Sanford M Simon

List of Publications by Year
in descending order

135 papers	12,826 citations	38742 50 h-index	24258 110 g-index
155 all docs	155 docs citations	155 times ranked	13852 citing authors

#	Article	IF	Citations
1	Human liver organoids for disease modeling of fibrolamellar carcinoma. Stem Cell Reports, 2022, , .	4.8	8
2	Defective internal allosteric network imparts dysfunctional ATP/substrate-binding cooperativity in oncogenic chimera of protein kinase A. Communications Biology, 2021, 4, 321.	4.4	21
3	Morphologic and Molecular Findings in Myxoid Hepatic Adenomas. American Journal of Surgical Pathology, 2021, 45, 1098-1107.	3.7	12
4	Identification of Novel Therapeutic Targets for Fibrolamellar Carcinoma Using Patient-Derived Xenografts and Direct-from-Patient Screening. Cancer Discovery, 2021, 11, 2544-2563.	9.4	27
5	Microscope Enclosure for Temperature Regulation and Light Isolation. Applied Sciences (Switzerland), 2021, 11, 6812.	2.5	0
6	RetroCHMP3 blocks budding of enveloped viruses without blocking cytokinesis. Cell, 2021, 184, 5419-5431.e16.	28.9	8
7	A Human Organoid Model of Aggressive Hepatoblastoma for Disease Modeling and Drug Testing. Cancers, 2020, 12, 2668.	3.7	37
8	Stem cell-derived polarized hepatocytes. Nature Communications, 2020, 11, 1677.	12.8	60
9	Ca2+ transients in melanocyte dendrites and dendritic spine-like structures evoked by cell-to-cell signaling. Journal of Cell Biology, 2020, 219, .	5.2	13
10	Structural analyses of the PKA RIIÎ² holoenzyme containing the oncogenic DnaJB1-PKAc fusion protein reveal protomer asymmetry and fusion-induced allosteric perturbations in fibrolamellar hepatocellular carcinoma. PLoS Biology, 2020, 18, e3001018.	5.6	22
11	Conformation of the nuclear pore in living cells is modulated by transport state. ELife, 2020, 9, .	6.0	19
12	Title is missing!. , 2020, 18, e3001018.		0
13	Title is missing!. , 2020, 18, e3001018.		0
14	Title is missing!. , 2020, 18, e3001018.		0
15	Title is missing!. , 2020, 18, e3001018.		0
16	Title is missing!. , 2020, 18, e3001018.		0
17	Title is missing!. , 2020, 18, e3001018.		0
18	Structures of the PKA RIÎ± Holoenzyme with the FLHCC Driver J-PKAcÎ± or Wild-Type PKAcÎ±. Structure, 2019, 27, 816-828.e4.	3.3	27

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19	Escherichia coli as a platform for the study of phosphoinositide biology. Science Advances, 2019, 5, eaat4872.	10.3	12
20	Video abstracts and plain language summaries are more effective than graphical abstracts and published abstracts. PLoS ONE, 2019, 14, e0224697.	2.5	36
21	Title is missing!. , 2019, 14, e0224697.		0
22	Title is missing!. , 2019, 14, e0224697.		0
23	Title is missing!. , 2019, 14, e0224697.		0
24	Title is missing!. , 2019, 14, e0224697.		0
25	Title is missing!. , 2019, 14, e0224697.		0
26	Title is missing!. , 2019, 14, e0224697.		0
27	Fibrolamellar Carcinoma: Recent Advances and Unresolved Questions on the Molecular Mechanisms. Seminars in Liver Disease, 2018, 38, 051-059.	3.6	46
28	Conformational Landscape of the PRKACA-DNAJB1 Chimeric Kinase, the Driver for Fibrolamellar Hepatocellular Carcinoma. Scientific Reports, 2018, 8, 720.	3.3	23
29	Intracranial metastasis in fibrolamellar hepatocellular carcinoma. Pediatric Blood and Cancer, 2018, 65, e26919.	1.5	4
30	GÃ¼nter Blobel (1936â€“2018). Cell, 2018, 173, 278-280.	28.9	0
31	Recruitment of 7SL RNA to assembling HIVâ€1 virusâ€like particles. Traffic, 2018, 19, 36-43.	2.7	10
32	Fibrolamellar carcinoma in the Carney complex: PRKAR1A loss instead of the classic DNAJB1â€PRKACA fusion. Hepatology, 2018, 68, 1441-1447.	7.3	48
33	Sequencing the peripheral blood B and T cell repertoire â€“ Quantifying robustness and limitations. Journal of Immunological Methods, 2018, 463, 137-147.	1.4	9
34	Timing of ESCRT-III protein recruitment and membrane scission during HIV-1 assembly. ELife, 2018, 7, .	6.0	64
35	GÃ¼nter Blobel (1936â€“ï»¿2018). Nature, 2018, 556, 32-32.	27.8	3
36	Modeling the dynamics and kinetics of HIV-1 Gag during viral assembly. PLoS ONE, 2018, 13, e0196133.	2.5	11

