

Marc Leibundgut

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,520
citations

304368

22
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

5065
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	3.3	14
2	Structural basis of ribosomal frameshifting during translation of the SARS-CoV-2 RNA genome. <i>Science</i> , 2021, 372, 1306-1313.	6.0	165
3	Stepwise maturation of the peptidyl transferase region of human mitoribosomes. <i>Nature Communications</i> , 2021, 12, 3671.	5.8	25
4	Evolution of a virus-like architecture and packaging mechanism in a repurposed bacterial protein. <i>Science</i> , 2021, 372, 1220-1224.	6.0	53
5	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.	5.8	3
6	Structural Insights into the Mechanism of Mitoribosomal Large Subunit Biogenesis. <i>Molecular Cell</i> , 2020, 79, 629-644.e4.	4.5	54
7	SARS-CoV-2 Nsp1 binds the ribosomal mRNA channel to inhibit translation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 959-966.	3.6	432
8	Structure of native glycolipoprotein filaments in honeybee royal jelly. <i>Nature Communications</i> , 2020, 11, 6267.	5.8	13
9	Structure and functional implications of WYL domain-containing bacterial DNA damage response regulator PafBC. <i>Nature Communications</i> , 2019, 10, 4653.	5.8	23
10	Mitoribosomal small subunit biogenesis in trypanosomes involves an extensive assembly machinery. <i>Science</i> , 2019, 365, 1144-1149.	6.0	61
11	Structural basis of translation inhibition by cadazolid, a novel quinoxolidinone antibiotic. <i>Scientific Reports</i> , 2019, 9, 5634.	1.6	17
12	Structure of a eukaryotic cytoplasmic pre-40S ribosomal subunit. <i>EMBO Journal</i> , 2018, 37, .	3.5	85
13	Evolutionary shift toward protein-based architecture in trypanosomal mitochondrial ribosomes. <i>Science</i> , 2018, 362, .	6.0	107
14	Unique features of mammalian mitochondrial translation initiation revealed by cryo-EM. <i>Nature</i> , 2018, 560, 263-267.	13.7	96
15	Structure and assembly of scalable porous protein cages. <i>Nature Communications</i> , 2017, 8, 14663.	5.8	102
16	The complete structure of the chloroplast 70S ribosome in complex with translation factor pY. <i>EMBO Journal</i> , 2017, 36, 475-486.	3.5	132
17	Structural and Functional Insights into Human Re-initiation Complexes. <i>Molecular Cell</i> , 2017, 67, 447-456.e7.	4.5	68
18	Structural Analysis of the Bacterial Proteasome Activator Bpa in Complex with the 20S Proteasome. <i>Structure</i> , 2016, 24, 2138-2151.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Structures of the E. coli translating ribosome with SRP and its receptor and with the translocon. Nature Communications, 2016, 7, 10471.	5.8	88
20	Insertion of the Biogenesis Factor Rei1 Probes the Ribosomal Tunnel during 60S Maturation. Cell, 2016, 164, 91-102.	13.5	97
21	Cryo-EM structure of Hepatitis C virus IRES bound to the human ribosome at 3.9-Å... resolution. Nature Communications, 2015, 6, 7646.	5.8	112
22	Interactions of the Acyl Chain with the <i>Saccharomyces cerevisiae</i> Acyl Carrier Protein. Biochemistry, 2015, 54, 2205-2213.	1.2	19
23	The complete structure of the 55 <i>S</i> mammalian mitochondrial ribosome. Science, 2015, 348, 303-308.	6.0	344
24	Architecture of the large subunit of the mammalian mitochondrial ribosome. Nature, 2014, 505, 515-519.	13.7	207
25	The complete structure of the large subunit of the mammalian mitochondrial ribosome. Nature, 2014, 515, 283-286.	13.7	231
26	Atomic structures of the eukaryotic ribosome. Trends in Biochemical Sciences, 2012, 37, 189-198.	3.7	158
27	Crystal Structure of the Eukaryotic 40 <i>S</i> Ribosomal Subunit in Complex with Initiation Factor 1. Science, 2011, 331, 730-736.	6.0	420
28	The multienzyme architecture of eukaryotic fatty acid synthases. Current Opinion in Structural Biology, 2008, 18, 714-725.	2.6	163
29	Structural Basis for Substrate Delivery by Acyl Carrier Protein in the Yeast Fatty Acid Synthase. Science, 2007, 316, 288-290.	6.0	178