

Steven F Lee

List of Publications by Citations

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Version: 2024-04-18

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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.

48 papers	1,987 citations	23 h-index	44 g-index
55 ext. papers	2,684 ext. citations	10.2 avg, IF	4.57 L-index

#	Paper	IF	Citations
48	3D structures of individual mammalian genomes studied by single-cell Hi-C. <i>Nature</i> , 2017 , 544, 59-64	50.4	485
47	Initiation of T cell signaling by CD45 segregation at close contacts. <i>Nature Immunology</i> , 2016 , 17, 574-582	39.1	160
46	Brightening, blinking, bluing and bleaching in the life of a quantum dot: friend or foe?. <i>ChemPhysChem</i> , 2009 , 10, 2174-91	3.2	134
45	Single-molecule visualization of DNA G-quadruplex formation in live cells. <i>Nature Chemistry</i> , 2020 , 12, 832-837	17.6	112
44	Multi-dimensional super-resolution imaging enables surface hydrophobicity mapping. <i>Nature Communications</i> , 2016 , 7, 13544	17.4	97
43	Single-Molecule Imaging of Individual Amyloid Protein Aggregates in Human Biofluids. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 399-406	5.7	75
42	Super-resolution imaging of the nucleoid-associated protein HU in <i>Caulobacter crescentus</i> . <i>Biophysical Journal</i> , 2011 , 100, L31-3	2.9	75
41	PSD95 nanoclusters are postsynaptic building blocks in hippocampus circuits. <i>Scientific Reports</i> , 2016 , 6, 24626	4.9	73
40	Ultrasensitive Measurement of Ca Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7750-7754	16.4	51
39	Control of actin polymerization via the coincidence of phosphoinositides and high membrane curvature. <i>Journal of Cell Biology</i> , 2017 , 216, 3745-3765	7.3	50
38	Improved super-resolution microscopy with oxazine fluorophores in heavy water. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8948-51	16.4	47
37	Nanobodies raised against monomeric α -synuclein inhibit fibril formation and destabilize toxic oligomeric species. <i>BMC Biology</i> , 2017 , 15, 57	7.3	46
36	A microfluidic platform for trapping, releasing and super-resolution imaging of single cells. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 680-691	8.5	43
35	Mapping Surface Hydrophobicity of β -Synuclein Oligomers at the Nanoscale. <i>Nano Letters</i> , 2018 , 18, 7494-7501	11.5	42
34	Capturing resting T cells: the perils of PLL. <i>Nature Immunology</i> , 2018 , 19, 203-205	19.1	38
33	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. <i>Cell Reports</i> , 2019 , 27, 3124-3138.e13	13.8	37
32	A cell topography-based mechanism for ligand discrimination by the T cell receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14002-14010	11.5	31

