

Junhong Choi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,157
citations

567281

15
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-methyladenosine in mRNA disrupts tRNA selection and translation-elongation dynamics. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 110-115.	8.2	202
2	Precise genomic deletions using paired prime editing. <i>Nature Biotechnology</i> , 2022, 40, 218-226.	17.5	117
3	Mechanism of ribosome stalling during translation of a poly(A) tail. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1132-1140.	8.2	114
4	A short translational ramp determines the efficiency of protein synthesis. <i>Nature Communications</i> , 2019, 10, 5774.	12.8	109
5	2â€²-O-methylation in mRNA disrupts tRNA decoding during translation elongation. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 208-216.	8.2	92
6	How Messenger RNA and Nascent Chain Sequences Regulate Translation Elongation. <i>Annual Review of Biochemistry</i> , 2018, 87, 421-449.	11.1	62
7	eIF5B gates the transition from translation initiation to elongation. <i>Nature</i> , 2019, 573, 605-608.	27.8	60
8	A time-resolved, multi-symbol molecular recorder via sequential genome editing. <i>Nature</i> , 2022, 608, 98-107.	27.8	59
9	The energy landscape of ~ 1 ribosomal frameshifting. <i>Science Advances</i> , 2020, 6, eaax6969.	10.3	51
10	Dynamics of the context-specific translation arrest by chloramphenicol and linezolid. <i>Nature Chemical Biology</i> , 2020, 16, 310-317.	8.0	43
11	Post-termination Ribosome Intermediate Acts as the Gateway to Ribosome Recycling. <i>Cell Reports</i> , 2017, 20, 161-172.	6.4	39
12	Three tRNAs on the ribosome slow translation elongation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13691-13696.	7.1	38
13	RACK1 on and off the ribosome. <i>Rna</i> , 2019, 25, 881-895.	3.5	38
14	Dynamic basis of fidelity and speed in translation: Coordinated multistep mechanisms of elongation and termination. <i>Protein Science</i> , 2017, 26, 1352-1362.	7.6	30
15	Relating Structure and Dynamics in RNA Biology. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032474.	5.5	21
16	The molecular choreography of protein synthesis: translational control, regulation, and pathways. <i>Quarterly Reviews of Biophysics</i> , 2016, 49, e11.	5.7	14
17	Fluorescently-tagged human eIF3 for single-molecule spectroscopy. <i>Nucleic Acids Research</i> , 2018, 46, e8-e8.	14.5	12
18	Dynamic Interplay of RNA and Protein in the Human Immunodeficiency Virus-1 Reverse Transcription Initiation Complex. <i>Journal of Molecular Biology</i> , 2018, 430, 5137-5150.	4.2	11

#	ARTICLE	IF	CITATIONS
19	Expanding single-molecule fluorescence spectroscopy to capture complexity in biology. <i>Current Opinion in Structural Biology</i> , 2019, 58, 233-240.	5.7	6
20	Distinct Conformational States Underlie Pausing during Initiation of HIV-1 Reverse Transcription. <i>Journal of Molecular Biology</i> , 2020, 432, 4499-4522.	4.2	5