Shyamal Mosalaganti

List of Publications by Year
in descending order

16 papers	2,029 citations	623734 14 h-index	1058476 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. Science, 2020, 370, 203-208.	12.6	531
2	In situ structural analysis of the human nuclear pore complex. Nature, 2015, 526, 140-143.	27.8	361
3	Molecular architecture of the inner ring scaffold of the human nuclear pore complex. Science, 2016, 352, 363-365.	12.6	284
4	AI-based structure prediction empowers integrative structural analysis of human nuclear pores. Science, 2022, 376, .	12.6	136
5	Proteasomes tether to two distinct sites at the nuclear pore complex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13726-13731.	7.1	123
6	Modular Assembly of RWD Domains on the Mis12 Complex Underlies Outer Kinetochore Organization. Molecular Cell, 2014, 53, 591-605.	9.7	116
7	In situ architecture of the algal nuclear pore complex. Nature Communications, 2018, 9, 2361.	12.8	107
8	Selective autophagy degrades nuclear pore complexes. Nature Cell Biology, 2020, 22, 159-166.	10.3	86
9	Structure of the RZZ complex and molecular basis of its interaction with Spindly. Journal of Cell Biology, 2017, 216, 961-981.	5.2	65
10	Benchmarking tomographic acquisition schemes for high-resolution structural biology. Nature Communications, 2020, 11, 876.	12.8	49
11	Insights from the reconstitution of the divergent outer kinetochore of Drosophila melanogaster. Open Biology, 2016, 6, 150236.	3.6	41
12	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. Molecular Biology of the Cell, 2021, 32, 1523-1533.	2.1	37
13	From the resolution revolution to evolution: structural insights into the evolutionary relationships between vesicle coats and the nuclear pore. Current Opinion in Structural Biology, 2018, 52, 32-40.	5.7	21
14	Structural impact of K63 ubiquitin on yeast translocating ribosomes under oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22157-22166.	7.1	21
15	Quality over quantity: Achieving Better Resolution in Subtomogram Averaging Using Less particles. Microscopy and Microanalysis, 2020, 26, 2514-2514.	0.4	0
16	Strategies for single-particle cryo-electron microscopy studies of small integral membrane proteins. Biophysical Journal, 2022, 121, 343a.	0.5	0