

Basil J Greber

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,637
citations

279798

23
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

3366
citing authors

#	ARTICLE	IF	CITATIONS
1	The complete structure of the 55 <i>S</i> mammalian mitochondrial ribosome. <i>Science</i> , 2015, 348, 303-308.	12.6	344
2	The complete structure of the large subunit of the mammalian mitochondrial ribosome. <i>Nature</i> , 2014, 515, 283-286.	27.8	231
3	Architecture of the large subunit of the mammalian mitochondrial ribosome. <i>Nature</i> , 2014, 505, 515-519.	27.8	207
4	Structure and Function of the Mitochondrial Ribosome. <i>Annual Review of Biochemistry</i> , 2016, 85, 103-132.	11.1	199
5	Assembly principles and structure of a 6.5-MDa bacterial microcompartment shell. <i>Science</i> , 2017, 356, 1293-1297.	12.6	187
6	Cryo-EM structure of substrate-bound human telomerase holoenzyme. <i>Nature</i> , 2018, 557, 190-195.	27.8	171
7	Structure of human TFIID and mechanism of TBP loading onto promoter DNA. <i>Science</i> , 2018, 362, .	12.6	123
8	YidC and Oxa1 Form Dimeric Insertion Pores on the Translating Ribosome. <i>Molecular Cell</i> , 2009, 34, 344-353.	9.7	117
9	Insertion of the Biogenesis Factor Rei1 Probes the Ribosomal Tunnel during 60S Maturation. <i>Cell</i> , 2016, 164, 91-102.	28.9	97
10	Cryo-EM structures of Arx1 and maturation factors Rei1 and Jjj1 bound to the 60S ribosomal subunit. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1228-1233.	8.2	95
11	Mitochondrial 16S rRNA Is Methylated by tRNA Methyltransferase TRMT61B in All Vertebrates. <i>PLoS Biology</i> , 2016, 14, e1002557.	5.6	95
12	The complete structure of the human TFIIF core complex. <i>ELife</i> , 2019, 8, .	6.0	91
13	The cryo-electron microscopy structure of human transcription factor IIF. <i>Nature</i> , 2017, 549, 414-417.	27.8	89
14	A Midzone-Based Ruler Adjusts Chromosome Compaction to Anaphase Spindle Length. <i>Science</i> , 2011, 332, 465-468.	12.6	87
15	Architecture of the chromatin remodeler RSC and insights into its nucleosome engagement. <i>ELife</i> , 2019, 8, .	6.0	68
16	Mechanistic insight into eukaryotic 60S ribosomal subunit biogenesis by cryo-electron microscopy. <i>Rna</i> , 2016, 22, 1643-1662.	3.5	54
17	The Plasticity of Molecular Interactions Governs Bacterial Microcompartment Shell Assembly. <i>Structure</i> , 2019, 27, 749-763.e4.	3.3	50
18	High-resolution structures of mitochondrial ribosomes and their functional implications. <i>Current Opinion in Structural Biology</i> , 2018, 49, 44-53.	5.7	45

#	ARTICLE	IF	CITATIONS
19	Cryo-EM Structure of the Archaeal 50S Ribosomal Subunit in Complex with Initiation Factor 6 and Implications for Ribosome Evolution. <i>Journal of Molecular Biology</i> , 2012, 418, 145-160.	4.2	42
20	Recent insights into the structure of TFIID, its assembly, and its binding to core promoter. <i>Current Opinion in Structural Biology</i> , 2020, 61, 17-24.	5.7	42
21	The cryoelectron microscopy structure of the human CDK-activating kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22849-22857.	7.1	42
22	Structural basis for dimerization quality control. <i>Nature</i> , 2020, 586, 452-456.	27.8	36
23	Structural transitions in the GTP cap visualized by cryo-electron microscopy of catalytically inactive microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	28
24	The Structures of Eukaryotic Transcription Pre-initiation Complexes and Their Functional Implications. <i>Sub-Cellular Biochemistry</i> , 2019, 93, 143-192.	2.4	27
25	2.5Å-resolution structure of human CDK-activating kinase bound to the clinical inhibitor ICEC0942. <i>Biophysical Journal</i> , 2021, 120, 677-686.	0.5	22
26	Archaeal aminoacyl-tRNA synthetases interact with the ribosome to recycle tRNAs. <i>Nucleic Acids Research</i> , 2014, 42, 5191-5201.	14.5	19
27	High-resolution cryo-EM structures of TFIH and their functional implications. <i>Current Opinion in Structural Biology</i> , 2019, 59, 188-194.	5.7	13
28	Mechanistic insight into co-translational protein processing, folding, targeting, and membrane insertion. , 2011, , 405-418.		1