Yujie Sun

List of Publications by Year
in descending order

71 papers	3,162 citations	159585 30 h-index	182427 51 g-index
75 all docs	75 docs citations	75 times ranked	4722 citing authors

#	Article	IF	Citations
1	Nuclear peripheral chromatin-lamin B1 interaction is required for global integrity of chromatin architecture and dynamics in human cells. Protein and Cell, 2022, 13, 258-280.	11.0	43
2	Reversible phase separation of HSF1 is required for an acute transcriptional response during heat shock. Nature Cell Biology, 2022, 24, 340-352.	10.3	60
3	Mechanical instability generated by Myosin 19 contributes to mitochondria cristae architecture and OXPHOS. Nature Communications, 2022, 13, 2673.	12.8	18
4	The Arabidopsis DREAM complex antagonizes WDR5A to modulate histone H3K4me2/3 deposition for a subset of genome repression. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
5	Systematic imaging in medicine: a comprehensive review. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1736-1758.	6.4	13
6	The Golgi microtubules regulate single cell durotaxis. EMBO Reports, 2021, 22, e51094.	4.5	14
7	TagBiFC technique allows long-term single-molecule tracking of protein-protein interactions in living cells. Communications Biology, 2021, 4, 378.	4.4	14
8	LIMD1 phase separation contributes to cellular mechanics and durotaxis by regulating focal adhesion dynamics in response to force. Developmental Cell, 2021, 56, 1313-1325.e7.	7.0	40
9	Phase separation of OCT4 controls TAD reorganization to promote cell fate transitions. Cell Stem Cell, 2021, 28, 1868-1883.e11.	11.1	66
10	Expansion Microscopy with Multifunctional Polymer Dots. Advanced Materials, 2021, 33, e2007854.	21.0	18
11	Multi-color structured illumination microscopy for live cell imaging based on the enhanced image recombination transform algorithm. Biomedical Optics Express, 2021, 12, 3474.	2.9	9
12	TLR4 signalling via Piezo1 engages and enhances the macrophage mediated host response during bacterial infection. Nature Communications, 2021, 12, 3519.	12.8	89
13	Transcription-coupled structural dynamics of topologically associating domains regulate replication origin efficiency. Genome Biology, 2021, 22, 206.	8.8	18
14	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. Developmental Cell, 2021, 56, 2592-2606.e7.	7.0	18
15	Homotypic clustering of L1 and B1/Alu repeats compartmentalizes the 3D genome. Cell Research, 2021, 31, 613-630.	12.0	105
16	Mitochondrial Localization Signal of Porcine Circovirus Type 2 Capsid Protein Plays a Critical Role in Cap-Induced Apoptosis. Veterinary Sciences, 2021, 8, 272.	1.7	5
17	Polycomb Group Proteins Regulate Chromatin Architecture in Mouse Oocytes and Early Embryos. Molecular Cell, 2020, 77, 825-839.e7.	9.7	105
18	ER-mitochondria contacts promote mtDNA nucleoids active transportation via mitochondrial dynamic tubulation. Nature Communications, 2020, 11, 4471.	12.8	58

