

Sanford M Simon

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

12,826
citations

38660

50
h-index

24179

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. <i>Stem Cell Reports</i> , 2022, , .	2.3	8
2	Defective internal allosteric network imparts dysfunctional ATP/substrate-binding cooperativity in oncogenic chimera of protein kinase A. <i>Communications Biology</i> , 2021, 4, 321.	2.0	21
3	Morphologic and Molecular Findings in Myxoid Hepatic Adenomas. <i>American Journal of Surgical Pathology</i> , 2021, 45, 1098-1107.	2.1	12
4	Identification of Novel Therapeutic Targets for Fibrolamellar Carcinoma Using Patient-Derived Xenografts and Direct-from-Patient Screening. <i>Cancer Discovery</i> , 2021, 11, 2544-2563.	7.7	27
5	Microscope Enclosure for Temperature Regulation and Light Isolation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6812.	1.3	0
6	RetroCHMP3 blocks budding of enveloped viruses without blocking cytokinesis. <i>Cell</i> , 2021, 184, 5419-5431.e16.	13.5	8
7	A Human Organoid Model of Aggressive Hepatoblastoma for Disease Modeling and Drug Testing. <i>Cancers</i> , 2020, 12, 2668.	1.7	37
8	Stem cell-derived polarized hepatocytes. <i>Nature Communications</i> , 2020, 11, 1677.	5.8	60
9	Ca ²⁺ transients in melanocyte dendrites and dendritic spine-like structures evoked by cell-to-cell signaling. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	13
10	Structural analyses of the PKA R11 ² holoenzyme containing the oncogenic DnajB1-PKAc fusion protein reveal protomer asymmetry and fusion-induced allosteric perturbations in fibrolamellar hepatocellular carcinoma. <i>PLoS Biology</i> , 2020, 18, e3001018.	2.6	22
11	Conformation of the nuclear pore in living cells is modulated by transport state. <i>ELife</i> , 2020, 9, .	2.8	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 R11 [±] Holoenzyme with the FLHCC Driver J-PKAc [±] or Wild-Type PKAc [±] . <i>Structure</i> , 2019, 27, 816-828.e4.	1.6	27

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19	<i>Escherichia coli</i> as a platform for the study of phosphoinositide biology. <i>Science Advances</i> , 2019, 5, eaat4872.	4.7	12
20	Video abstracts and plain language summaries are more effective than graphical abstracts and published abstracts. <i>PLoS ONE</i> , 2019, 14, e0224697.	1.1	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. <i>Seminars in Liver Disease</i> , 2018, 38, 051-059.	1.8	46
28	Conformational Landscape of the PRKACA-DNAJB1 Chimeric Kinase, the Driver for Fibrolamellar Hepatocellular Carcinoma. <i>Scientific Reports</i> , 2018, 8, 720.	1.6	23
29	Intracranial metastasis in fibrolamellar hepatocellular carcinoma. <i>Pediatric Blood and Cancer</i> , 2018, 65, e26919.	0.8	4
30	Enter Blobel (1936–2018). <i>Cell</i> , 2018, 173, 278-280.	13.5	0
31	Recruitment of 7SL RNA to assembling HIV-1 virus-like particles. <i>Traffic</i> , 2018, 19, 36-43.	1.3	10
32	Fibrolamellar carcinoma in the Carney complex: PRKAR1A loss instead of the classic DNAJB1-PRKACA fusion. <i>Hepatology</i> , 2018, 68, 1441-1447.	3.6	48
33	Sequencing the peripheral blood B and T cell repertoire – Quantifying robustness and limitations. <i>Journal of Immunological Methods</i> , 2018, 463, 137-147.	0.6	9
34	Timing of ESCRT-III protein recruitment and membrane scission during HIV-1 assembly. <i>ELife</i> , 2018, 7, .	2.8	64
35	Enter Blobel (1936–2018). <i>Nature</i> , 2018, 556, 32-32.	13.7	3
36	Modeling the dynamics and kinetics of HIV-1 Gag during viral assembly. <i>PLoS ONE</i> , 2018, 13, e0196133.	1.1	11