31	Quantification of DNA-associated proteins inside eukaryotic cells using single-molecule localization microscopy. <i>Nucleic Acids Research</i> , 2014 , 42, e146	20.1	28
30	Optical Structural Analysis of Individual β -Synuclein Oligomers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4886-4890	16.4	27
29	Three-Dimensional Super-Resolution in Eukaryotic Cells Using the Double-Helix Point Spread Function. <i>Biophysical Journal</i> , 2017 , 112, 1444-1454	2.9	26
28	Rational design of a conformation-specific antibody for the quantification of A β oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13509-13518	11.5	26
27	Receptor Quaternary Organization Explains GPCR Protein-Coupled Receptor Family Structure. <i>Cell Reports</i> , 2017 , 20, 2654-2665	10.6	26
26	Spectrally Resolved Photodynamics of Individual Emitters in Large-Area Monolayers of Hexagonal Boron Nitride. <i>ACS Nano</i> , 2019 , 13, 4538-4547	16.7	24
25	FRET-enhanced photostability allows improved single-molecule tracking of proteins and protein complexes in live mammalian cells. <i>Nature Communications</i> , 2018 , 9, 2520	17.4	23
24	Nanoscopic Characterisation of Individual Endogenous Protein Aggregates in Human Neuronal Cells. <i>ChemBioChem</i> , 2018 , 19, 2033-2038	3.8	21
23	Referenced Single-Molecule Measurements Differentiate between GPCR Oligomerization States. <i>Biophysical Journal</i> , 2015 , 109, 1798-806	2.9	20
22	Single-Molecule Light-Sheet Imaging of Suspended T Cells. <i>Biophysical Journal</i> , 2018 , 114, 2200-2211	2.9	19
21	A randomized control trial evaluating fluorescent ink versus dark ink tattoos for breast radiotherapy. <i>British Journal of Radiology</i> , 2016 , 89, 20160288	3.4	19
20	ThX - a next-generation probe for the early detection of amyloid aggregates. <i>Chemical Science</i> , 2020 , 11, 4578-4583	9.4	18
19	Virtual Light-sheet Single-molecule localisation microscopy enables quantitative optical sectioning for super-resolution imaging. <i>PLoS ONE</i> , 2015 , 10, e0125438	3.7	13
18	Wild-type sTREM2 blocks A β aggregation and neurotoxicity, but the Alzheimer's R47H mutant increases A β aggregation. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100631	5.4	13
17	PEGylated liposomes associate with Wnt3A protein and expand putative stem cells in human bone marrow populations. <i>Nanomedicine</i> , 2017 , 12, 845-863	5.6	12
16	Bifunctional fluorescent probes for detection of amyloid aggregates and reactive oxygen species. <i>Royal Society Open Science</i> , 2018 , 5, 171399	3.3	9
15	Combining fluorescence imaging with Hi-C to study 3D genome architecture of the same single cell. <i>Nature Protocols</i> , 2018 , 13, 1034-1061	18.8	9
14	CalQuo: automated, simultaneous single-cell and population-level quantification of global intracellular Ca ²⁺ responses. <i>Scientific Reports</i> , 2015 , 5, 16487	4.9	9

13	Sensitive light-sheet microscopy in multiwell plates using an AFM cantilever. <i>Biomedical Optics Express</i> , 2018 , 9, 5863-5880	3.5	8
12	vLUME: 3D virtual reality for single-molecule localization microscopy. <i>Nature Methods</i> , 2020 , 17, 1097-1099	9.6	7
11	Ultrasensitive Measurement of Ca ²⁺ Influx into Lipid Vesicles Induced by Protein Aggregates. <i>Angewandte Chemie</i> , 2017 , 129, 7858-7862	3.6	6
10	A Comparative Photophysical Study of Structural Modifications of Thioflavin T-Inspired Fluorophores. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8406-8416	6.4	6
9	Single-Molecule Imaging of Wnt3A Protein Diffusion on Living Cell Membranes. <i>Biophysical Journal</i> , 2017 , 113, 2762-2767	2.9	5
8	Live-cell 3D single-molecule tracking reveals how NuRD modulates enhancer dynamics		4
7	Single-molecule fluorescence detection of a tricyclic nucleoside analogue. <i>Chemical Science</i> , 2020 , 12, 2623-2628	9.4	4
6	Verbesserte hochauflösende Mikroskopie mit Oxazinfarbstoffen in schwerem Wasser. <i>Angewandte Chemie</i> , 2013 , 125, 9117-9120	3.6	2
5	The Costs of Close Contacts: Visualizing the Energy Landscape of Cell Contacts at the Nanoscale. <i>Biophysical Journal</i> , 2020 , 118, 1261-1269	2.9	1
4	vLUME: 3D Virtual Reality for Single-molecule Localization Microscopy		1
3	Hyperphosphorylated tau self-assembles into amorphous aggregates eliciting TLR4-dependent responses.. <i>Nature Communications</i> , 2022 , 13, 2692	17.4	1
2	Optical Structural Analysis of Individual Eynuclein Oligomers. <i>Angewandte Chemie</i> , 2018 , 130, 4980-4984	3.6	
1	Weighing one protein with light. <i>Science</i> , 2018 , 360, 378-379	33.3	