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19	Reconstruction of cell spatial organization from single-cell RNA sequencing data based on ligand-receptor mediated self-assembly. Cell Research, 2020, 30, 763-778.	12.0	92
20	Superresolution imaging reveals spatiotemporal propagation of human replication foci mediated by CTCF-organized chromatin structures. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15036-15046.	7.1	27
21	ADAM9 Mediates Triple-Negative Breast Cancer Progression via AKT/NF-Î ºB Pathway. Frontiers in Medicine, 2020, 7, 214.	2.6	13
22	Genomic Repeats Categorize Genes with Distinct Functions for Orchestrated Regulation. Cell Reports, 2020, 30, 3296-3311.e5.	6.4	103
23	Golgiâ€associated microtubules are fast cargo tracks and required for persistent cell migration. EMBO Reports, 2020, 21, e48385.	4.5	28
24	The Carboxyl Terminus of the Porcine Circovirus Type 2 Capsid Protein Is Critical to Virus-Like Particle Assembly, Cell Entry, and Propagation. Journal of Virology, 2020, 94, .	3.4	11
25	Architectural proteins for the formation and maintenance of the 3D genome. Science China Life Sciences, 2020, 63, 795-810.	4.9	11
26	Nuclear actin regulates inducible transcription by enhancing RNA polymerase II clustering. Science Advances, 2020, 6, eaay6515.	10.3	81
27	Mixed secondary chromatin structure revealed by modeling radiation-induced DNA fragment length distribution. Science China Life Sciences, 2020, 63, 825-834.	4.9	2
28	Migrasome formation is mediated by assembly of micron-scale tetraspanin macrodomains. Nature Cell Biology, 2019, 21, 991-1002.	10.3	121
29	Multistep nucleation and growth mechanisms of organic crystals from amorphous solid states. Nature Communications, 2019, 10, 3872.	12.8	57
30	The Nuclear Matrix Protein SAFA Surveils Viral RNA and Facilitates Immunity by Activating Antiviral Enhancers and Super-enhancers. Cell Host and Microbe, 2019, 26, 369-384.e8.	11.0	54
31	The nucleoskeleton protein IFFO1 immobilizes broken DNA and suppresses chromosome translocation during tumorigenesis. Nature Cell Biology, 2019, 21, 1273-1285.	10.3	40
32	Identification of a point mutation PMLS214L-RARÎ± that alters PML body organization, dynamics and SUMOylation. Biochemical and Biophysical Research Communications, 2019, 511, 518-523.	2.1	1
33	Semiconducting Polymer Dots with Modulated Photoblinking for Highâ€Order Superâ€Resolution Optical Fluctuation Imaging. Advanced Optical Materials, 2019, 7, 1900007.	7.3	18
34	AgoFISH: cost-effective in situ labelling of genomic loci based on DNA-guided dTtAgo protein. Nanoscale Horizons, 2019, 4, 918-923.	8.0	7
35	Visualizing Autophagic Lysosome Reformation in Cells Using In Vitro Reconstitution Systems. Current Protocols in Cell Biology, 2018, 78, 11.24.1-11.24.15.	2.3	10
36	Live Cell Visualization of Multiple Proteinâ€“Protein Interactions with BiFC Rainbow. ACS Chemical Biology, 2018, 13, 1180-1188.	3.4	16

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37	GMars-T Enabling Multimodal Subdiffraction Structural and Functional Fluorescence Imaging in Live Cells. Analytical Chemistry, 2018, 90, 6626-6634.	6.5	16
38	Multiplexed sgRNA Expression Allows Versatile Single Nonrepetitive DNA Labeling and Endogenous Gene Regulation. ACS Synthetic Biology, 2018, 7, 176-186.	3.8	33
39	Spying on protein interactions in living cells with reconstituted scarlet light. Analyst, The, 2018, 143, 5161-5169.	3.5	2
40	A Tunable Optofluidic Microlaser in a Photostable Conjugated Polymer. Advanced Materials, 2018, 30, e1804556.	21.0	44
41	Lighting Up Live Cells with Smart Genetically Encoded Fluorescence Probes from GMars Family. ACS Sensors, 2018, 3, 2269-2277.	7.8	5
42	Expansion enhanced nanoscopy. Nanoscale, 2018, 10, 17552-17556.	5.6	29
43	MapZ Forms a Stable Ring Structure That Acts As a Nanotrack for FtsZ Treadmilling in Streptococcus mutans. ACS Nano, 2018, 12, 6137-6146.	14.6	23
44	Intranucleus Single-Molecule Imaging inÂLivingÂCells. Biophysical Journal, 2018, 115, 181-189.	0.5	23
45	Rtt105 functions as a chaperone for replication protein A to preserve genome stability. EMBO Journal, 2018, 37, .	7.8	23
46	Highly efficient cellular uptake of a cell-penetrating peptide (CPP) derived from the capsid protein of porcine circovirus type 2. Journal of Biological Chemistry, 2018, 293, 15221-15232.	3.4	31
47	Semiconductor Polymer Dots: Small Photoblinking Semiconductor Polymer Dots for Fluorescence Nanoscopy (Adv. Mater. 5/2017). Advanced Materials, 2017, 29, .	21.0	3
48	Live visualization of genomic loci with BiFC-TALE. Scientific Reports, 2017, 7, 40192.	3.3	12
49	Zyxin regulates endothelial von Willebrand factor secretion by reorganizing actin filaments around exocytic granules. Nature Communications, 2017, 8, 14639.	12.8	37
50	Crystal structure of Zen4 in the apo state reveals a missing conformation of kinesin. Nature Communications, 2017, 8, 14951.	12.8	18
51	Multicolor Photoâ€Crosslinkable AIEgens toward Compact Nanodots for Subcellular Imaging and STED Nanoscopy. Small, 2017, 13, 1702128.	10.0	56
52	Multicolor Super-resolution Fluorescence Microscopy with Blue and Carmine Small Photoblinking Polymer Dots. ACS Nano, 2017, 11, 8084-8091.	14.6	74
53	Illuminating the structure and dynamics of chromatin by fluorescence labeling. Frontiers in Biology, 2017, 12, 241-257.	0.7	4
54	Small Photoblinking Semiconductor Polymer Dots for Fluorescence Nanoscopy. Advanced Materials, 2017, 29, 1604850.	21.0	78