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37	Non coding RNA analysis in fibrolamellar hepatocellular carcinoma. <i>Oncotarget</i> , 2018, 9, 10211-10227.	0.8	24
38	Green fluorescent protein- ϵ -tagged apolipoprotein E: A useful marker for the study of hepatic lipoprotein egress. <i>Traffic</i> , 2017, 18, 192-204.	1.3	9
39	Differential Regulation of Lipoprotein and Hepatitis C Virus Secretion by Rab1b. <i>Cell Reports</i> , 2017, 21, 431-441.	2.9	28
40	A coarse-grained computational model of the nuclear pore complex predicts Phe-Gly nucleoporin dynamics. <i>Journal of General Physiology</i> , 2017, 149, 951-966.	0.9	8
41	<i>DNAJB1-PRKACA</i> fusion kinase interacts with β -catenin and the liver regenerative response to drive fibrolamellar hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13076-13084.	3.3	125
42	Readily Accessible Multiplane Microscopy: 3D Tracking the HIV-1 Genome in Living Cells. <i>Traffic</i> , 2016, 17, 179-186.	1.3	11
43	Injured astrocytes are repaired by Synaptotagmin XI-regulated lysosome exocytosis. <i>Cell Death and Differentiation</i> , 2016, 23, 596-607.	5.0	34
44	The genomic landscape of fibrolamellar hepatocellular carcinoma: whole genome sequencing of ten patients. <i>Oncotarget</i> , 2015, 6, 755-770.	0.8	59
45	Imaging Live Cells Using Quantum Dots. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top086322.	0.2	7
46	Real-time fluorescence imaging with 20-nm axial resolution. <i>Nature Communications</i> , 2015, 6, 8307.	5.8	20
47	Transcriptomic characterization of fibrolamellar hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5916-25.	3.3	103
48	APP intracellular domain- ϵ -WAVE1 pathway reduces amyloid- β production. <i>Nature Medicine</i> , 2015, 21, 1054-1059.	15.2	31
49	Temporal and spatial organization of ESCRT protein recruitment during HIV-1 budding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12211-12216.	3.3	93
50	Detection of a Recurrent <i>DNAJB1-PRKACA</i> Chimeric Transcript in Fibrolamellar Hepatocellular Carcinoma. <i>Science</i> , 2014, 343, 1010-1014.	6.0	388
51	S100A11 is required for efficient plasma membrane repair and survival of invasive cancer cells. <i>Nature Communications</i> , 2014, 5, 3795.	5.8	175
52	Polarization-Controlled TIRFM with Focal Drift and Spatial Field Intensity Correction. <i>Biophysical Journal</i> , 2014, 106, 1008-1019.	0.2	26
53	Endogenous Antibodies for Tumor Detection. <i>Scientific Reports</i> , 2014, 4, 5088.	1.6	7
54	Belling the Cat-Tagging Live Cells with Quantum Dots. <i>Clinical Chemistry</i> , 2013, 59, 995-996.	1.5	2

