

Shyamal Mosalaganti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5236194/publications.pdf>

Version: 2024-02-01

16
papers

2,029
citations

623188

14
h-index

1058022

14
g-index

24
all docs

24
docs citations

24
times ranked

3541
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ structural analysis of SARS-CoV-2 spike reveals flexibility mediated by three hinges. <i>Science</i> , 2020, 370, 203-208.	6.0	531
2	In situ structural analysis of the human nuclear pore complex. <i>Nature</i> , 2015, 526, 140-143.	13.7	361
3	Molecular architecture of the inner ring scaffold of the human nuclear pore complex. <i>Science</i> , 2016, 352, 363-365.	6.0	284
4	AI-based structure prediction empowers integrative structural analysis of human nuclear pores. <i>Science</i> , 2022, 376, .	6.0	136
5	Proteasomes tether to two distinct sites at the nuclear pore complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13726-13731.	3.3	123
6	Modular Assembly of RWD Domains on the Mis12 Complex Underlies Outer Kinetochore Organization. <i>Molecular Cell</i> , 2014, 53, 591-605.	4.5	116
7	In situ architecture of the algal nuclear pore complex. <i>Nature Communications</i> , 2018, 9, 2361.	5.8	107
8	Selective autophagy degrades nuclear pore complexes. <i>Nature Cell Biology</i> , 2020, 22, 159-166.	4.6	86
9	Structure of the RZZ complex and molecular basis of its interaction with Spindly. <i>Journal of Cell Biology</i> , 2017, 216, 961-981.	2.3	65
10	Benchmarking tomographic acquisition schemes for high-resolution structural biology. <i>Nature Communications</i> , 2020, 11, 876.	5.8	49
11	Insights from the reconstitution of the divergent outer kinetochore of <i>Drosophila melanogaster</i> . <i>Open Biology</i> , 2016, 6, 150236.	1.5	41
12	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. <i>Molecular Biology of the Cell</i> , 2021, 32, 1523-1533.	0.9	37
13	From the resolution revolution to evolution: structural insights into the evolutionary relationships between vesicle coats and the nuclear pore. <i>Current Opinion in Structural Biology</i> , 2018, 52, 32-40.	2.6	21
14	Structural impact of K63 ubiquitin on yeast translocating ribosomes under oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22157-22166.	3.3	21
15	Quality over quantity: Achieving Better Resolution in Subtomogram Averaging Using Less particles. <i>Microscopy and Microanalysis</i> , 2020, 26, 2514-2514.	0.2	0
16	Strategies for single-particle cryo-electron microscopy studies of small integral membrane proteins. <i>Biophysical Journal</i> , 2022, 121, 343a.	0.2	0