

Jennifer Lippincott-Schwartz

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6511642/jennifer-lippincott-schwartz-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

135
papers

28,442
citations

66
h-index

147
g-index

147
ext. papers

33,534
ext. citations

18.2
avg, IF

7.04
L-index

#	Paper	IF	Citations
135	ER proteins decipher the tubulin code to regulate organelle distribution.. <i>Nature</i> , 2021 ,	50.4	10
134	Whole-cell organelle segmentation in volume electron microscopy. <i>Nature</i> , 2021 , 599, 141-146	50.4	13
133	An open-access volume electron microscopy atlas of whole cells and tissues. <i>Nature</i> , 2021 , 599, 147-151	50.4	12
132	Actin cables and comet tails organize mitochondrial networks in mitosis. <i>Nature</i> , 2021 , 591, 659-664	50.4	23
131	ER-to-Golgi protein delivery through an interwoven, tubular network extending from ER. <i>Cell</i> , 2021 , 184, 2412-2429.e16	56.2	27
130	A General Method to Improve Fluorophores Using Deuterated Auxochromes. <i>Jacs Au</i> , 2021 , 1, 690-696		17
129	Lipid droplets in the nervous system. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	13
128	RNA transport and local translation in neurodevelopmental and neurodegenerative disease. <i>Nature Neuroscience</i> , 2021 , 24, 622-632	25.5	21
127	YAP1 nuclear efflux and transcriptional reprogramming follow membrane diminution upon VSV-G-induced cell fusion. <i>Nature Communications</i> , 2021 , 12, 4502	17.4	0
126	Biomolecular Condensates and Their Links to Cancer Progression. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 535-549	10.3	14
125	Activity-dependent Golgi satellite formation in dendrites reshapes the neuronal surface glycoproteome. <i>ELife</i> , 2021 , 10,	8.9	2
124	Image-based pooled whole-genome CRISPRi screening for subcellular phenotypes. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	18
123	Mechanisms of procollagen and HSP47 sorting during ER-to-Golgi trafficking. <i>Matrix Biology</i> , 2020 , 93, 79-94	11.4	14
122	ER membranes exhibit phase behavior at sites of organelle contact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7225-7235	11.5	63
121	Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. <i>Science</i> , 2020 , 367,	33.3	138
120	In situ differentiation of iridophore crystallotypes underlies zebrafish stripe patterning. <i>Nature Communications</i> , 2020 , 11, 6391	17.4	17
119	Revisiting Membrane Microdomains and Phase Separation: A Viral Perspective. <i>Viruses</i> , 2020 , 12,	6.2	7

118	The evolution of a cell biologist. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2763-2767	3.5	
117	A general method to optimize and functionalize red-shifted rhodamine dyes. <i>Nature Methods</i> , 2020 , 17, 815-821	21.6	58
116	Rational Design of Fluorogenic and Spontaneously Blinking Labels for Super-Resolution Imaging. <i>ACS Central Science</i> , 2019 , 5, 1602-1613	16.8	66
115	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. <i>Cell</i> , 2019 , 179, 147-164.e20	56.2	158
114	Spastin tethers lipid droplets to peroxisomes and directs fatty acid trafficking through ESCRT-III. <i>Journal of Cell Biology</i> , 2019 , 218, 2583-2599	7.3	86
113	Fate plasticity and reprogramming in genetically distinct populations of leucophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11806-11811	11.5	25
112	NDP52 tunes cortical actin interaction with astral microtubules for accurate spindle orientation. <i>Cell Research</i> , 2019 , 29, 666-679	24.7	4
111	Neuron-Astrocyte Metabolic Coupling Protects against Activity-Induced Fatty Acid Toxicity. <i>Cell</i> , 2019 , 177, 1522-1535.e14	56.2	156
110	De novo design of tunable, pH-driven conformational changes. <i>Science</i> , 2019 , 364, 658-664	33.3	60
109	A lipid-based partitioning mechanism for selective incorporation of proteins into membranes of HIV particles. <i>Nature Cell Biology</i> , 2019 , 21, 452-461	23.4	52
108	A Neuron-Glia Co-culture System for Studying Intercellular Lipid Transport. <i>Current Protocols in Cell Biology</i> , 2019 , 84, e95	2.3	6
107	Phase separation of YAP reorganizes genome topology for long-term YAP target gene expression. <i>Nature Cell Biology</i> , 2019 , 21, 1578-1589	23.4	113
106	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019 , 363,	33.3	181
105	VPS4 is a dynamic component of the centrosome that regulates centrosome localization of β -tubulin, centriolar satellite stability and ciliogenesis. <i>Scientific Reports</i> , 2018 , 8, 3353	4.9	14
104	mTOR-dependent phosphorylation controls TFEB nuclear export. <i>Nature Communications</i> , 2018 , 9, 3312	17.4	133
103	Triggered Cell-Cell Fusion Assay for Cytoplasmic and Organelle Intermixing Studies. <i>Current Protocols in Cell Biology</i> , 2018 , 81, e61	2.3	1
102	MYC Induces a Hybrid Energetics Program Early in Cell Reprogramming. <i>Stem Cell Reports</i> , 2018 , 11, 1478-1492	17	
101	Noncanonical autophagy at ER exit sites regulates procollagen turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10099-E10108	11.5	84

