

Marc Leibundgut

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,520
citations

304743

22
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

5065
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Nsp1 binds the ribosomal mRNA channel to inhibit translation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 959-966.	8.2	432
2	Crystal Structure of the Eukaryotic 40 S Ribosomal Subunit in Complex with Initiation Factor 1. <i>Science</i> , 2011, 331, 730-736.	12.6	420
3	The complete structure of the 55 S mammalian mitochondrial ribosome. <i>Science</i> , 2015, 348, 303-308.	12.6	344
4	The complete structure of the large subunit of the mammalian mitochondrial ribosome. <i>Nature</i> , 2014, 515, 283-286.	27.8	231
5	Architecture of the large subunit of the mammalian mitochondrial ribosome. <i>Nature</i> , 2014, 505, 515-519.	27.8	207
6	Structural Basis for Substrate Delivery by Acyl Carrier Protein in the Yeast Fatty Acid Synthase. <i>Science</i> , 2007, 316, 288-290.	12.6	178
7	Structural basis of ribosomal frameshifting during translation of the SARS-CoV-2 RNA genome. <i>Science</i> , 2021, 372, 1306-1313.	12.6	165
8	The multienzyme architecture of eukaryotic fatty acid synthases. <i>Current Opinion in Structural Biology</i> , 2008, 18, 714-725.	5.7	163
9	Atomic structures of the eukaryotic ribosome. <i>Trends in Biochemical Sciences</i> , 2012, 37, 189-198.	7.5	158
10	The complete structure of the chloroplast 70S ribosome in complex with translation factor pY. <i>EMBO Journal</i> , 2017, 36, 475-486.	7.8	132
11	Cryo-EM structure of Hepatitis C virus IRES bound to the human ribosome at 3.9-Å... resolution. <i>Nature Communications</i> , 2015, 6, 7646.	12.8	112
12	Evolutionary shift toward protein-based architecture in trypanosomal mitochondrial ribosomes. <i>Science</i> , 2018, 362, .	12.6	107
13	Structure and assembly of scalable porous protein cages. <i>Nature Communications</i> , 2017, 8, 14663.	12.8	102
14	Insertion of the Biogenesis Factor Rei1 Probes the Ribosomal Tunnel during 60S Maturation. <i>Cell</i> , 2016, 164, 91-102.	28.9	97
15	Unique features of mammalian mitochondrial translation initiation revealed by cryo-EM. <i>Nature</i> , 2018, 560, 263-267.	27.8	96
16	Structures of the E. coli translating ribosome with SRP and its receptor and with the translocon. <i>Nature Communications</i> , 2016, 7, 10471.	12.8	88
17	Structure of a eukaryotic cytoplasmic pre-40S ribosomal subunit. <i>EMBO Journal</i> , 2018, 37, .	7.8	85
18	Structural and Functional Insights into Human Re-initiation Complexes. <i>Molecular Cell</i> , 2017, 67, 447-456.e7.	9.7	68

#	ARTICLE	IF	CITATIONS
19	Mitoribosomal small subunit biogenesis in trypanosomes involves an extensive assembly machinery. <i>Science</i> , 2019, 365, 1144-1149.	12.6	61
20	Structural Insights into the Mechanism of Mitoribosomal Large Subunit Biogenesis. <i>Molecular Cell</i> , 2020, 79, 629-644.e4.	9.7	54
21	Evolution of a virus-like architecture and packaging mechanism in a repurposed bacterial protein. <i>Science</i> , 2021, 372, 1220-1224.	12.6	53
22	Stepwise maturation of the peptidyl transferase region of human mitoribosomes. <i>Nature Communications</i> , 2021, 12, 3671.	12.8	25
23	Structure and functional implications of WYL domain-containing bacterial DNA damage response regulator PafBC. <i>Nature Communications</i> , 2019, 10, 4653.	12.8	23
24	Structural Analysis of the Bacterial Proteasome Activator Bpa in Complex with the 20S Proteasome. <i>Structure</i> , 2016, 24, 2138-2151.	3.3	22
25	Interactions of the Acyl Chain with the <i>Saccharomyces cerevisiae</i> Acyl Carrier Protein. <i>Biochemistry</i> , 2015, 54, 2205-2213.	2.5	19
26	Structural basis of translation inhibition by cadazolid, a novel quinoxolidinone antibiotic. <i>Scientific Reports</i> , 2019, 9, 5634.	3.3	17
27	Mitoribosomal small subunit maturation involves formation of initiation-like complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
28	Structure of native glycolipoprotein filaments in honeybee royal jelly. <i>Nature Communications</i> , 2020, 11, 6267.	12.8	13
29	Structures of prokaryotic ubiquitin-like protein Pup in complex with depupylase Dop reveal the mechanism of catalytic phosphate formation. <i>Nature Communications</i> , 2021, 12, 6635.	12.8	3