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55	Conserved Spatial Organization of FG Domains in the Nuclear Pore Complex. <i>Biophysical Journal</i> , 2013, 104, 37-50.	0.2	31
56	Dynamics of clathrin-mediated endocytosis and its requirement for organelle biogenesis in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2012, 125, 5721-5732.	1.2	20
57	Total Internal Reflection Fluorescence (TIRF) Microscopy Illuminator for Improved Imaging of Cell Surface Events. <i>Current Protocols in Cytometry</i> , 2012, 61, Unit 12.29.	3.7	27
58	Protein Domain Organization in the Nuclear Pore Complex Studied by Fluorescence Anisotropy. <i>Biophysical Journal</i> , 2011, 100, 139a-140a.	0.2	0
59	Visualizing HIV-1 Assembly. <i>Journal of Molecular Biology</i> , 2011, 410, 501-511.	2.0	73
60	Imaging Single Endocytic Events Reveals Diversity in Clathrin, Dynamin and Vesicle Dynamics. <i>Traffic</i> , 2011, 12, 1394-1406.	1.3	26
61	Dynamics of ESCRT protein recruitment during retroviral assembly. <i>Nature Cell Biology</i> , 2011, 13, 394-401.	4.6	198
62	Mapping the orientation of nuclear pore proteins in living cells with polarized fluorescence microscopy. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 643-649.	3.6	81
63	Simulations of nuclear pore transport yield mechanistic insights and quantitative predictions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E351-8.	3.3	71
64	Imaging with total internal reflection fluorescence microscopy for the cell biologist. <i>Journal of Cell Science</i> , 2010, 123, 3621-3628.	1.2	306
65	Fluorescence Anisotropy Reveals Order and Disorder of Protein Domains in the Nuclear Pore Complex. <i>Biophysical Journal</i> , 2010, 99, 1706-1717.	0.2	54
66	Viral Houseguests Undertake Interior Redesign. <i>Cell</i> , 2010, 141, 754-756.	13.5	2
67	Determinism and divergence of apoptosis susceptibility in mammalian cells. <i>Journal of Cell Science</i> , 2009, 122, 4296-4302.	1.2	29
68	Endocytic trafficking of activated EGFR is AP-2 dependent and occurs through preformed clathrin spots. <i>Journal of Cell Science</i> , 2009, 122, 1301-1305.	1.2	94
69	Imaging the interaction of HIV-1 genomes and Gag during assembly of individual viral particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19114-19119.	3.3	233
70	Partial internal reflections on total internal reflection fluorescent microscopy. <i>Trends in Cell Biology</i> , 2009, 19, 661-668.	3.6	24
71	Exocytosis of Post-Golgi Vesicles Is Regulated by Components of the Endocytic Machinery. <i>Cell</i> , 2009, 137, 1308-1319.	13.5	110
72	Spatial and Temporal Dynamics of Mitochondrial Membrane Permeability Waves during Apoptosis. <i>Biophysical Journal</i> , 2009, 97, 2222-2231.	0.2	44

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73	A Functional GFP Fusion for Imaging Clathrin-Mediated Endocytosis. <i>Traffic</i> , 2008, 9, 1250-1255.	1.3	21
74	Imaging the biogenesis of individual HIV-1 virions in live cells. <i>Nature</i> , 2008, 454, 236-240.	13.7	290
75	Golgi Governance: The Third Way. <i>Cell</i> , 2008, 133, 951-953.	13.5	4
76	The Multiple Mechanisms of Multidrug Resistance and Cellular pH. <i>Novartis Foundation Symposium</i> , 2008, 240, 269-289.	1.2	2
77	Dynamics of Dynamin during Clathrin Mediated Endocytosis in PC12 Cells. <i>PLoS ONE</i> , 2008, 3, e2416.	1.1	29
78	Optical Monitoring of Single Cells Using Quantum Dots. , 2007, 374, 93-104.		8
79	Studying Individual Events in Biology. <i>Annual Review of Biochemistry</i> , 2007, 76, 419-446.	5.0	28
80	Resolving vesicle fusion from lysis to monitor calcium-triggered lysosomal exocytosis in astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14151-14156.	3.3	83
81	Quantum dot-based sensor for improved detection of apoptotic cells. <i>Nanomedicine</i> , 2007, 2, 71-78.	1.7	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. <i>Traffic</i> , 2007, 8, 77-88.	1.3	56
84	Dynamic Interaction of HIV-1 Nef with the Clathrin-Mediated Endocytic Pathway at the Plasma Membrane. <i>Traffic</i> , 2007, 8, 61-76.	1.3	44
85	The Conserved Isoleucine-Valine-Phenylalanine Motif Couples Activation State and Endocytic Functions of β -Arrestins. <i>Traffic</i> , 2007, 8, 914-931.	1.3	33
86	Plasma Membrane Is the Site of Productive HIV-1 Particle Assembly. <i>PLoS Biology</i> , 2006, 4, e435.	2.6	299
87	Dynamics of clathrin and adaptor proteins during endocytosis. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1072-C1081.	2.1	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. <i>Traffic</i> , 2005, 6, 539-547.	1.3	45
90	Receptor-mediated glutamate release from volume sensitive channels in astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16466-16471.	3.3	186

