

James Chen

List of Publications by Year in descending order

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22
papers

1,703
citations

471371

17
h-index

677027

22
g-index

37
all docs

37
docs citations

37
times ranked

2070
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for Helicase-Polymerase Coupling in the SARS-CoV-2 Replication-Transcription Complex. <i>Cell</i> , 2020, 182, 1560-1573.e13.	13.5	360
2	Structural Basis for NusA Stabilized Transcriptional Pausing. <i>Molecular Cell</i> , 2018, 69, 816-827.e4.	4.5	140
3	Structural basis of transcription arrest by coliphage HK022 Nun in an Escherichia coli RNA polymerase elongation complex. <i>ELife</i> , 2017, 6, .	2.8	120
4	Time-resolved cryo-EM using Spotiton. <i>Nature Methods</i> , 2020, 17, 897-900.	9.0	96
5	Stepwise Promoter Melting by Bacterial RNA Polymerase. <i>Molecular Cell</i> , 2020, 78, 275-288.e6.	4.5	88
6	Fidaxomicin jams Mycobacterium tuberculosis RNA polymerase motions needed for initiation via RbpA contacts. <i>ELife</i> , 2018, 7, .	2.8	83
7	Structures of an RNA polymerase promoter melting intermediate elucidate DNA unwinding. <i>Nature</i> , 2019, 565, 382-385.	13.7	83
8	Structural basis for backtracking by the SARS-CoV-2 replication-transcription complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	76
9	Requirements for catalysis in the Cre recombinase active site. <i>Nucleic Acids Research</i> , 2010, 38, 5817-5832.	6.5	72
10	Diverse and unified mechanisms of transcription initiation in bacteria. <i>Nature Reviews Microbiology</i> , 2021, 19, 95-109.	13.6	70
11	6S RNA Mimics B-Form DNA to Regulate Escherichia coli RNA Polymerase. <i>Molecular Cell</i> , 2017, 68, 388-397.e6.	4.5	65
12	Mycobacterial RNA polymerase forms unstable open promoter complexes that are stabilized by CarD. <i>Nucleic Acids Research</i> , 2015, 43, 433-445.	6.5	64
13	Eliminating effects of particle adsorption to the air/water interface in single-particle cryo-electron microscopy: Bacterial RNA polymerase and CHAPSO. <i>Journal of Structural Biology: X</i> , 2019, 1, 100005.	0.7	60
14	CarD uses a minor groove wedge mechanism to stabilize the RNA polymerase open promoter complex. <i>ELife</i> , 2015, 4, .	2.8	59
15	E. coli TraR allosterically regulates transcription initiation by altering RNA polymerase conformation. <i>ELife</i> , 2019, 8, .	2.8	55
16	Structural basis for transcription complex disruption by the Mfd translocase. <i>ELife</i> , 2021, 10, .	2.8	36
17	Ensemble cryo-EM reveals conformational states of the nsp13 helicase in the SARS-CoV-2 helicase replication-transcription complex. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 250-260.	3.6	35
18	The antibiotic sorangicin A inhibits promoter DNA unwinding in a Mycobacterium tuberculosis rifampicin-resistant RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30423-30432.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Basis of narrow-spectrum activity of fidaxomicin on <i>Clostridioides difficile</i> . <i>Nature</i> , 2022, 604, 541-545.	13.7	24
20	Structural origins of <i>Escherichia coli</i> RNA polymerase open promoter complex stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	23
21	Native Mass Spectrometry-Based Screening for Optimal Sample Preparation in Single-Particle Cryo-EM. <i>Structure</i> , 2021, 29, 186-195.e6.	1.6	19
22	Effects of Increasing the Affinity of CarD for RNA Polymerase on <i>Mycobacterium tuberculosis</i> Growth, rRNA Transcription, and Virulence. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	15