100	Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. <i>Cell</i> , 2018 , 175, 1430-1442.e17	56.2	234
99	The Development and Enhancement of FRAP as a Key Tool for Investigating Protein Dynamics. <i>Biophysical Journal</i> , 2018 , 115, 1146-1155	2.9	24
98	Multispectral Live-Cell Imaging. <i>Current Protocols in Cell Biology</i> , 2018 , 79, e46	2.3	21
97	Monitoring the Effects of Pharmacological Reagents on Mitochondrial Morphology. <i>Current Protocols in Cell Biology</i> , 2018 , 79, e45	2.3	9
96	Interacting organelles. <i>Current Opinion in Cell Biology</i> , 2018 , 53, 84-91	9	92
95	Myosin VI facilitates connexin 43 gap junction accretion. <i>Journal of Cell Science</i> , 2017 , 130, 827-840	5.3	9
94	The nanoscale spatial organization of B-cell receptors on immunoglobulin M- and G-expressing human B-cells. <i>Molecular Biology of the Cell</i> , 2017 , 28, 511-523	3.5	28
93	Live cell single molecule-guided Bayesian localization super resolution microscopy. <i>Cell Research</i> , 2017 , 27, 713-716	24.7	14
92	Applying systems-level spectral imaging and analysis to reveal the organelle interactome. <i>Nature</i> , 2017 , 546, 162-167	50.4	511
91	Defects in ER-endosome contacts impact lysosome function in hereditary spastic paraplegia. <i>Journal of Cell Biology</i> , 2017 , 216, 1337-1355	7.3	101
90	Sonic hedgehog pathway activation increases mitochondrial abundance and activity in hippocampal neurons. <i>Molecular Biology of the Cell</i> , 2017 , 28, 387-395	3.5	22
89	Cell volume change through water efflux impacts cell stiffness and stem cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8618-E8627	11.5	215
88	Membrane dynamics and organelle biogenesis-lipid pipelines and vesicular carriers. <i>BMC Biology</i> , 2017 , 15, 102	7.3	40
87	Cortical actin recovery at the immunological synapse leads to termination of lytic granule secretion in cytotoxic T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6585-E6594	11.5	51
86	Rational Engineering of Photoconvertible Fluorescent Proteins for Dual-Color Fluorescence Nanoscopy Enabled by a Triplet-State Mechanism of Primed Conversion. <i>Angewandte Chemie</i> , 2017 , 129, 11786-11791	3.6	4
85	Immature HIV-1 lattice assembly dynamics are regulated by scaffolding from nucleic acid and the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10056-E10065	11.5	40
84	Rational Engineering of Photoconvertible Fluorescent Proteins for Dual-Color Fluorescence Nanoscopy Enabled by a Triplet-State Mechanism of Primed Conversion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11628-11633	16.4	27
83	AMPK and vacuole-associated Atg14p orchestrate lipophagy for energy production and long-term survival under glucose starvation. <i>ELife</i> , 2017 , 6,	8.9	92