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91	Synthesis of Compact Multidentate Ligands to Prepare Stable Hydrophilic Quantum Dot Fluorophores. <i>Journal of the American Chemical Society</i> , 2005, 127, 3870-3878.	6.6	534
92	Synaptotagmin VII Restricts Fusion Pore Expansion during Lysosomal Exocytosis. <i>PLoS Biology</i> , 2004, 2, e233.	2.6	98
93	Understanding Living Clathrin-Coated Pits. <i>Traffic</i> , 2004, 5, 327-337.	1.3	76
94	Signal Sequence Cleavage of Peptidyl-tRNA Prior to Release from the Ribosome and Translocon. <i>Journal of Biological Chemistry</i> , 2004, 279, 24919-24922.	1.6	6
95	Imaging single membrane fusion events mediated by SNARE proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7311-7316.	3.3	155
96	Understanding Living Clathrin-Coated Pits. <i>Traffic</i> , 2004, 5, 327-337.	1.3	68
97	Tracking metastatic tumor cell extravasation with quantum dot nanocrystals and fluorescence emission-scanning microscopy. <i>Nature Medicine</i> , 2004, 10, 993-998.	15.2	669
98	Use of quantum dots for live cell imaging. <i>Nature Methods</i> , 2004, 1, 73-78.	9.0	314
99	Potentials and pitfalls of fluorescent quantum dots for biological imaging. <i>Trends in Cell Biology</i> , 2004, 14, 497-504.	3.6	497
100	Movement of Plasma-Membrane-Associated Clathrin Spots Along the Microtubule Cytoskeleton. <i>Traffic</i> , 2003, 4, 460-467.	1.3	48
101	Long-term multiple color imaging of live cells using quantum dot bioconjugates. <i>Nature Biotechnology</i> , 2003, 21, 47-51.	9.4	1,928
102	Three-dimensional analysis of post-Golgi carrier exocytosis in epithelial cells. <i>Nature Cell Biology</i> , 2003, 5, 126-136.	4.6	215
103	Total Internal Reflection Fluorescence Microscopy for High-Resolution Imaging of Cell-Surface Events. <i>Current Protocols in Cell Biology</i> , 2003, 20, Unit 4.12.	2.3	10
104	Role of Microtubules in Fusion of Post-Golgi Vesicles to the Plasma Membrane. <i>Molecular Biology of the Cell</i> , 2003, 14, 1558-1569.	0.9	66
105	Subcellular Localization and Activity of Multidrug Resistance Proteins. <i>Molecular Biology of the Cell</i> , 2003, 14, 3389-3399.	0.9	167
106	Real-time analysis of clathrin-mediated endocytosis during cell migration. <i>Journal of Cell Science</i> , 2003, 116, 847-855.	1.2	156
107	Co-translational Targeting and Translocation of the Amino Terminus of Opsin across the Endoplasmic Membrane Requires GTP but Not ATP. <i>Journal of Biological Chemistry</i> , 2003, 278, 7920-7926.	1.6	8
108	The AP-2 Complex Is Excluded from the Dynamic Population of Plasma Membrane-associated Clathrin. <i>Journal of Biological Chemistry</i> , 2003, 278, 47357-47360.	1.6	61