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37	Non coding RNA analysis in fibrolamellar hepatocellular carcinoma. Oncotarget, 2018, 9, 10211-10227.	1.8	24
38	Green fluorescent proteinâ€tagged apolipoprotein E: A useful marker for the study of hepatic lipoprotein egress. Traffic, 2017, 18, 192-204.	2.7	9
39	Differential Regulation of Lipoprotein and Hepatitis C Virus Secretion by Rab1b. Cell Reports, 2017, 21, 431-441.	6.4	28
40	A coarse-grained computational model of the nuclear pore complex predicts Phe-Gly nucleoporin dynamics. Journal of General Physiology, 2017, 149, 951-966.	1.9	8
41	DNAJB1â€"PRKACA fusion kinase interacts with Î²-catenin and the liver regenerative response to drive fibrolamellar hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13076-13084.	7.1	125
42	Readily Accessible Multiplane Microscopy: <scp>3D</scp> Tracking the <scp>HIV</scp>â€1 Genome in Living Cells. Traffic, 2016, 17, 179-186.	2.7	11
43	Injured astrocytes are repaired by Synaptotagmin XI-regulated lysosome exocytosis. Cell Death and Differentiation, 2016, 23, 596-607.	11.2	34
44	The genomic landscape of fibrolamellar hepatocellular carcinoma: whole genome sequencing of ten patients. Oncotarget, 2015, 6, 755-770.	1.8	59
45	Imaging Live Cells Using Quantum Dots. Cold Spring Harbor Protocols, 2015, 2015, pdb.top086322.	0.3	7
46	Real-time fluorescence imaging with 20â€‰nm axial resolution. Nature Communications, 2015, 6, 8307.	12.8	20
47	Transcriptomic characterization of fibrolamellar hepatocellular carcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5916-25.	7.1	103
48	APP intracellular domainâ€"WAVE1 pathway reduces amyloid-Î² production. Nature Medicine, 2015, 21, 1054-1059.	30.7	31
49	Temporal and spatial organization of ESCRT protein recruitment during HIV-1 budding. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12211-12216.	7.1	93
50	Detection of a Recurrent DNAJB1-PRKACA Chimeric Transcript in Fibrolamellar Hepatocellular Carcinoma. Science, 2014, 343, 1010-1014.	12.6	388
51	S100A11 is required for efficient plasma membrane repair and survival of invasive cancer cells. Nature Communications, 2014, 5, 3795.	12.8	175
52	Polarization-Controlled TIRFM with Focal Drift and Spatial Field Intensity Correction. Biophysical Journal, 2014, 106, 1008-1019.	0.5	26
53	Endogenous Antibodies for Tumor Detection. Scientific Reports, 2014, 4, 5088.	3.3	7
54	Belling the Catâ€"Tagging Live Cells with Quantum Dots. Clinical Chemistry, 2013, 59, 995-996.	3.2	2

