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	Cryo-EM structures of Gid12-bound GID E3 reveal steric blockade as a mechanism inhibiting substrate ubiquitylation. Nature Communications, 2022, 13, .	5.8	3
2	Structure of the Maturing 90S Pre-ribosome in Association with the RNA Exosome. Molecular Cell, 2021, 81, 293-303.e4.	4.5	36
3	A distinct assembly pathway of the human 39S late pre-mitoribosome. Nature Communications, 2021, 12, 4544.	5.8	27
4	Pathological polyQ expansion does not alter the conformation of the Huntingtin-HAP40 complex. Structure, 2021, 29, 804-809.e5.	1.6	8
5	Structural basis of <scp>l</scp>-tryptophan-dependent inhibition of release factor 2 by the TnaC arrest peptide. Nucleic Acids Research, 2021, 49, 9539-9547.	6.5	12
6	A structural inventory of native ribosomal ABCE1â€43S preâ€initiation complexes. EMBO Journal, 2021, 40, e105179.	3.5	35
7	Architecture of the active postâ€translational Sec translocon. EMBO Journal, 2021, 40, e105643.	3.5	33
8	Molecular mechanism of translational stalling by inhibitory codon combinations and poly(A) tracts. EMBO Journal, 2020, 39, e103365.	3.5	113
9	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. PLoS Biology, 2020, 18, e3000780.	2.6	56
10	Construction of the Central Protuberance and L1 Stalk during 60S Subunit Biogenesis. Molecular Cell, 2020, 79, 615-628.e5.	4.5	48
11	Structural basis for translational shutdown and immune evasion by the Nsp1 protein of SARS-CoV-2. Science, 2020, 369, 1249-1255.	6.0	635
12	90 S pre-ribosome transformation into the primordial 40 S subunit. Science, 2020, 369, 1470-1476.	6.0	59
13	RQT complex dissociates ribosomes collided on endogenous RQC substrate SDD1. Nature Structural and Molecular Biology, 2020, 27, 323-332.	3.6	97
14	Tetracenomycin X inhibits translation by binding within the ribosomal exit tunnel. Nature Chemical Biology, 2020, 16, 1071-1077.	3.9	43
15	The Ccr4-Not complex monitors the translating ribosome for codon optimality. Science, 2020, 368, .	6.0	180
16	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
17	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
18	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0

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19	Structure and function of yeast Lso2 and human CCDC124 bound to hibernating ribosomes. , 2020, 18, e3000780.		0
20	Thermophile 90S Pre-ribosome Structures Reveal the Reverse Order of Co-transcriptional 18S rRNA Subdomain Integration. Molecular Cell, 2019, 75, 1256-1269.e7.	4.5	48
21	Structure and function of Vms1 and Arb1 in RQC and mitochondrial proteome homeostasis. Nature, 2019, 570, 538-542.	13.7	63
22	Structure of the 80S ribosomeâ€“Xrn1 nuclease complex. Nature Structural and Molecular Biology, 2019, 26, 275-280.	3.6	62
23	Collided ribosomes form a unique structural interface to induce Hel2â€driven quality controlÂpathways. EMBO Journal, 2019, 38, .	3.5	232
24	Structural and mutational analysis of the ribosome-arresting human XBP1u. ELife, 2019, 8, .	2.8	51
25	The cryo-electron microscopy structure of huntingtin. Nature, 2018, 555, 117-120.	13.7	125
26	Visualizing late states of human 40S ribosomal subunit maturation. Nature, 2018, 558, 249-253.	13.7	118
27	A12â€...The cryo-electron microscopy structure of huntingtin. , 2018, , .		0
28	3.2-Ã...-resolution structure of the 90S preribosome before A1 pre-rRNA cleavage. Nature Structural and Molecular Biology, 2017, 24, 954-964.	3.6	95
29	Visualizing the Assembly Pathway of Nucleolar Pre-60S Ribosomes. Cell, 2017, 171, 1599-1610.e14.	13.5	162
30	Interdependent action of KH domain proteins Krr1 and Dim2 drive the 40S platform assembly. Nature Communications, 2017, 8, 2213.	5.8	38
31	The force-sensing peptide VemP employs extreme compaction and secondary structure formation to induce ribosomal stalling. ELife, 2017, 6, .	2.8	81
32	Architecture of the 90S Pre-ribosome: A Structural View on the Birth of the Eukaryotic Ribosome. Cell, 2016, 166, 380-393.	13.5	184