82	Author response: AMPK and vacuole-associated Atg14p orchestrate lipophagy for energy production and long-term survival under glucose starvation 2017 ,		3
81	Bright photoactivatable fluorophores for single-molecule imaging. <i>Nature Methods</i> , 2016 , 13, 985-988	21.6	214
80	Increased spatiotemporal resolution reveals highly dynamic dense tubular matrices in the peripheral ER. <i>Science</i> , 2016 , 354,	33.3	255
79	Intravital Imaging Reveals Ghost Fibers as Architectural Units Guiding Myogenic Progenitors during Regeneration. <i>Cell Stem Cell</i> , 2016 , 18, 243-52	18	119
78	AMPK Activation Prevents and Reverses Drug-Induced Mitochondrial and Hepatocyte Injury by Promoting Mitochondrial Fusion and Function. <i>PLoS ONE</i> , 2016 , 11, e0165638	3.7	64
77	Fas/CD95 prevents autoimmunity independently of lipid raft localization and efficient apoptosis induction. <i>Nature Communications</i> , 2016 , 7, 13895	17.4	32
76	Deacetylation of nuclear LC3 drives autophagy initiation under starvation. <i>Molecular Cell</i> , 2015 , 57, 456-466	66.6	370
75	Fatty acid trafficking in starved cells: regulation by lipid droplet lipolysis, autophagy, and mitochondrial fusion dynamics. <i>Developmental Cell</i> , 2015 , 32, 678-92	10.2	480
74	AMPK-Dependent Phosphorylation of GAPDH Triggers Sirt1 Activation and Is Necessary for Autophagy upon Glucose Starvation. <i>Molecular Cell</i> , 2015 , 60, 930-40	17.6	155
73	Dynamin regulates metaphase furrow formation and plasma membrane compartmentalization in the syncytial <i>Drosophila</i> embryo. <i>Biology Open</i> , 2015 , 4, 301-11	2.2	15
72	Actin depletion initiates events leading to granule secretion at the immunological synapse. <i>Immunity</i> , 2015 , 42, 864-76	32.3	188
71	Dendrosomatic Sonic Hedgehog Signaling in Hippocampal Neurons Regulates Axon Elongation. <i>Journal of Neuroscience</i> , 2015 , 35, 16126-41	6.6	31
70	ER trapping reveals Golgi enzymes continually revisit the ER through a recycling pathway that controls Golgi organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6752-61	11.5	37
69	Cytokinetic Abscission: Timing the Separation. <i>Current Biology</i> , 2015 , 25, R722-4	6.3	1
68	A mitochondria-anchored isoform of the actin-nucleating spire protein regulates mitochondrial division. <i>ELife</i> , 2015 , 4,	8.9	171
67	Author response: A mitochondria-anchored isoform of the actin-nucleating spire protein regulates mitochondrial division 2015 ,		4
66	Lattice light-sheet microscopy: imaging molecules to embryos at high spatiotemporal resolution. <i>Science</i> , 2014 , 346, 1257998	33.3	1102
65	ER stress-induced clearance of misfolded GPI-anchored proteins via the secretory pathway. <i>Cell</i> , 2014 , 158, 522-33	56.2	105

