decoding site maturation on the small ribosomal subunit. <i>Science Advances</i> , 2021, 7, .	10.3	23
3	Backbone and sidechain NMR assignments for the ribosome maturation factor RbfA from <i>Escherichia coli</i> . <i>Biomolecular NMR Assignments</i> , 2020, 14, 317-321.	0.8	1
4	Structural insights into <i>Pseudomonas aeruginosa</i> Type six secretion system exported effector 8. <i>Journal of Structural Biology</i> , 2020, 212, 107651.	2.8	3
5	Backbone and sidechain NMR assignments for the ribosome maturation factor RimP from <i>Escherichia coli</i> . <i>Biomolecular NMR Assignments</i> , 2020, 14, 189-193.	0.8	4
6	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
7	RsgA couples the maturation state of the 30S ribosomal decoding center to activation of its GTPase pocket. <i>Nucleic Acids Research</i> , 2017, 45, 6945-6959.	14.5	29
8	The Novel Aminomethylcycline Omadacycline Has High Specificity for the Primary Tetracycline-Binding Site on the Bacterial Ribosome. <i>Antibiotics</i> , 2016, 5, 32.	3.7	33
9	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
10	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
11	Structural Characterization of an Alternative Mode of Tigecycline Binding to the Bacterial Ribosome. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2849-2854.	3.2	32
12	Solid-state NMR enhanced by dynamic nuclear polarization as a novel tool for ribosome structural biology. <i>Journal of Biomolecular NMR</i> , 2013, 56, 85-93.	2.8	59
13	Head swivel on the ribosome facilitates translocation by means of intra-subunit tRNA hybrid sites. <i>Nature</i> , 2010, 468, 713-716.	27.8	336
14	Mass Spectrometry Defines the Stoichiometry of Ribosomal Stalk Complexes across the Phylogenetic Tree. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1774-1783.	3.8	29
15	PSRP1 Is Not a Ribosomal Protein, but a Ribosome-binding Factor That Is Recycled by the Ribosome-recycling Factor (RRF) and Elongation Factor G (EF-G). <i>Journal of Biological Chemistry</i> , 2010, 285, 4006-4014.	3.4	66
16	Probing Side-Chain Dynamics of a Ribosome-Bound Nascent Chain Using Methyl NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 8366-8367.	13.7	37
17	Structure, Dynamics and Folding of an Immunoglobulin Domain of the Gelation Factor (ABP-120) from <i>Dictyostelium discoideum</i> . <i>Journal of Molecular Biology</i> , 2009, 388, 865-879.	4.2	32
18	A new tRNA intermediate revealed on the ribosome during EF4-mediated back-translocation. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 910-915.	8.2	65

#	ARTICLE	IF	CITATIONS
19	Translational Regulation via L11: Molecular Switches on the Ribosome Turned On and Off by Thiostrepton and Micrococcin. <i>Molecular Cell</i> , 2008, 30, 26-38.	9.7	269
20	The oxazolidinone antibiotics perturb the ribosomal peptidyl-transferase center and effect tRNA positioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13339-13344.	7.1	285
21	Cryo-EM study of the spinach chloroplast ribosome reveals the structural and functional roles of plastid-specific ribosomal proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19315-19320.	7.1	101
22	Detecting Specific Ligand Binding to Nucleic Acids: A Test for Ultrasoft Laser Mass Spectrometry. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007, 221, 689-704.	2.8	9
23	Structural Basis for Interaction of the Ribosome with the Switch Regions of GTP-Bound Elongation Factors. <i>Molecular Cell</i> , 2007, 25, 751-764.	9.7	168
24	Structural Aspects of RbfA Action during Small Ribosomal Subunit Assembly. <i>Molecular Cell</i> , 2007, 28, 434-445.	9.7	90
25	Structure and dynamics of a ribosome-bound nascent chain by NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16516-16521.	7.1	116
26	A Snapshot of the 30S Ribosomal Subunit Capturing mRNA via the Shine-Dalgarno Interaction. <i>Structure</i> , 2007, 15, 289-297.	3.3	94
27	2P594 The antibiotic kasugamycin mimics mRNA nucleotides to destabilize tRNA binding and inhibit canonical translation initiation(55. Drug design and delivery,Poster Session,Abstract,Meeting) Tj ETQq1 1 0.784314.orgBT /Overlock 10		
