

Colin EcheverrÃ-a Aitken

List of Publications by Year in descending order

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26
papers

2,452
citations

516710

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752698

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g-index

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33
docs citations

33
times ranked

3305
citing authors

#	ARTICLE	IF	CITATIONS
1	eIF3 and Its mRNA-Entry-Channel Arm Contribute to the Recruitment of mRNAs With Long 5' Untranslated Regions. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 787664.	3.5	5
2	Long-Lost Cousins? eIF3 Recognition of the HCV IRES and Cellular mRNAs. <i>Journal of Molecular Biology</i> , 2020, 432, 1856-1860.	4.2	1
3	Yeast applied readthrough inducing system (YARIS): an <i>in vivo</i> assay for the comprehensive study of translational readthrough. <i>Nucleic Acids Research</i> , 2019, 47, 6339-6350.	14.5	13
4	Investigating the Role of Rps2 in Preinitiation Complex Stability Using an <i>In Vitro</i> Assay for mRNA Recruitment. <i>FASEB Journal</i> , 2019, 33, 629.2.	0.5	0
5	Mechanistic and Transcriptome-wide interrogation of eukaryotic translation initiation factor 3 (eIF3). <i>FASEB Journal</i> , 2019, 33, 629.1.	0.5	0
6	Molecular Dissection of the Mechanism of Eukaryotic Initiation Factor 3 (eIF3). <i>FASEB Journal</i> , 2019, 33, 629.9.	0.5	0
7	Rps3/uS3 promotes mRNA binding at the 40S ribosome entry channel and stabilizes preinitiation complexes at start codons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2126-E2135.	7.1	47
8	Yeast eIF4A enhances recruitment of mRNAs regardless of their structural complexity. <i>ELife</i> , 2017, 6, .	6.0	63
9	Eukaryotic translation initiation factor 3 plays distinct roles at the mRNA entry and exit channels of the ribosomal preinitiation complex. <i>ELife</i> , 2016, 5, .	6.0	54
10	Conformational Differences between Open and Closed States of the Eukaryotic Translation Initiation Complex. <i>Molecular Cell</i> , 2015, 59, 399-412.	9.7	195
11	The Impact of Aminoglycosides on the Dynamics of Translation Elongation. <i>Cell Reports</i> , 2013, 3, 497-508.	6.4	72
12	A mechanistic overview of translation initiation in eukaryotes. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 568-576.	8.2	355
13	Following the intersubunit conformation of the ribosome during translation in real time. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 793-800.	8.2	97
14	Real-time tRNA transit on single translating ribosomes at codon resolution. <i>Nature</i> , 2010, 464, 1012-1017.	27.8	329
15	Non-Bulk-Like Solvent Behavior in the Ribosome Exit Tunnel. <i>PLoS Computational Biology</i> , 2010, 6, e1000963.	3.2	36
16	Single Ribosome Dynamics and the Mechanism of Translation. <i>Annual Review of Biophysics</i> , 2010, 39, 491-513.	10.0	84
17	Single Molecule Studies of Prokaryotic Translation. , 2009, , 195-222.		0
18	GTP Hydrolysis by IF2 Guides Progression of the Ribosome into Elongation. <i>Molecular Cell</i> , 2009, 35, 37-47.	9.7	87

#	ARTICLE	IF	CITATIONS
19	Improved Dye Stability in Single-Molecule Fluorescence Experiments. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 83-99.	0.3	0
20	Translation at the Single-Molecule Level. Annual Review of Biochemistry, 2008, 77, 177-203.	11.1	117
21	Spectroscopic and Molecular Dynamics Evidence for a Sequential Mechanism for the A-to-B Transition in DNA. Biophysical Journal, 2008, 95, 257-272.	0.5	37
22	An Oxygen Scavenging System for Improvement of Dye Stability in Single-Molecule Fluorescence Experiments. Biophysical Journal, 2008, 94, 1826-1835.	0.5	716
23	Viral dsRNA Inhibitors Prevent Self-association and Autophosphorylation of PKR. Journal of Molecular Biology, 2007, 372, 103-113.	4.2	46
24	PKR: A NMR perspective. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 51, 199-215.	7.5	4
25	Purification and characterization of transcribed RNAs using gel filtration chromatography. Nature Protocols, 2007, 2, 3270-3277.	12.0	88
26	Molecular Insights into PKR Activation by Viral Double-Stranded RNA. , 2007, , 99-110.		0