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55	Conserved Spatial Organization of FG Domains in the Nuclear Pore Complex. Biophysical Journal, 2013, 104, 37-50.	0.5	31
56	Dynamics of clathrin-mediated endocytosis and its requirement for organelle biogenesis in Dictyostelium. Journal of Cell Science, 2012, 125, 5721-5732.	2.0	20
57	Total Internal Reflection Fluorescence (TIRF) Microscopy Illuminator for Improved Imaging of Cell Surface Events. Current Protocols in Cytometry, 2012, 61, Unit 12.29.	3.7	27
58	Protein Domain Organization in the Nuclear Pore Complex Studied by Fluorescence Anisotropy. Biophysical Journal, 2011, 100, 139a-140a.	0.5	0
59	Visualizing HIV-1 Assembly. Journal of Molecular Biology, 2011, 410, 501-511.	4.2	73
60	Imaging Single Endocytic Events Reveals Diversity in Clathrin, Dynamin and Vesicle Dynamics. Traffic, 2011, 12, 1394-1406.	2.7	26
61	Dynamics of ESCRT protein recruitment during retroviral assembly. Nature Cell Biology, 2011, 13, 394-401.	10.3	198
62	Mapping the orientation of nuclear pore proteins in living cells with polarized fluorescence microscopy. Nature Structural and Molecular Biology, 2011, 18, 643-649.	8.2	81
63	Simulations of nuclear pore transport yield mechanistic insights and quantitative predictions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E351-8.	7.1	71
64	Imaging with total internal reflection fluorescence microscopy for the cell biologist. Journal of Cell Science, 2010, 123, 3621-3628.	2.0	306
65	Fluorescence Anisotropy Reveals Order and Disorder of Protein Domains in the Nuclear Pore Complex. Biophysical Journal, 2010, 99, 1706-1717.	0.5	54
66	Viral Houseguests Undertake Interior Redesign. Cell, 2010, 141, 754-756.	28.9	2
67	Determinism and divergence of apoptosis susceptibility in mammalian cells. Journal of Cell Science, 2009, 122, 4296-4302.	2.0	29
68	Endocytic trafficking of activated EGFR is AP-2 dependent and occurs through preformed clathrin spots. Journal of Cell Science, 2009, 122, 1301-1305.	2.0	94
69	Imaging the interaction of HIV-1 genomes and Gag during assembly of individual viral particles. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19114-19119.	7.1	233
70	Partial internal reflections on total internal reflection fluorescent microscopy. Trends in Cell Biology, 2009, 19, 661-668.	7.9	24
71	Exocytosis of Post-Golgi Vesicles Is Regulated by Components of the Endocytic Machinery. Cell, 2009, 137, 1308-1319.	28.9	110
72	Spatial and Temporal Dynamics of Mitochondrial Membrane Permeability Waves during Apoptosis. Biophysical Journal, 2009, 97, 2222-2231.	0.5	44

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73	A Functional GFP Fusion for Imaging Clathrinâ€Mediated Endocytosis. Traffic, 2008, 9, 1250-1255.	2.7	21
74	Imaging the biogenesis of individual HIV-1 virions in live cells. Nature, 2008, 454, 236-240.	27.8	290
75	Golgi Governance: The Third Way. Cell, 2008, 133, 951-953.	28.9	4
76	The Multiple Mechanisms of Multidrug Resistance and Cellular pH. Novartis Foundation Symposium, 2008, 240, 269-289.	1.1	2
77	Dynamics of Dynamin during Clathrin Mediated Endocytosis in PC12 Cells. PLoS ONE, 2008, 3, e2416.	2.5	29
78	Optical Monitoring of Single Cells Using Quantum Dots. , 2007, 374, 93-104.		8
79	Studying Individual Events in Biology. Annual Review of Biochemistry, 2007, 76, 419-446.	11.1	28
80	Resolving vesicle fusion from lysis to monitor calcium-triggered lysosomal exocytosis in astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14151-14156.	7.1	83
81	Quantum dot-based sensor for improved detection of apoptotic cells. Nanomedicine, 2007, 2, 71-78.	3.3	18
82	Imaging single events at the cell membrane. , 2007, 3, 92-98.		121
83	Patients with a Non-dysferlin Miyoshi Myopathy have a Novel Membrane Repair Defect. Traffic, 2007, 8, 77-88.	2.7	56
84	Dynamic Interaction of HIV-1 Nef with the Clathrin-Mediated Endocytic Pathway at the Plasma Membrane. Traffic, 2007, 8, 61-76.	2.7	44
85	The Conserved Isoleucine-Valine-Phenylalanine Motif Couples Activation State and Endocytic Functions of Î²-Arrestins. Traffic, 2007, 8, 914-931.	2.7	33
86	Plasma Membrane Is the Site of Productive HIV-1 Particle Assembly. PLoS Biology, 2006, 4, e435.	5.6	299
87	Dynamics of clathrin and adaptor proteins during endocytosis. American Journal of Physiology - Cell Physiology, 2006, 291, C1072-C1081.	4.6	59
88	Use of fluorescent quantum dots for studying live cells and organisms (Invited Paper). , 2005, , .		1
89	Analysis of the AP-2 Adaptor Complex and Cargo During Clathrin-Mediated Endocytosis. Traffic, 2005, 6, 539-547.	2.7	45
90	Receptor-mediated glutamate release from volume sensitive channels in astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16466-16471.	7.1	186

