

# 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	New mechanism of chromatin compartmentalization by BRD2. Trends in Genetics, 2022, , .	6.7	0
2	Chromatin Tracing: Imaging 3D Genome and Nucleome. Trends in Cell Biology, 2021, 31, 5-8.	7.9	23
3	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
4	Spatial transcriptome profiling by MERFISH reveals fetal liver hematopoietic stem cell niche architecture. Cell Discovery, 2021, 7, 47.	6.7	31
5	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
6	Multiplexed imaging of nucleome architectures in single cells of mammalian tissue. Nature Communications, 2020, 11, 2907.	12.8	69
7	Lamina-Dependent Stretching and Unconventional Chromosome Compartments in Early C.Âlegans Embryos. Molecular Cell, 2020, 78, 96-111.e6.	9.7	43
8	ProbeDealer is a convenient tool for designing probes for highly multiplexed fluorescence in situ hybridization. Scientific Reports, 2020, 10, 22031.	3.3	25
9	Super-Resolution Fluorescence Imaging of Spatial Organization of Proteins and Lipids in Natural Rubber. Biomacromolecules, 2017, 18, 1705-1712.	5.4	49
10	Spatial organization shapes the turnover of a bacterial transcriptome. ELife, 2016, 5, .	6.0	139
11	Spatial organization of chromatin domains and compartments in single chromosomes. Science, 2016, 353, 598-602.	12.6	534
12	An RNA-aptamer-based two-color CRISPR labeling system. Scientific Reports, 2016, 6, 26857.	3.3	88
13	Super-resolution imaging reveals distinct chromatin folding for different epigenetic states. Nature, 2016, 529, 418-422.	27.8	750
14	Spatially resolved, highly multiplexed RNA profiling in single cells. Science, 2015, 348, aaa6090.	12.6	1,689
15	Characterization and development of photoactivatable fluorescent proteins for single-moleculeâ€based superresolution imaging. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8452-8457.	7.1	319
16	Probing Allostery Through DNA. Science, 2013, 339, 816-819.	12.6	243
17	Cell Shape Can Mediate the Spatial Organization of the Bacterial Cytoskeleton. Biophysical Journal, 2013, 104, 541-552.	0.5	28
18	Modeling Spatial Correlation of DNA Deformation: DNA Allostery in Protein Binding. Journal of Physical Chemistry B, 2013, 117, 13378-13387.	2.6	18

#	ARTICLE	IF	CITATIONS
19	The mechanics of shape in prokaryotes. <i>Frontiers in Bioscience - Scholar</i> , 2013, S5, 564-574.	2.1	13
20	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
21	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
22	Measuring the Bending Stiffness of Bacterial Cells Using an Optical Trap. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	7
23	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
24	Stochastic model of coliphage lambda regulatory network. <i>Physical Review E</i> , 2006, 73, 041922.	2.1	9