

Suliana Manley

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

7,328
citations

38
h-index

85
g-index

102
ext. papers

8,867
ext. citations

10.1
avg, IF

5.82
L-index

#	Paper	IF	Citations
85	High-density mapping of single-molecule trajectories with photoactivated localization microscopy. <i>Nature Methods</i> , 2008 , 5, 155-7	21.6	895
84	Interferometric fluorescent super-resolution microscopy resolves 3D cellular ultrastructure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3125-30	11.5	686
83	A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins. <i>Nature Chemistry</i> , 2013 , 5, 132-9	17.6	607
82	Photoactivatable mCherry for high-resolution two-color fluorescence microscopy. <i>Nature Methods</i> , 2009 , 6, 153-9	21.6	468
81	Superresolution imaging using single-molecule localization. <i>Annual Review of Physical Chemistry</i> , 2010 , 61, 345-67	15.7	439
80	Universal aging features in the restructuring of fractal colloidal gels. <i>Physical Review Letters</i> , 2000 , 84, 2275-8	7.4	413
79	A role for actin arcs in the leading-edge advance of migrating cells. <i>Nature Cell Biology</i> , 2011 , 13, 371-81	23.4	265
78	Quantitative evaluation of software packages for single-molecule localization microscopy. <i>Nature Methods</i> , 2015 , 12, 717-24	21.6	247
77	Functional nanoscale organization of signaling molecules downstream of the T cell antigen receptor. <i>Immunity</i> , 2011 , 35, 705-20	32.3	229
76	Universal non-diffusive slow dynamics in aging soft matter. <i>Faraday Discussions</i> , 2003 , 123, 237-51; discussion 303-22, 419-21	3.6	228
75	High throughput 3D super-resolution microscopy reveals <i>Caulobacter crescentus</i> in vivo Z-ring organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4566-71	11.5	153
74	Putting super-resolution fluorescence microscopy to work. <i>Nature Methods</i> , 2009 , 6, 21-3	21.6	148
73	Optical measurement of cell membrane tension. <i>Physical Review Letters</i> , 2006 , 97, 218101	7.4	148
72	Glasslike arrest in spinodal decomposition as a route to colloidal gelation. <i>Physical Review Letters</i> , 2005 , 95, 238302	7.4	144
71	Resolution doubling in 3D-STORM imaging through improved buffers. <i>PLoS ONE</i> , 2013 , 8, e69004	3.7	124
70	Heterogeneity of AMPA receptor trafficking and molecular interactions revealed by superresolution analysis of live cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17052-7	11.5	109
69	FALCON: fast and unbiased reconstruction of high-density super-resolution microscopy data. <i>Scientific Reports</i> , 2014 , 4, 4577	4.9	90

68	Mechanosensitive Fluorescent Probes to Image Membrane Tension in Mitochondria, Endoplasmic Reticulum, and Lysosomes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3380-3384	16.4	89
67	Gravitational collapse of colloidal gels. <i>Physical Review Letters</i> , 2005 , 94, 218302	7.4	88
66	A role for mitotic bookmarking of SOX2 in pluripotency and differentiation. <i>Genes and Development</i> , 2016 , 30, 2538-2550	12.6	88
65	Super-resolution imaging of multiple cells by optimised flat-field epi-illumination. <i>Nature Photonics</i> , 2016 , 10, 705-708	33.9	87
64	Simple buffers for 3D STORM microscopy. <i>Biomedical Optics Express</i> , 2013 , 4, 885-99	3.5	82
63	TORC1 organized in inhibited domains (TOROIDS) regulate TORC1 activity. <i>Nature</i> , 2017 , 550, 265-269	50.4	76
62	Spinodal decomposition in a model colloid-polymer mixture in microgravity. <i>Physical Review Letters</i> , 2007 , 99, 205701	7.4	75
61	Distinct fission signatures predict mitochondrial degradation or biogenesis. <i>Nature</i> , 2021 , 593, 435-439	50.4	72
60	Nonuniversal velocity fluctuations of sedimenting particles. <i>Physical Review Letters</i> , 2002 , 89, 054501	7.4	71
59	Limits to gelation in colloidal aggregation. <i>Physical Review Letters</i> , 2004 , 93, 108302	7.4	67
58	Single-molecule localization microscopy. <i>Nature Reviews Methods Primers</i> , 2021 , 1,		67
57	Nanoscale spatial organization of the HoxD gene cluster in distinct transcriptional states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13964-9	11.5	66
56	A caged, localizable rhodamine derivative for superresolution microscopy. <i>ACS Chemical Biology</i> , 2012 , 7, 289-93	4.9	63
55	Mechanisms of HsSAS-6 assembly promoting centriole formation in human cells. <i>Journal of Cell Biology</i> , 2014 , 204, 697-712	7.3	59
54	Quantitative super-resolution imaging reveals protein stoichiometry and nanoscale morphology of assembling HIV-Gag virions. <i>Nano Letters</i> , 2012 , 12, 4705-10	11.5	54
53	Live-cell dSTORM of cellular DNA based on direct DNA labeling. <i>ChemBioChem</i> , 2012 , 13, 298-301	3.8	53
52	EZH2 oncogenic mutations drive epigenetic, transcriptional, and structural changes within chromatin domains. <i>Nature Genetics</i> , 2019 , 51, 517-528	36.3	52
51	Single-particle tracking photoactivated localization microscopy for mapping single-molecule dynamics. <i>Methods in Enzymology</i> , 2010 , 475, 109-20	1.7	50