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91	Synthesis of Compact Multidentate Ligands to Prepare Stable Hydrophilic Quantum Dot Fluorophores. Journal of the American Chemical Society, 2005, 127, 3870-3878.	13.7	534
92	Synaptotagmin VII Restricts Fusion Pore Expansion during Lysosomal Exocytosis. PLoS Biology, 2004, 2, e233.	5.6	98
93	Understanding Living Clathrin-Coated Pits. Traffic, 2004, 5, 327-337.	2.7	76
94	Signal Sequence Cleavage of Peptidyl-tRNA Prior to Release from the Ribosome and Translocon. Journal of Biological Chemistry, 2004, 279, 24919-24922.	3.4	6
95	Imaging single membrane fusion events mediated by SNARE proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7311-7316.	7.1	155
96	Understanding Living Clathrin-Coated Pits. Traffic, 2004, 5, 327-337.	2.7	68
97	Tracking metastatic tumor cell extravasation with quantum dot nanocrystals and fluorescence emission-scanning microscopy. Nature Medicine, 2004, 10, 993-998.	30.7	669
98	Use of quantum dots for live cell imaging. Nature Methods, 2004, 1, 73-78.	19.0	314
99	Potentials and pitfalls of fluorescent quantum dots for biological imaging. Trends in Cell Biology, 2004, 14, 497-504.	7.9	497
100	Movement of Plasma-Membrane-Associated Clathrin Spots Along the Microtubule Cytoskeleton. Traffic, 2003, 4, 460-467.	2.7	48
101	Long-term multiple color imaging of live cells using quantum dot bioconjugates. Nature Biotechnology, 2003, 21, 47-51.	17.5	1,928
102	Three-dimensional analysis of post-Golgi carrier exocytosis in epithelial cells. Nature Cell Biology, 2003, 5, 126-136.	10.3	215
103	Total Internal Reflection Fluorescence Microscopy for Highâ€Resolution Imaging of Cellâ€Surface Events. Current Protocols in Cell Biology, 2003, 20, Unit 4.12.	2.3	10
104	Role of Microtubules in Fusion of Post-Golgi Vesicles to the Plasma Membrane. Molecular Biology of the Cell, 2003, 14, 1558-1569.	2.1	66
105	Subcellular Localization and Activity of Multidrug Resistance Proteins. Molecular Biology of the Cell, 2003, 14, 3389-3399.	2.1	167
106	Real-time analysis of clathrin-mediated endocytosis during cell migration. Journal of Cell Science, 2003, 116, 847-855.	2.0	156
107	Co-translational Targeting and Translocation of the Amino Terminus of Opsin across the Endoplasmic Membrane Requires GTP but Not ATP. Journal of Biological Chemistry, 2003, 278, 7920-7926.	3.4	8
108	The AP-2 Complex Is Excluded from the Dynamic Population of Plasma Membrane-associated Clathrin. Journal of Biological Chemistry, 2003, 278, 47357-47360.	3.4	61

