

# Erik Lee Snapp

## List of Publications by Year in descending order

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79  
papers

6,762  
citations

76326

40  
h-index

85541

71  
g-index

83  
all docs

83  
docs citations

83  
times ranked

9343  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Trans</i> -endocytosis of intact IL-15R $\alpha$ IL-15 complex from presenting cells into NK cells favors signaling for proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 522-531.	7.1	38
2	Size-dependent secretory protein reflux into the cytosol in association with acute endoplasmic reticulum stress. <i>Traffic</i> , 2020, 21, 419-429.	2.7	13
3	How to design a chalk talk—the million dollar sales pitch. <i>Molecular Biology of the Cell</i> , 2019, 30, 1575-1577.	2.1	3
4	Interleukin 2 modulates thymic-derived regulatory T cell epigenetic landscape. <i>Nature Communications</i> , 2018, 9, 5368.	12.8	26
5	moxMaple3: a Photoswitchable Fluorescent Protein for PALM and Protein Highlighting in Oxidizing Cellular Environments. <i>Scientific Reports</i> , 2018, 8, 14738.	3.3	12
6	The Development and Enhancement of FRAP as a Key Tool for Investigating Protein Dynamics. <i>Biophysical Journal</i> , 2018, 115, 1146-1155.	0.5	53
7	moxDendra2: an inert photoswitchable protein for oxidizing environments. <i>Chemical Communications</i> , 2017, 53, 2106-2109.	4.1	12
8	Structure and topology around the cleavage site regulate post-translational cleavage of the HIV-1 gp160 signal peptide. <i>ELife</i> , 2017, 6, .	6.0	41
9	A New Transferrin Receptor Aptamer Inhibits New World Hemorrhagic Fever Mammarenavirus Entry. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e321.	5.1	41
10	An in vitro compartmentalization-based method for the selection of bond-forming enzymes from large libraries. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1647-1657.	3.3	26
11	Imaging the Alphavirus Exit Pathway. <i>Microscopy and Microanalysis</i> , 2015, 21, 409-410.	0.4	1
12	Engineering and exploitation of a fluorescent HIV-1 gp120 for live cell CD4 binding assays. <i>Virology</i> , 2015, 476, 240-248.	2.4	5
13	Going Viral with Fluorescent Proteins. <i>Journal of Virology</i> , 2015, 89, 9706-9708.	3.4	12
14	A palette of fluorescent proteins optimized for diverse cellular environments. <i>Nature Communications</i> , 2015, 6, 7670.	12.8	219
15	Traffic of p24 Proteins and COPII Coat Composition Mutually Influence Membrane Scaffolding. <i>Current Biology</i> , 2015, 25, 1296-1305.	3.9	29
16	Connexin Type and Fluorescent Protein Fusion Tag Determine Structural Stability of Gap Junction Plaques. <i>Journal of Biological Chemistry</i> , 2015, 290, 23497-23514.	3.4	32
17	Human Liver Cell Trafficking Mutants: Characterization and Whole Exome Sequencing. <i>PLoS ONE</i> , 2014, 9, e87043.	2.5	0
18	Approaches to imaging unfolded secretory protein stress in living cells. <i>Endoplasmic Reticulum Stress in Diseases</i> , 2014, 1, 27-39.	0.2	11

