

Jingdong Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,686
citations

279701

23
h-index

501076

28
g-index

42
all docs

42
docs citations

42
times ranked

3939
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for translational shutdown and immune evasion by the Nsp1 protein of SARS-CoV-2. <i>Science</i> , 2020, 369, 1249-1255.	6.0	635
2	Collided ribosomes form a unique structural interface to induce Hel2-driven quality control pathways. <i>EMBO Journal</i> , 2019, 38, .	3.5	232
3	Architecture of the 90S Pre-ribosome: A Structural View on the Birth of the Eukaryotic Ribosome. <i>Cell</i> , 2016, 166, 380-393.	13.5	184
4	The Ccr4-Not complex monitors the translating ribosome for codon optimality. <i>Science</i> , 2020, 368, .	6.0	180
5	Visualizing the Assembly Pathway of Nucleolar Pre-60S Ribosomes. <i>Cell</i> , 2017, 171, 1599-1610.e14.	13.5	162
6	The cryo-electron microscopy structure of huntingtin. <i>Nature</i> , 2018, 555, 117-120.	13.7	125
7	Visualizing late states of human 40S ribosomal subunit maturation. <i>Nature</i> , 2018, 558, 249-253.	13.7	118
8	Molecular mechanism of translational stalling by inhibitory codon combinations and poly(A) tracts. <i>EMBO Journal</i> , 2020, 39, e103365.	3.5	113
9	RQT complex dissociates ribosomes collided on endogenous RQC substrate SDD1. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 323-332.	3.6	97
10	3.2-Å-resolution structure of the 90S preribosome before A1 pre-rRNA cleavage. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 954-964.	3.6	95
11	The force-sensing peptide VemP employs extreme compaction and secondary structure formation to induce ribosomal stalling. <i>ELife</i> , 2017, 6, .	2.8	81
12	Structure and function of Vms1 and Arb1 in RQC and mitochondrial proteome homeostasis. <i>Nature</i> , 2019, 570, 538-542.	13.7	63
13	Structure of the 80S ribosome-Xrn1 nuclease complex. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 275-280.	3.6	62
14	90S pre-ribosome transformation into the primordial 40S subunit. <i>Science</i> , 2020, 369, 1470-1476.	6.0	59
15	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. <i>PLoS Biology</i> , 2020, 18, e3000780.	2.6	56
16	Structural and mutational analysis of the ribosome-arresting human XBP1u. <i>ELife</i> , 2019, 8, .	2.8	51
17	Thermophile 90S Pre-ribosome Structures Reveal the Reverse Order of Co-transcriptional 18S rRNA Subdomain Integration. <i>Molecular Cell</i> , 2019, 75, 1256-1269.e7.	4.5	48
18	Construction of the Central Protuberance and L1 Stalk during 60S Subunit Biogenesis. <i>Molecular Cell</i> , 2020, 79, 615-628.e5.	4.5	48

#	ARTICLE	IF	CITATIONS
19	Tetracenomycin X inhibits translation by binding within the ribosomal exit tunnel. <i>Nature Chemical Biology</i> , 2020, 16, 1071-1077.	3.9	43
20	Interdependent action of KH domain proteins Krr1 and Dim2 drive the 40S platform assembly. <i>Nature Communications</i> , 2017, 8, 2213.	5.8	38
21	Structure of the Maturing 90S Pre-ribosome in Association with the RNA Exosome. <i>Molecular Cell</i> , 2021, 81, 293-303.e4.	4.5	36
22	A structural inventory of native ribosomal ABCE1-43S pre-initiation complexes. <i>EMBO Journal</i> , 2021, 40, e105179.	3.5	35
23	Architecture of the active post-translational Sec translocon. <i>EMBO Journal</i> , 2021, 40, e105643.	3.5	33
24	A distinct assembly pathway of the human 39S late pre-mitoribosome. <i>Nature Communications</i> , 2021, 12, 4544.	5.8	27
25	Structural basis of tryptophan-dependent inhibition of release factor 2 by the TnaC arrest peptide. <i>Nucleic Acids Research</i> , 2021, 49, 9539-9547.	6.5	12
26	Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. <i>Structure</i> , 2021, 29, 804-809.e5.	1.6	8
27	Cryo-EM structures of Gid12-bound GID E3 reveal steric blockade as a mechanism inhibiting substrate ubiquitylation. <i>Nature Communications</i> , 2022, 13, .	5.8	3
28	A12...The cryo-electron microscopy structure of huntingtin. , 2018, , .		0
29	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
30	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
31	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
32	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0