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109	Migrating fibroblasts perform polarized, microtubule-dependent exocytosis towards the leading edge. Journal of Cell Science, 2003, 116, 4513-4519.	2.0	139
110	Membrane proximal lysosomes are the major vesicles responsible for calcium-dependent exocytosis in nonsecretory cells. Journal of Cell Biology, 2002, 159, 625-635.	5.2	328
111	The Amino Terminus of Opsin Translocates â€œPosttranslationallyâ€•as Efficiently as Cotranslationallyâ€. Biochemistry, 2002, 41, 7707-7715.	2.5	16
112	Glycosylation Affects the Rate of Traffic of the Shaker Potassium Channel through the Secretory Pathway. Biochemistry, 2002, 41, 11351-11361.	2.5	18
113	Translocation of Macromolecules across Membranes and Through Aqueous Channels. , 2002, , 37-66.		2
114	In vivo analysis of human multidrug resistance protein 1 (MRP1) activity using transient expression of fluorescently tagged MRP1. Cancer Research, 2002, 62, 391-6.	0.9	28
115	Insulin-regulated Release from the Endosomal Recycling Compartment Is Regulated by Budding of Specialized Vesicles. Molecular Biology of the Cell, 2001, 12, 3489-3501.	2.1	119
116	In Situ Biochemical Demonstration That P-Glycoprotein Is a Drug Efflux Pump with Broad Specificity. Journal of Cell Biology, 2000, 148, 863-870.	5.2	50
117	Staphylococcus aureus RN6390 Replicates and Induces Apoptosis in a Pulmonary Epithelial Cell Line. Infection and Immunity, 2000, 68, 5385-5392.	2.2	189
118	Imaging Constitutive Exocytosis with Total Internal Reflection Fluorescence Microscopy. Journal of Cell Biology, 2000, 149, 23-32.	5.2	187
119	Tracking Single Proteins within Cells. Biophysical Journal, 2000, 79, 2188-2198.	0.5	248
120	An Award for Cell Biology. Journal of Cell Biology, 1999, 147, 1-2.	5.2	6
121	A Mechanism for Tamoxifen-mediated Inhibition of Acidification. Journal of Biological Chemistry, 1999, 274, 18364-18373.	3.4	69
122	Role of organelle pH in tumor cell biology and drug resistance. Drug Discovery Today, 1999, 4, 32-38.	6.4	59
123	An Aqueous Channel for Filamentous Phage Export. Science, 1999, 284, 1516-1519.	12.6	98
124	Defective Acidification in Human Breast Tumor Cells and Implications for Chemotherapy. Journal of Experimental Medicine, 1998, 187, 1583-1598.	8.5	256
125	Biogenesis of Polytopic Membrane Proteins:Â Membrane Segments of P-glycoprotein Sequentially Translocate To Span the ER Membraneâ€. Biochemistry, 1996, 35, 10587-10594.	2.5	36
126	Biogenesis of Polytopic Membrane Proteins: Membrane Segments Assemble within Translocation Channels prior to Membrane Integration. Cell, 1996, 85, 379-389.	28.9	132

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127	Defective pH Regulation of Acidic Compartments in Human Breast Cancer Cells (MCF-7) Is Normalized in Adriamycin-Resistant Cells (MCF-7adr)â€. Biochemistry, 1996, 35, 2811-2817.	2.5	245
128	Cellular probes on the move. Nature Biotechnology, 1996, 14, 1221-1221.	17.5	2
129	Enter the 'swinging gate'. Nature, 1994, 371, 103-104.	27.8	8
130	Translocation of proteins across the endoplasmic reticulum. Current Opinion in Cell Biology, 1993, 5, 581-588.	5.4	30
131	Mechanisms of Translocation of Proteins across Membranes. Sub-Cellular Biochemistry, 1993, 21, 1-15.	2.4	17
132	Signal peptides open protein-conducting channels in E. coli. Cell, 1992, 69, 677-684.	28.9	224
133	A protein-conducting channel in the endoplasmic reticulum. Cell, 1991, 65, 371-380.	28.9	612
134	Characterization of constitutive exocytosis in the yeastSaccharomyces cerevisiae. Journal of Membrane Biology, 1991, 123, 261-268.	2.1	16
135	A quantitative rotational model for studying serotonergic function in the rat. Brain Research, 1977, 124, 271-281.	2.2	180