

# Shyamal Mosalaganti

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

1,212  
citations

12  
h-index

24  
g-index

24  
ext. papers

1,698  
ext. citations

16.6  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
18	Three-dimensional superresolution fluorescence microscopy maps the variable molecular architecture of the nuclear pore complex. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 1523-1533	3.5	7
17	Quality over quantity: Achieving Better Resolution in Subtomogram Averaging Using Less particles. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 2514-2514	0.5	
16	Selective autophagy degrades nuclear pore complexes. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 159-166	23.4	48
15	Benchmarking tomographic acquisition schemes for high-resolution structural biology. <i>Nature Communications</i> , <b>2020</b> , 11, 876	17.4	18
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> , <b>2020</b> , 117, 22157-22166	11.5	7
13	In situ structural analysis of SARS-CoV-2 spike reveals flexibility mediated by three hinges. <i>Science</i> , <b>2020</b> , 370, 203-208	33.3	287
12	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> , <b>2018</b> , 52, 32-40	8.1	14
11	In situ architecture of the algal nuclear pore complex. <i>Nature Communications</i> , <b>2018</b> , 9, 2361	17.4	76
10	Structure of the RZZ complex and molecular basis of its interaction with Spindly. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 961-981	7.3	43
9	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> , <b>2017</b> , 114, 13726-13731	11.5	79
8	Insights from the reconstitution of the divergent outer kinetochore of <i>Drosophila melanogaster</i> . <i>Open Biology</i> , <b>2016</b> , 6, 150236	7	22
7	Molecular architecture of the inner ring scaffold of the human nuclear pore complex. <i>Science</i> , <b>2016</b> , 352, 363-5	33.3	216
6	In situ structural analysis of the human nuclear pore complex. <i>Nature</i> , <b>2015</b> , 526, 140-143	50.4	267
5	Modular assembly of RWD domains on the Mis12 complex underlies outer kinetochore organization. <i>Molecular Cell</i> , <b>2014</b> , 53, 591-605	17.6	90
4	In situ architecture of the algal nuclear pore complex		1
3	Artificial intelligence reveals nuclear pore complexity		7
2	In situ structural analysis of SARS-CoV-2 spike reveals flexibility mediated by three hinges		19

- 1 3D super-resolution fluorescence microscopy maps the variable molecular architecture of the Nuclear Pore Complex