28	The antibiotic kasugamycin mimics mRNA nucleotides to destabilize tRNA binding and inhibit canonical translation initiation. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 871-878.	8.2	116
29	The binding mode of the trigger factor on the ribosome: Implications for protein folding and SRP interaction. <i>FASEB Journal</i> , 2006, 20, A965.	0.5	0
30	X-ray crystallography study on ribosome recycling: the mechanism of binding and action of RRF on the 50S ribosomal subunit. <i>EMBO Journal</i> , 2005, 24, 251-260.	7.8	104
31	The Binding Mode of the Trigger Factor on the Ribosome: Implications for Protein Folding and SRP Interaction. <i>Structure</i> , 2005, 13, 1685-1694.	3.3	88
32	High heterogeneity within the ribosomal proteins of the Arabidopsis thaliana 80S ribosome. <i>Plant Molecular Biology</i> , 2005, 57, 577-591.	3.9	114
33	Nanoflow liquid chromatography coupled to matrix-assisted laser desorption/ionization mass spectrometry: Sample preparation, data analysis, and application to the analysis of complex peptide mixtures. <i>Proteomics</i> , 2005, 5, 399-408.	2.2	78
34	Heptameric (L12)6/L10 rather than canonical pentameric complexes are found by tandem MS of intact ribosomes from thermophilic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8192-8197.	7.1	134
35	Species-specific antibiotic-ribosome interactions: implications for drug development. <i>Biological Chemistry</i> , 2005, 386, 1239-52.	2.5	77
36	Interaction of Era with the 30S Ribosomal Subunit. <i>Molecular Cell</i> , 2005, 18, 319-329.	9.7	128

#	ARTICLE	IF	CITATIONS
37	Heteronuclear NMR investigations of dynamic regions of intact Escherichia coli ribosomes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10949-10954.	7.1	87
38	Inhibition of peptide bond formation by pleuromutilins: the structure of the 50S ribosomal subunit from Deinococcus radiodurans in complex with tiamulin. Molecular Microbiology, 2004, 54, 1287-1294.	2.5	244
39	Alterations at the peptidyl transferase centre of the ribosome induced by the synergistic action of the streptogramins dalfopristin and quinupristin. BMC Biology, 2004, 2, 4.	3.8	145
40	Dissecting the Ribosomal Inhibition Mechanisms of Edeine and Pactamycin. Molecular Cell, 2004, 13, 113-124.	9.7	145
41	Three-Dimensional Structures of Translating Ribosomes by Cryo-EM. Molecular Cell, 2004, 14, 57-66.	9.7	104
42	Ribosomal crystallography: Peptide bond formation and its inhibition. Biopolymers, 2003, 70, 19-41.	2.4	41
43	On peptide bond formation, translocation, nascent protein progression and the regulatory properties of ribosomes. Delivered on 20 October 2002 at the 28th FEBS Meeting in Istanbul. FEBS Journal, 2003, 270, 2543-2556.	0.2	60
44	Structural Insight into the Antibiotic Action of Telithromycin against Resistant Mutants. Journal of Bacteriology, 2003, 185, 4276-4279.	2.2	163
45	Dissociation of Intact Escherichia coli Ribosomes in a Mass Spectrometer. Journal of Biological Chemistry, 2003, 278, 1259-1267.	3.4	49
46	Detection and selective dissociation of intact ribosomes in a mass spectrometer. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5185-5190.	7.1	209
47	Structural basis for dimerization of the Dictyostelium gelation factor (ABP120) rod. Nature Structural Biology, 1999, 6, 836-841.	9.7	57
48	Molecular architecture of the rod domain of the Dictyostelium gelation factor (ABP120). Journal of Molecular Biology, 1999, 291, 1017-1023.	4.2	29
49	Location of the binding site of the mannose-specific lectin comitin on F-actin 1 Edited by I. B. Holland. Journal of Molecular Biology, 1998, 284, 1255-1263.	4.2	11
50	Crystallization and Preliminary X-Ray Diffraction Characterization of a Dimerizing Fragment of the Rod Domain of the Dictyostelium Gelation Factor (ABP-120). Journal of Structural Biology, 1997, 120, 192-195.	2.8	5
51	The repeating segments of the F-actin cross-linking gelation factor (ABP-120) have an immunoglobulin-like fold. Nature Structural Biology, 1997, 4, 223-230.	9.7	75
52	Linking microfilaments to intracellular membranes: the actin-binding and vesicle-associated protein comitin exhibits a mannose-specific lectin activity.. EMBO Journal, 1996, 15, 1238-1246.	7.8	59