

# Ruixuan Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1022863/publications.pdf>

Version: 2024-02-01

18  
papers

1,366  
citations

840776

11  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. Science, 2019, 363, .	12.6	277
2	Free-standing kinked nanowire transistor probes for targeted intracellular recording in three dimensions. Nature Nanotechnology, 2014, 9, 142-147.	31.5	230
3	Expansion Microscopy: Protocols for Imaging Proteins and RNA in Cells and Tissues. Current Protocols in Cell Biology, 2018, 80, e56.	2.3	136
4	Plateauâ€“Rayleigh crystal growth of periodic shells on one-dimensional substrates. Nature Nanotechnology, 2015, 10, 345-352.	31.5	131
5	3D nanofabrication by volumetric deposition and controlled shrinkage of patterned scaffolds. Science, 2018, 362, 1281-1285.	12.6	116
6	Outside Looking In: Nanotube Transistor Intracellular Sensors. Nano Letters, 2012, 12, 3329-3333.	9.1	113
7	Light sheet theta microscopy for rapid high-resolution imaging of large biological samples. BMC Biology, 2018, 16, 57.	3.8	86
8	Expansion microscopy of zebrafish for neuroscience and developmental biology studies. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10799-E10808.	7.1	73
9	Electrochemical Deposition of Conformal and Functional Layers on High Aspect Ratio Silicon Micro/Nanowires. Nano Letters, 2017, 17, 4502-4507.	9.1	50
10	Q&A: Expansion microscopy. BMC Biology, 2017, 15, 50.	3.8	49
11	A highly homogeneous polymer composed of tetrahedron-like monomers for high-isotropy expansion microscopy. Nature Nanotechnology, 2021, 16, 698-707.	31.5	43
12	Expansion Microscopy for Beginners: Visualizing Microtubules in Expanded Cultured HeLa Cells. Current Protocols in Neuroscience, 2020, 92, e96.	2.6	18
13	Encoding Active Device Elements at Nanowire Tips. Nano Letters, 2016, 16, 4713-4719.	9.1	11
14	Nanoscale fluorescence imaging of biological ultrastructure via molecular anchoring and physical expansion. Nano Convergence, 2022, 9, .	12.1	5
15	Sonofragmentation of Ultrathin 1D Nanomaterials. Particle and Particle Systems Characterization, 2017, 34, 1600339.	2.3	4
16	Multiplexed neural recording along a single optical fiber via optical reflectometry. Journal of Biomedical Optics, 2016, 21, 057003.	2.6	3
17	Light-Sheet Fluorescence Microscopy for Multiscale Biological Imaging. , 2021, , 373-382.		0
18	Confocal Bessel Beam Light-sheet and Expansion Microscopy for Axonal Connectomics of Mammalian Brains. , 2021, , .		0