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109	Migrating fibroblasts perform polarized, microtubule-dependent exocytosis towards the leading edge. <i>Journal of Cell Science</i> , 2003, 116, 4513-4519.	1.2	139
110	Membrane proximal lysosomes are the major vesicles responsible for calcium-dependent exocytosis in nonsecretory cells. <i>Journal of Cell Biology</i> , 2002, 159, 625-635.	2.3	328
111	The Amino Terminus of Opsin Translocates as Efficiently as Cotranslationally. <i>Biochemistry</i> , 2002, 41, 7707-7715.	1.2	16
112	Glycosylation Affects the Rate of Traffic of the Shaker Potassium Channel through the Secretory Pathway. <i>Biochemistry</i> , 2002, 41, 11351-11361.	1.2	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. <i>Cancer Research</i> , 2002, 62, 391-6.	0.4	28
115	Insulin-regulated Release from the Endosomal Recycling Compartment Is Regulated by Budding of Specialized Vesicles. <i>Molecular Biology of the Cell</i> , 2001, 12, 3489-3501.	0.9	119
116	In Situ Biochemical Demonstration That P-Glycoprotein Is a Drug Efflux Pump with Broad Specificity. <i>Journal of Cell Biology</i> , 2000, 148, 863-870.	2.3	50
117	<i>Staphylococcus aureus</i> RN6390 Replicates and Induces Apoptosis in a Pulmonary Epithelial Cell Line. <i>Infection and Immunity</i> , 2000, 68, 5385-5392.	1.0	189
118	Imaging Constitutive Exocytosis with Total Internal Reflection Fluorescence Microscopy. <i>Journal of Cell Biology</i> , 2000, 149, 23-32.	2.3	187
119	Tracking Single Proteins within Cells. <i>Biophysical Journal</i> , 2000, 79, 2188-2198.	0.2	248
120	An Award for Cell Biology. <i>Journal of Cell Biology</i> , 1999, 147, 1-2.	2.3	6
121	A Mechanism for Tamoxifen-mediated Inhibition of Acidification. <i>Journal of Biological Chemistry</i> , 1999, 274, 18364-18373.	1.6	69
122	Role of organelle pH in tumor cell biology and drug resistance. <i>Drug Discovery Today</i> , 1999, 4, 32-38.	3.2	59
123	An Aqueous Channel for Filamentous Phage Export. <i>Science</i> , 1999, 284, 1516-1519.	6.0	98
124	Defective Acidification in Human Breast Tumor Cells and Implications for Chemotherapy. <i>Journal of Experimental Medicine</i> , 1998, 187, 1583-1598.	4.2	256
125	Biogenesis of Polytopic Membrane Proteins: Membrane Segments of P-glycoprotein Sequentially Translocate To Span the ER Membrane. <i>Biochemistry</i> , 1996, 35, 10587-10594.	1.2	36
126	Biogenesis of Polytopic Membrane Proteins: Membrane Segments Assemble within Translocation Channels prior to Membrane Integration. <i>Cell</i> , 1996, 85, 379-389.	13.5	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). <i>Biochemistry</i> , 1996, 35, 2811-2817.	1.2	245
128	Cellular probes on the move. <i>Nature Biotechnology</i> , 1996, 14, 1221-1221.	9.4	2
129	Enter the 'swinging gate'. <i>Nature</i> , 1994, 371, 103-104.	13.7	8
130	Translocation of proteins across the endoplasmic reticulum. <i>Current Opinion in Cell Biology</i> , 1993, 5, 581-588.	2.6	30
131	Mechanisms of Translocation of Proteins across Membranes. <i>Sub-Cellular Biochemistry</i> , 1993, 21, 1-15.	1.0	17
132	Signal peptides open protein-conducting channels in <i>E. coli</i> . <i>Cell</i> , 1992, 69, 677-684.	13.5	224
133	A protein-conducting channel in the endoplasmic reticulum. <i>Cell</i> , 1991, 65, 371-380.	13.5	612
134	Characterization of constitutive exocytosis in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Membrane Biology</i> , 1991, 123, 261-268.	1.0	16
135	A quantitative rotational model for studying serotonergic function in the rat. <i>Brain Research</i> , 1977, 124, 271-281.	1.1	180