

# Siyuan Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/741741/publications.pdf>

Version: 2024-02-01

24  
papers

4,750  
citations

471509

17  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

7101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatially resolved, highly multiplexed RNA profiling in single cells. <i>Science</i> , 2015, 348, aaa6090.	12.6	1,689
2	Super-resolution imaging reveals distinct chromatin folding for different epigenetic states. <i>Nature</i> , 2016, 529, 418-422.	27.8	750
3	Spatial organization of chromatin domains and compartments in single chromosomes. <i>Science</i> , 2016, 353, 598-602.	12.6	534
4	The bacterial actin MreB rotates, and rotation depends on cell-wall assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15822-15827.	7.1	391
5	Characterization and development of photoactivatable fluorescent proteins for single-molecule-based superresolution imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8452-8457.	7.1	319
6	Probing Allostery Through DNA. <i>Science</i> , 2013, 339, 816-819.	12.6	243
7	Spatial organization shapes the turnover of a bacterial transcriptome. <i>ELife</i> , 2016, 5, .	6.0	139
8	Actin-like cytoskeleton filaments contribute to cell mechanics in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9182-9185.	7.1	129
9	Helical insertion of peptidoglycan produces chiral ordering of the bacterial cell wall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E595-604.	7.1	97
10	An RNA-aptamer-based two-color CRISPR labeling system. <i>Scientific Reports</i> , 2016, 6, 26857.	3.3	88
11	Multiplexed imaging of nucleome architectures in single cells of mammalian tissue. <i>Nature Communications</i> , 2020, 11, 2907.	12.8	69
12	Super-Resolution Fluorescence Imaging of Spatial Organization of Proteins and Lipids in Natural Rubber. <i>Biomacromolecules</i> , 2017, 18, 1705-1712.	5.4	49
13	Lamina-Dependent Stretching and Unconventional Chromosome Compartments in Early <i>C.Âlegans</i> Embryos. <i>Molecular Cell</i> , 2020, 78, 96-111.e6.	9.7	43
14	Spatial transcriptome profiling by MERFISH reveals fetal liver hematopoietic stem cell niche architecture. <i>Cell Discovery</i> , 2021, 7, 47.	6.7	31
15	Cell Shape Can Mediate the Spatial Organization of the Bacterial Cytoskeleton. <i>Biophysical Journal</i> , 2013, 104, 541-552.	0.5	28
16	ProbeDealer is a convenient tool for designing probes for highly multiplexed fluorescence in situ hybridization. <i>Scientific Reports</i> , 2020, 10, 22031.	3.3	25
17	Chromatin Tracing: Imaging 3D Genome and Nucleome. <i>Trends in Cell Biology</i> , 2021, 31, 5-8.	7.9	23
18	Modeling Spatial Correlation of DNA Deformation: DNA Allostery in Protein Binding. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13378-13387.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Chromatin tracing and multiplexed imaging of nucleome architectures (MINA) and RNAs in single mammalian cells and tissue. Nature Protocols, 2021, 16, 2667-2697.	12.0	16
20	TAD-like single-cell domain structures exist on both active and inactive X chromosomes and persist under epigenetic perturbations. Genome Biology, 2021, 22, 309.	8.8	14
21	The mechanics of shape in prokaryotes. Frontiers in Bioscience - Scholar, 2013, S5, 564-574.	2.1	13
22	Stochastic model of coliphage lambda regulatory network. Physical Review E, 2006, 73, 041922.	2.1	9
23	Measuring the Bending Stiffness of Bacterial Cells Using an Optical Trap. Journal of Visualized Experiments, 2010, , .	0.3	7
24	New mechanism of chromatin compartmentalization by BRD2. Trends in Genetics, 2022, , .	6.7	0