64	Probing the stochastic, motor-driven properties of the cytoplasm using force spectrum microscopy. <i>Cell</i> , 2014 , 158, 822-832	56.2	339
63	Distribution of ESCRT machinery at HIV assembly sites reveals virus scaffolding of ESCRT subunits. <i>Science</i> , 2014 , 343, 653-6	33.3	141
62	LKB1/AMPK and PKA control ABCB11 trafficking and polarization in hepatocytes. <i>PLoS ONE</i> , 2014 , 9, e91921	3.7	38
61	Flat clathrin lattices: stable features of the plasma membrane. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3581-94	3.5	73
60	Probing protein heterogeneity in the plasma membrane using PALM and pair correlation analysis. <i>Nature Methods</i> , 2011 , 8, 969-75	21.6	435
59	Tubular network formation protects mitochondria from autophagosomal degradation during nutrient starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10190-5	11.5	742
58	An evolving paradigm for the secretory pathway?. <i>Molecular Biology of the Cell</i> , 2011 , 22, 3929-32	3.5	8
57	The long road: peering into live cells. <i>Nature Cell Biology</i> , 2010 , 12, 918	23.4	2
56	Lipids and cholesterol as regulators of traffic in the endomembrane system. <i>Annual Review of Biophysics</i> , 2010 , 39, 559-78	21.1	114
55	Mitochondria supply membranes for autophagosome biogenesis during starvation. <i>Cell</i> , 2010 , 141, 656-672	57.2	1036
54	Culturing MDCK cells in three dimensions for analyzing intracellular dynamics. <i>Current Protocols in Cell Biology</i> , 2009 , Chapter 4, Unit 4.22	2.3	38
53	Photoactivatable fluorescent proteins for diffraction-limited and super-resolution imaging. <i>Trends in Cell Biology</i> , 2009 , 19, 555-65	18.3	270
52	Putting super-resolution fluorescence microscopy to work. <i>Nature Methods</i> , 2009 , 6, 21-3	21.6	148
51	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
50	Midbody targeting of the ESCRT machinery by a noncanonical coiled coil in CEP55. <i>FASEB Journal</i> , 2009 , 23, 864.1	0.9	
49	Structural basis for midbody targeting of spastin by the ESCRT-III protein CHMP1B. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 1278-86	17.6	188
48	High-density mapping of single-molecule trajectories with photoactivated localization microscopy. <i>Nature Methods</i> , 2008 , 5, 155-7	21.6	895
47	Transport through the Golgi apparatus by rapid partitioning within a two-phase membrane system. <i>Cell</i> , 2008 , 133, 1055-67	56.2	226

46	Fluorescent proteins for photoactivation experiments. <i>Methods in Cell Biology</i> , 2008 , 85, 45-61	1.8	76
45	DEVELOPING PHOTOACTIVATED LOCALIZATION MICROSCOPY (PALM) 2007 ,		1
44	Nucleocytoplasmic shuttling mediates the dynamic maintenance of nuclear Dorsal levels during <i>Drosophila</i> embryogenesis. <i>Development (Cambridge)</i> , 2007 , 134, 4233-41	6.6	64
43	Insights into COPI coat assembly and function in living cells. <i>Trends in Cell Biology</i> , 2006 , 16, e1-4	18.3	41
42	Golgi inheritance in mammalian cells is mediated through endoplasmic reticulum export activities. <i>Molecular Biology of the Cell</i> , 2006 , 17, 990-1005	3.5	98
41	The origin and maintenance of mammalian peroxisomes involves a de novo PEX16-dependent pathway from the ER. <i>Journal of Cell Biology</i> , 2006 , 173, 521-32	7.3	258
40	The secretory membrane system in the <i>Drosophila</i> syncytial blastoderm embryo exists as functionally compartmentalized units around individual nuclei. <i>Journal of Cell Biology</i> , 2006 , 173, 219-307	7.3	65
39	Monitoring chaperone engagement of substrates in the endoplasmic reticulum of live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6536-41	11.5	89
38	Imaging intracellular fluorescent proteins at nanometer resolution. <i>Science</i> , 2006 , 313, 1642-5	33.3	5929
37	ArfGAP1 dynamics and its role in COPI coat assembly on Golgi membranes of living cells. <i>Journal of Cell Biology</i> , 2005 , 168, 1053-63	7.3	80
36	Dynamics of GBF1, a Brefeldin A-sensitive Arf1 exchange factor at the Golgi. <i>Molecular Biology of the Cell</i> , 2005 , 16, 1213-22	3.5	190
35	Molecular basis for Golgi maintenance and biogenesis. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 364-72	9	133
34	Dynamics of secretory membrane trafficking. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1038, 115-24	6.5	17
33	Measuring protein mobility by photobleaching GFP chimeras in living cells. <i>Current Protocols in Cell Biology</i> , 2003 , Chapter 21, Unit 21.1	2.3	85
32	Development and use of fluorescent protein markers in living cells. <i>Science</i> , 2003 , 300, 87-91	33.3	832
31	Photobleaching and photoactivation: following protein dynamics in living cells. <i>Nature Cell Biology</i> , 2003 , Suppl, S7-14	23.4	153
30	Dissection of COPI and Arf1 dynamics in vivo and role in Golgi membrane transport. <i>Nature</i> , 2002 , 417, 187-93	50.4	219
29	A photoactivatable GFP for selective photolabeling of proteins and cells. <i>Science</i> , 2002 , 297, 1873-7	33.3	1339