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55	Development of bimolecular fluorescence complementation using rsEGFP2 for detection and super-resolution imaging of protein-protein interactions in live cells. Biomedical Optics Express, 2017, 8, 3119.	2.9	24
56	Vesicle Size Regulates Nanotube Formation in the Cell. Scientific Reports, 2016, 6, 24002.	3.3	27
57	Kinesin 1 Drives Autolysosome Tubulation. Developmental Cell, 2016, 37, 326-336.	7.0	129
58	Two-photon light-sheet nanoscopy by fluorescence fluctuation correlation analysis. Nanoscale, 2016, 8, 9982-9987.	5.6	27
59	Enhanced Efflux Activity Facilitates Drug Tolerance in Dormant Bacterial Cells. Molecular Cell, 2016, 62, 284-294.	9.7	317
60	GMars-Q Enables Long-Term Live-Cell Parallelized Reversible Saturable Optical Fluorescence Transitions Nanoscopy. ACS Nano, 2016, 10, 9136-9144.	14.6	28
61	Impairment on the lateral mobility induced by structural changes underlies the functional deficiency of the lupus-associated polymorphism FcÎ³RIIB-T232. Journal of Experimental Medicine, 2016, 213, 2707-2727.	8.5	26
62	Superior performance with sCMOS over EMCCD in super-resolution optical fluctuation imaging. Journal of Biomedical Optics, 2016, 21, 066007.	2.6	5
63	Long-term dual-color tracking of genomic loci by modified sgRNAs of the CRISPR/Cas9 system. Nucleic Acids Research, 2016, 44, e86-e86.	14.5	138
64	Study of RNA Polymerase II Clustering inside Live-Cell Nuclei Using Bayesian Nanoscopy. ACS Nano, 2016, 10, 2447-2454.	14.6	38
65	C4-O-03Super-Resolution Study of The Chromatin Structure and Processes. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.5	0
66	Development of a Reversibly Switchable Fluorescent Protein for Super-Resolution Optical Fluctuation Imaging (SOFI). ACS Nano, 2015, 9, 2659-2667.	14.6	91
67	CapZ regulates autophagosomal membrane shaping by promoting actin assembly inside the isolationÂmembrane. Nature Cell Biology, 2015, 17, 1112-1123.	10.3	115
68	PTEN regulates RPA1 and protects DNA replication forks. Cell Research, 2015, 25, 1189-1204.	12.0	78
69	Dynamic tubulation of mitochondria drives mitochondrial network formation. Cell Research, 2015, 25, 1108-1120.	12.0	101
70	Mouse Myosin-19 Is a Plus-end-directed, High-duty Ratio Molecular Motor. Journal of Biological Chemistry, 2014, 289, 18535-18548.	3.4	43
71	Super-resolution imaging and tracking of proteinâ€“protein interactions in sub-diffraction cellular space. Nature Communications, 2014, 5, 4443.	12.8	62