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19	Allosteric Inhibition of the IRE1 <sup>±</sup> RNase Preserves Cell Viability and Function during Endoplasmic Reticulum Stress. <i>Cell</i> , 2014, 158, 534-548.	28.9	384
20	Biochemical and Cellular Analysis of Human Variants of the DYT1 Dystonia Protein, TorsinA/TOR1A. <i>Human Mutation</i> , 2014, 35, 1101-1113.	2.5	25
21	A sphingolipid-dependent diffusion barrier confines ER stress to the yeast mother cell. <i>ELife</i> , 2014, 3, e01883.	6.0	134
22	Fluorescent Proteins in Cellular Organelles: Serious Pitfalls and Some Solutions. <i>DNA and Cell Biology</i> , 2013, 32, 622-627.	1.9	48
23	Photobleaching Methods to Study Golgi Complex Dynamics in Living Cells. <i>Methods in Cell Biology</i> , 2013, 118, 195-216.	1.1	5
24	Cysteineless non-glycosylated monomeric blue fluorescent protein, secBFP2, for studies in the eukaryotic secretory pathway. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1114-1119.	2.1	18
25	ERdj3 Regulates BiP Occupancy in Living Cells. <i>Journal of Cell Science</i> , 2013, 126, 1429-39.	2.0	39
26	Proinsulin Intermolecular Interactions during Secretory Trafficking in Pancreatic $\beta$ Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 1896-1906.	3.4	77
27	Probing Endoplasmic Reticulum Dynamics using Fluorescence Imaging and Photobleaching Techniques. <i>Current Protocols in Cell Biology</i> , 2013, 60, Unit 21.7..	2.3	15
28	Endoplasmic reticulum polymers impair luminal protein mobility and sensitize to cellular stress in $\alpha$ -1 antitrypsin deficiency. <i>Hepatology</i> , 2013, 57, 2049-2060.	7.3	108
29	Detecting Soluble PolyQ Oligomers and Investigating Their Impact on Living Cells Using Split-GFP. <i>Methods in Molecular Biology</i> , 2013, 1017, 229-239.	0.9	3
30	Kar2p availability defines distinct forms of endoplasmic reticulum stress in living cells. <i>Molecular Biology of the Cell</i> , 2012, 23, 955-964.	2.1	82
31	Changes in BiP availability reveal hypersensitivity to acute endoplasmic reticulum stress in cells expressing mutant huntingtin. <i>Journal of Cell Science</i> , 2012, 125, 789-789.	2.0	0
32	ERdj4 Protein Is a Soluble Endoplasmic Reticulum (ER) DnaJ Family Protein That Interacts with ER-associated Degradation Machinery. <i>Journal of Biological Chemistry</i> , 2012, 287, 7969-7978.	3.4	70
33	Unfolded Protein Responses With or Without Unfolded Proteins?. <i>Cells</i> , 2012, 1, 926-950.	4.1	15
34	Sec24p and Sec16p cooperate to regulate the GTP cycle of the COPII coat. <i>EMBO Journal</i> , 2012, 31, 1014-1027.	7.8	88
35	Alcohol Disrupts Endoplasmic Reticulum Function and Protein Secretion in Hepatocytes. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 14-23.	2.4	47
36	Mechanism of Collapse of Endoplasmic Reticulum Cisternae During African Swine Fever Virus Infection. <i>Traffic</i> , 2012, 13, 30-42.	2.7	17

