

Colin EcheverrÃ-a Aitken

List of Publications by Year in descending order

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26
papers

2,452
citations

516710

16
h-index

752698

20
g-index

33
all docs

33
docs citations

33
times ranked

3305
citing authors

#	ARTICLE	IF	CITATIONS
1	An Oxygen Scavenging System for Improvement of Dye Stability in Single-Molecule Fluorescence Experiments. <i>Biophysical Journal</i> , 2008, 94, 1826-1835.	0.5	716
2	A mechanistic overview of translation initiation in eukaryotes. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 568-576.	8.2	355
3	Real-time tRNA transit on single translating ribosomes at codon resolution. <i>Nature</i> , 2010, 464, 1012-1017.	27.8	329
4	Conformational Differences between Open and Closed States of the Eukaryotic Translation Initiation Complex. <i>Molecular Cell</i> , 2015, 59, 399-412.	9.7	195
5	Translation at the Single-Molecule Level. <i>Annual Review of Biochemistry</i> , 2008, 77, 177-203.	11.1	117
6	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
7	Purification and characterization of transcribed RNAs using gel filtration chromatography. <i>Nature Protocols</i> , 2007, 2, 3270-3277.	12.0	88
8	GTP Hydrolysis by IF2 Guides Progression of the Ribosome into Elongation. <i>Molecular Cell</i> , 2009, 35, 37-47.	9.7	87
9	Single Ribosome Dynamics and the Mechanism of Translation. <i>Annual Review of Biophysics</i> , 2010, 39, 491-513.	10.0	84
10	The Impact of Aminoglycosides on the Dynamics of Translation Elongation. <i>Cell Reports</i> , 2013, 3, 497-508.	6.4	72
11	Yeast eIF4A enhances recruitment of mRNAs regardless of their structural complexity. <i>ELife</i> , 2017, 6, .	6.0	63
12	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
13	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
14	Viral dsRNA Inhibitors Prevent Self-association and Autophosphorylation of PKR. <i>Journal of Molecular Biology</i> , 2007, 372, 103-113.	4.2	46
15	Spectroscopic and Molecular Dynamics Evidence for a Sequential Mechanism for the A-to-B Transition in DNA. <i>Biophysical Journal</i> , 2008, 95, 257-272.	0.5	37
16	Non-Bulk-Like Solvent Behavior in the Ribosome Exit Tunnel. <i>PLoS Computational Biology</i> , 2010, 6, e1000963.	3.2	36
17	Yeast applied readthrough inducing system (YARIS): an invivo assay for the comprehensive study of translational readthrough. <i>Nucleic Acids Research</i> , 2019, 47, 6339-6350.	14.5	13
18	eIF3 and Its mRNA-Entry-Channel Arm Contribute to the Recruitment of mRNAs With Long 5'â€²-Untranslated Regions. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 787664.	3.5	5

#	ARTICLE	IF	CITATIONS
19	PKR: A NMR perspective. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 51, 199-215.	7.5	4
20	Long-Lost Cousins? eIF3 Recognition of the HCV IRES and Cellular mRNAs. Journal of Molecular Biology, 2020, 432, 1856-1860.	4.2	1
21	Single Molecule Studies of Prokaryotic Translation. , 2009, , 195-222.		0
22	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
23	Investigating the Role of Rps2 in Pre-Initiation Complex Stability Using an In Vitro Assay for mRNA Recruitment. FASEB Journal, 2019, 33, 629.2.	0.5	0
24	Mechanistic and Transcriptome-wide interrogation of eukaryotic translation initiation factor 3 (eIF3). FASEB Journal, 2019, 33, 629.1.	0.5	0
25	Molecular Dissection of the Mechanism of Eukaryotic Initiation Factor 3 (eIF3). FASEB Journal, 2019, 33, 629.9.	0.5	0
26	Molecular Insights into PKR Activation by Viral Double-Stranded RNA. , 2007, , 99-110.		0