

# C Shan Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

4,771  
citations

318942

23  
h-index

488211

31  
g-index

51  
all docs

51  
docs citations

51  
times ranked

6412  
citing authors

#	ARTICLE	IF	CITATIONS
1	OUP accepted manuscript. Brain, 2022, , .	3.7	11
2	Regulation of liver subcellular architecture controls metabolic homeostasis. Nature, 2022, 603, 736-742.	13.7	47
3	Transverse endoplasmic reticulum expansion in hereditary spastic paraplegia corticospinal axons. Human Molecular Genetics, 2022, 31, 2779-2795.	1.4	11
4	ESCRT-mediated membrane repair protects tumor-derived cells against T cell attack. Science, 2022, 376, 377-382.	6.0	47
5	Protocol for preparation of heterogeneous biological samples for 3D electron microscopy: a case study for insects. Scientific Reports, 2021, 11, 4717.	1.6	13
6	ER-to-Golgi protein delivery through an interwoven, tubular network extending from ER. Cell, 2021, 184, 2412-2429.e16.	13.5	152
7	3D FIB-SEM reconstruction of microtubule-organelle interaction in whole primary mouse $\hat{1}^2$ cells. Journal of Cell Biology, 2021, 220, .	2.3	64
8	Whole-cell organelle segmentation in volume electron microscopy. Nature, 2021, 599, 141-146.	13.7	127
9	An open-access volume electron microscopy atlas of whole cells and tissues. Nature, 2021, 599, 147-151.	13.7	80
10	Gas cluster ion beam SEM for imaging of large tissue samples with 10 $\hat{a}$ %nm isotropic resolution. Nature Methods, 2020, 17, 68-71.	9.0	40
11	Chromatin arranges in chains of mesoscale domains with nanoscale functional topography independent of cohesin. Science Advances, 2020, 6, .	4.7	97
12	Transforming FIB-SEM for Large Volume Imaging: A Powerful Discovery Platform for Biological Sciences. Microscopy and Microanalysis, 2020, 26, 594-596.	0.2	0
13	Chloroplast Sec14-like 1 (CPSFL1) is essential for normal chloroplast development and affects carotenoid accumulation in <i>Chlamydomonas</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12452-12463.	3.3	17
14	Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. Science, 2020, 367, .	6.0	255
15	A connectome and analysis of the adult Drosophila central brain. ELife, 2020, 9, .	2.8	596
16	Transforming FIB-SEM Systems for Large-Volume Connectomics and Cell Biology. Neuromethods, 2020, , 221-243.	0.2	12
17	Spastin tethers lipid droplets to peroxisomes and directs fatty acid trafficking through ESCRT-III. Journal of Cell Biology, 2019, 218, 2583-2599.	2.3	139
18	Neuron-Astrocyte Metabolic Coupling Protects against Activity-Induced Fatty Acid Toxicity. Cell, 2019, 177, 1522-1535.e14.	13.5	350

#	ARTICLE	IF	CITATIONS
19	Comparisons between the ON- and OFF-edge motion pathways in the Drosophila brain. <i>ELife</i> , 2019, 8, .	2.8	111
20	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019, 363, .	6.0	277
21	Breaking Barriers of FIB-SEM for Large Volume Connectomics and Cell Biology. <i>Microscopy and Microanalysis</i> , 2018, 24, 1228-1229.	0.2	1
22	Serial Thick Section Gas Cluster Ion Beam Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 1444-1445.	0.2	2
23	The ESCRT-III Protein CHMP1A Mediates Secretion of Sonic Hedgehog on a Distinctive Subtype of Extracellular Vesicles. <i>Cell Reports</i> , 2018, 24, 973-986.e8.	2.9	79
24	A resource for the Drosophila antennal lobe provided by the connectome of glomerulus VA1v. <i>ELife</i> , 2018, 7, .	2.8	42
25	Contacts between the endoplasmic reticulum and other membranes in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4859-E4867.	3.3	378
26	Diverse protocols for correlative super-resolution fluorescence imaging and electron microscopy of chemically fixed samples. <i>Nature Protocols</i> , 2017, 12, 916-946.	5.5	66
27	Enhanced FIB-SEM systems for large-volume 3D imaging. <i>ELife</i> , 2017, 6, .	2.8	273
28	A connectome of a learning and memory center in the adult Drosophila brain. <i>ELife</i> , 2017, 6, .	2.8	308
29	Increased spatiotemporal resolution reveals highly dynamic dense tubular matrices in the peripheral ER. <i>Science</i> , 2016, 354, .	6.0	361
30	Synaptic circuits and their variations within different columns in the visual system of <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13711-13716.	3.3	254
31	Ultrastructurally smooth thick partitioning and volume stitching for large-scale connectomics. <i>Nature Methods</i> , 2015, 12, 319-322.	9.0	119
32	Correlative 3D superresolution fluorescence and electron microscopy reveal the relationship of mitochondrial nucleoids to membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6136-6141.	3.3	225