50	Multicolor single-particle reconstruction of protein complexes. <i>Nature Methods</i> , 2018 , 15, 777-780	21.6	46
49	Arrested fluid-fluid phase separation in depletion systems: Implications of the characteristic length on gel formation and rheology. <i>Journal of Rheology</i> , 2010 , 54, 421-438	4.1	44
48	Multicolor single molecule tracking of stochastically active synthetic dyes. <i>Nano Letters</i> , 2012 , 12, 2619-2624	24.5	40
47	The telomeric DNA damage response occurs in the absence of chromatin decompaction. <i>Genes and Development</i> , 2017 , 31, 567-577	12.6	37
46	Live intracellular super-resolution imaging using site-specific stains. <i>ACS Chemical Biology</i> , 2013 , 8, 2643-2649	3.9	31
45	Waveguide-PAINT offers an open platform for large field-of-view super-resolution imaging. <i>Nature Communications</i> , 2019 , 10, 1267	17.4	30
44	3D high-density localization microscopy using hybrid astigmatic/ biplane imaging and sparse image reconstruction. <i>Biomedical Optics Express</i> , 2014 , 5, 3935-48	3.5	29
43	In Situ Characterization of Bak Clusters Responsible for Cell Death Using Single Molecule Localization Microscopy. <i>Scientific Reports</i> , 2016 , 6, 27505	4.9	28
42	PALMsiever: a tool to turn raw data into results for single-molecule localization microscopy. <i>Bioinformatics</i> , 2015 , 31, 797-8	7.2	25
41	Super-resolution microscopy to decipher multi-molecular assemblies. <i>Current Opinion in Structural Biology</i> , 2018 , 49, 169-176	8.1	25
40	Correction of a Depth-Dependent Lateral Distortion in 3D Super-Resolution Imaging. <i>PLoS ONE</i> , 2015 , 10, e0142949	3.7	24
39	Single-molecule dynamics and genome-wide transcriptomics reveal that NF- κ B (p65)-DNA binding times can be decoupled from transcriptional activation. <i>PLoS Genetics</i> , 2019 , 15, e1007891	6	23
38	Crystalline protein domains and lipid bilayer vesicle shape transformations. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 880-5	3.4	19
37	Homogeneous multifocal excitation for high-throughput super-resolution imaging. <i>Nature Methods</i> , 2020 , 17, 726-733	21.6	18
36	Influenza A viruses use multivalent sialic acid clusters for cell binding and receptor activation. <i>PLoS Pathogens</i> , 2020 , 16, e1008656	7.6	18
35	A starter kit for point-localization super-resolution imaging. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 813-21	9.7	18
34	Mitochondrial RNA granules are fluid condensates positioned by membrane dynamics. <i>Nature Cell Biology</i> , 2020 , 22, 1180-1186	23.4	18
33	Modularity and determinants of a (bi-)polarization control system from free-living and obligate intracellular bacteria. <i>ELife</i> , 2016 , 5,	8.9	16