28	Role of Grb2 in EGF-stimulated EGFR internalization. <i>Journal of Cell Science</i> , 2002 , 115, 1791-1802	5.3	95
27	The secretory membrane system studied in real-time. Robert Feulgen Prize Lecture, 2001. <i>Histochemistry and Cell Biology</i> , 2001 , 116, 97-107	2.4	19
26	Studying protein dynamics in living cells. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 444-56	48.7	992
25	Nuclear pore complexes form immobile networks and have a very low turnover in live mammalian cells. <i>Journal of Cell Biology</i> , 2001 , 154, 71-84	7.3	340
24	Maintenance of Golgi structure and function depends on the integrity of ER export. <i>Journal of Cell Biology</i> , 2001 , 155, 557-70	7.3	353
23	Rapid cycling of lipid raft markers between the cell surface and Golgi complex. <i>Journal of Cell Biology</i> , 2001 , 153, 529-41	7.3	462
22	Cell cycle maintenance and biogenesis of the Golgi complex. <i>Histochemistry and Cell Biology</i> , 2000 , 114, 93-103	2.4	44
21	Secretory protein trafficking and organelle dynamics in living cells. <i>Annual Review of Cell and Developmental Biology</i> , 2000 , 16, 557-89	12.6	398
20	Diffusion in inhomogeneous media: theory and simulations applied to whole cell photobleach recovery. <i>Biophysical Journal</i> , 2000 , 79, 1761-70	2.9	114
19	Dynamics and retention of misfolded proteins in native ER membranes. <i>Nature Cell Biology</i> , 2000 , 2, 288-94	2.4	232
18	A Bromodomain Protein, MCAP, Associates with Mitotic Chromosomes and Affects G2-to-M Transition. <i>Molecular and Cellular Biology</i> , 2000 , 20, 6537-6549	4.8	3
17	Secretory pathway kinetics and in vivo analysis of protein traffic from the Golgi complex to the cell surface. <i>FASEB Journal</i> , 1999 , 13 Suppl 2, S251-6	0.9	33
16	Golgi membranes are absorbed into and reemerge from the ER during mitosis. <i>Cell</i> , 1999 , 99, 589-601	56.2	295
15	Kinetic analysis of secretory protein traffic and characterization of golgi to plasma membrane transport intermediates in living cells. <i>Journal of Cell Biology</i> , 1998 , 143, 1485-503	7.3	510
14	Golgi tubule traffic and the effects of brefeldin A visualized in living cells. <i>Journal of Cell Biology</i> , 1997 , 139, 1137-55	7.3	422
13	Nuclear membrane dynamics and reassembly in living cells: targeting of an inner nuclear membrane protein in interphase and mitosis. <i>Journal of Cell Biology</i> , 1997 , 138, 1193-206	7.3	667
12	ER-to-Golgi transport visualized in living cells. <i>Nature</i> , 1997 , 389, 81-5	50.4	947
11	A recycling pathway between the endoplasmic reticulum and the Golgi apparatus for retention of unassembled MHC class I molecules. <i>Nature</i> , 1991 , 352, 441-4	50.4	172

10	Brefeldin A effects on endosomes, lysosomes, and the TGN suggest a general mechanism for regulating organelle structure and membrane traffic. <i>Cell</i> , 1991 , 67, 601-16	56.2	765
9	An open-access volume electron microscopy atlas of whole cells and tissues		3
8	Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution		1
7	Correlative three-dimensional super-resolution and block face electron microscopy of whole vitreously frozen cells		2
6	Optimization and functionalization of red-shifted rhodamine dyes		2
5	Label-free single-instance protein detection in vitrified cells		5
4	Deuteration improves small-molecule fluorophores		2
3	Automatic whole cell organelle segmentation in volumetric electron microscopy		6
2	Spastin tethers lipid droplets to peroxisomes and directs fatty acid trafficking through ESCRT-III		2
1	Oligodendrocyte precursor cells prune axons in the mouse neocortex		5