

Sean R Connell

List of Publications by Year in descending order

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32
papers

2,858
citations

279798

23
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

3027
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomal Protection Proteins and Their Mechanism of Tetracycline Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3675-3681.	3.2	355
2	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
3	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
4	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
5	Structure of the ribosome-bound cricket paralysis virus IRES RNA. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 1092-1096.	8.2	177
6	GTPase activation of elongation factor EF-Tu by the ribosome during decoding. <i>EMBO Journal</i> , 2009, 28, 755-765.	7.8	175
7	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
8	Incidence of Antibiotic Resistance in <i>Campylobacter jejuni</i> Isolated in Alberta, Canada, from 1999 to 2002, with Special Reference to tet (O)-Mediated Tetracycline Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3442-3450.	3.2	139
9	Three-Dimensional Structures of Translating Ribosomes by Cryo-EM. <i>Molecular Cell</i> , 2004, 14, 57-66.	9.7	104
10	Mechanism of Tet(O)-mediated tetracycline resistance. <i>EMBO Journal</i> , 2003, 22, 945-953.	7.8	99
11	Heteronuclear NMR investigations of dynamic regions of intact <i>Escherichia coli</i> ribosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10949-10954.	7.1	87
12	Localization of the Ribosomal Protection Protein Tet(O) on the Ribosome and the Mechanism of Tetracycline Resistance. <i>Molecular Cell</i> , 2001, 7, 1037-1045.	9.7	82
13	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
14	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
15	Protein Synthesis at Atomic Resolution: Mechanistics of Translation in the Light of Highly Resolved Structures for the Ribosome. <i>Current Protein and Peptide Science</i> , 2002, 3, 1-53.	1.4	56
16	16S rRNA Mutations That Confer Tetracycline Resistance in <i>Helicobacter pylori</i> Decrease Drug Binding in <i>Escherichia coli</i> Ribosomes. <i>Journal of Bacteriology</i> , 2005, 187, 3708-3712.	2.2	49
17	A dedicated translation factor controls the synthesis of the global regulator Fis. <i>EMBO Journal</i> , 2004, 23, 3375-3385.	7.8	46
18	The tetracycline resistance protein Tet($\hat{\alpha}$ - \leftarrow) perturbs the conformation of the ribosomal decoding centre. <i>Molecular Microbiology</i> , 2002, 45, 1463-1472.	2.5	40

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19	Structure and Conformational Variability of the Mycobacterium tuberculosis Fatty Acid Synthase Multienzyme Complex. <i>Structure</i> , 2013, 21, 1251-1257.	3.3	39
20	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
21	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
22	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
23	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
24	Erythromycin, Roxithromycin, and Clarithromycin: Use of Slow-Binding Kinetics to Compare Their in Vitro Interaction with a Bacterial Ribosomal Complex Active in Peptide Bond Formation. <i>Molecular Pharmacology</i> , 2003, 63, 617-623.	2.3	27
25	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
26	A conserved rRNA switch is central to decoding site maturation on the small ribosomal subunit. <i>Science Advances</i> , 2021, 7, .	10.3	23
27	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
28	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
29	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
30	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
31	A dedicated translation factor controls the synthesis of the global regulator Fis. <i>EMBO Journal</i> , 2007, 26, 4607-4607.	7.8	0
32	Fatty acid synthase: insights in the substrate shuttling mechanism by cryo-EM. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s31-s31.	0.3	0