32	Multi-phosphorylation reaction and clustering tune Pom1 gradient mid-cell levels according to cell size. <i>ELife</i> , 2019 , 8,	8.9	16
31	Sorting of streptavidin protein coats on phase-separating model membranes. <i>Biophysical Journal</i> , 2008 , 95, 2301-7	2.9	15
30	Visualizing the HoxD Gene Cluster at the Nanoscale Level. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015 , 80, 9-16	3.9	14
29	Functional dichotomy and distinct nanoscale assemblies of a cell cycle-controlled bipolar zinc-finger regulator. <i>ELife</i> , 2016 , 5,	8.9	14
28	Reduced dyes enhance single-molecule localization density for live superresolution imaging. <i>ChemPhysChem</i> , 2014 , 15, 750-5	3.2	13
27	Constriction Rate Modulation Can Drive Cell Size Control and Homeostasis in <i>C. crescentus</i> . <i>IScience</i> , 2018 , 4, 180-189	6.1	13
26	Strategies for increasing the throughput of super-resolution microscopies. <i>Current Opinion in Chemical Biology</i> , 2019 , 51, 84-91	9.7	12
25	Making giant unilamellar vesicles via hydration of a lipid film. <i>Current Protocols in Cell Biology</i> , 2008 , Chapter 24, Unit 24.3	2.3	12
24	Autonomous illumination control for localization microscopy. <i>Optics Express</i> , 2018 , 26, 30882-30900	3.3	11
23	A Quantitative Approach to Evaluate the Impact of Fluorescent Labeling on Membrane-Bound HIV-Gag Assembly by Titration of Unlabeled Proteins. <i>PLoS ONE</i> , 2014 , 9, e115095	3.7	7
22	Mitochondrial membrane tension governs fission. <i>Cell Reports</i> , 2021 , 35, 108947	10.6	7
21	The Human RNA Helicase DDX21 Presents a Dimerization Interface Necessary for Helicase Activity. <i>IScience</i> , 2020 , 23, 101811	6.1	6
20	Waveguide-Based Platform for Large-FOV Imaging of Optically Active Defects in 2D Materials. <i>ACS Photonics</i> , 2019 , 6, 3100-3107	6.3	5
19	Fast live cell imaging at nanometer scale using annihilating filter-based low-rank Hankel matrix approach 2015 ,		4
18	Characterization of flat-fielding systems for quantitative microscopy. <i>Optics Express</i> , 2020 , 28, 22036-22048	9.9	4
17	Single particle maximum likelihood reconstruction from superresolution microscopy images. <i>PLoS ONE</i> , 2017 , 12, e0172943	3.7	3
16	Mitochondrial membrane tension governs fission		3
15	Experimental Combination of Super-Resolution Optical Fluctuation Imaging with Structured Illumination Microscopy for Large Fields-of-View. <i>ACS Photonics</i> , 2021 , 8, 2440-2449	6.3	3

14	A PSF-based approach to Biplane calibration in 3D super-resolution microscopy 2012 ,		2
13	Aging of Soft Glassy Materials Probed by Rheology and Light Scattering. <i>ACS Symposium Series</i> , 2003 , 161-176	0.4	2
12	Flipper Probes for the Community.. <i>Chimia</i> , 2021 , 75, 1004-1011	1.3	2
11	Distinct molecular signatures of fission predict mitochondrial degradation or proliferation		2
10	Constriction rate modulation can drive cell size control and homeostasis in <i>C. crescentus</i>		2
9	Influenza A viruses use multivalent sialic acid clusters for cell binding and receptor activation		2
8	Nanoscale organization of the endogenous ASC speck		2
7	Continuous localization using sparsity constraints for high-density super-resolution microscopy 2013 ,		1
6	Event-driven acquisition for content-enriched microscopy		1
5	Photoactivated Localization Microscopy for Cellular Imaging. <i>NeuroMethods</i> , 2014 , 87-111	0.4	1
4	Nanoscale pattern extraction from relative positions of sparse 3D localisations		1
3	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. <i>Nano Letters</i> , 2021 , 21, 1213-1220	11.5	0
2	25 Anniversary of STED Microscopy and the 20 Anniversary of SIM: feature introduction. <i>Biomedical Optics Express</i> , 2020 , 11, 1707-1711	3.5	
1	High-Throughput Super-Resolution Microscopy for Reconstructing Molecular Architecture. <i>Microscopy and Microanalysis</i> , 2021 , 27, 852-853	0.5	