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37	Assessing the Tendency of Fluorescent Proteins to Oligomerize Under Physiologic Conditions. <i>Traffic</i> , 2012, 13, 643-649.	2.7	171
38	Time-Lapse Imaging of Membrane Traffic in Living Cells. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot066555.	0.3	4
39	Imaging of Membrane Systems and Membrane Traffic in Living Cells. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.top066548-pdb.top066548.	0.3	5
40	Maturation of BRI2 generates a specific inhibitor that reduces APP processing at the plasma membrane and in endocytic vesicles. <i>Neurobiology of Aging</i> , 2011, 32, 1400-1408.	3.1	79
41	Superfolder GFP Is Fluorescent in Oxidizing Environments When Targeted via the Sec Translocon. <i>Traffic</i> , 2011, 12, 543-548.	2.7	112
42	Photobleaching Regions of Living Cells to Monitor Membrane Traffic. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot066563-pdb.prot066563.	0.3	8
43	Changes in BiP availability reveal hypersensitivity to acute endoplasmic reticulum stress in cells expressing mutant huntingtin. <i>Journal of Cell Science</i> , 2011, 124, 3332-3343.	2.0	47
44	Activating Photoactivatable Proteins with Laser Light to Visualize Membrane Systems and Membrane Traffic in Living Cells. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot066571.	0.3	4
45	Static retention of the luminal monotopic membrane protein torsinA in the endoplasmic reticulum. <i>EMBO Journal</i> , 2011, 30, 3217-3231.	7.8	51
46	Structural Insights into Triglyceride Storage Mediated by Fat Storage-Inducing Transmembrane (FIT) Protein 2. <i>PLoS ONE</i> , 2010, 5, e10796.	2.5	52
47	BiP Availability Distinguishes States of Homeostasis and Stress in the Endoplasmic Reticulum of Living Cells. <i>Molecular Biology of the Cell</i> , 2010, 21, 1909-1921.	2.1	64
48	Evolutionary Gain of Function for the ER Membrane Protein Sec62 from Yeast to Humans. <i>Molecular Biology of the Cell</i> , 2010, 21, 691-703.	2.1	85
49	BiP Modulates the Affinity of Its Co-chaperone ERj1 for Ribosomes. <i>Journal of Biological Chemistry</i> , 2010, 285, 36427-36433.	3.4	26
50	Formation and Toxicity of Soluble Polyglutamine Oligomers in Living Cells. <i>PLoS ONE</i> , 2010, 5, e15245.	2.5	108
51	LULL1 Retargets TorsinA to the Nuclear Envelope Revealing an Activity That Is Impaired by the <i>DYT1</i> Dystonia Mutation. <i>Molecular Biology of the Cell</i> , 2009, 20, 2661-2672.	2.1	117
52	An essential role for ATP binding and hydrolysis in the chaperone activity of GRP94 in cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11600-11605.	7.1	61
53	Fluorescent proteins: a cell biologist's user guide. <i>Trends in Cell Biology</i> , 2009, 19, 649-655.	7.9	142
54	Evolutionarily conserved gene family important for fat storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 94-99.	7.1	222

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55	Expression and regulation of ERp57 in hepatocellular carcinoma. <i>FASEB Journal</i> , 2008, 22, 826.2.	0.5	0
56	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, 6536-6541.	7.1	105
57	Rational Design and Evaluation of FRET Experiments to Measure Protein Proximities in Cells. <i>Current Protocols in Cell Biology</i> , 2006, 32, Unit 17.9.	2.3	26
58	Endoplasmic reticulum architecture: structures in flux. <i>Current Opinion in Cell Biology</i> , 2006, 18, 358-364.	5.4	188
59	Golgi Inheritance in Mammalian Cells Is Mediated through Endoplasmic Reticulum Export Activities. <i>Molecular Biology of the Cell</i> , 2006, 17, 990-1005.	2.1	108
60	Imaging of Organelle Membrane Systems and Membrane Traffic in Living Cells. <i>Cold Spring Harbor Protocols</i> , 2006, 2006, pdb.prot4603-pdb.prot4603.	0.3	0
61	Membrane Trafficking and Organelle Reagents. <i>Cold Spring Harbor Protocols</i> , 2006, 2006, pdb.ip23-pdb.ip23.	0.3	0
62	Endoplasmic Reticulum Biogenesis. , 2005, , 63-95.		7
63	Glycan-independent Role of Calnexin in the Intracellular Retention of Charcot-Marie-Tooth 1A Gas3/PMP22 Mutants. <i>Journal of Biological Chemistry</i> , 2005, 280, 2378-2387.	3.4	31
64	Stable Binding of ATF6 to BiP in the Endoplasmic Reticulum Stress Response. <i>Molecular and Cellular Biology</i> , 2005, 25, 921-932.	2.3	194
65	Regulation of Protein Compartmentalization Expands the Diversity of Protein Function. <i>Developmental Cell</i> , 2005, 9, 545-554.	7.0	103
66	Design and Use of Fluorescent Fusion Proteins in Cell Biology. <i>Current Protocols in Cell Biology</i> , 2005, 27, 21.4.1-21.4.13.	2.3	122
67	FRAP and Other Photobleaching Methods. , 2005, , 605-609.		0
68	Endoplasmic Reticulum Export Sites and Golgi Bodies Behave as Single Mobile Secretory Units in Plant Cells[W]. <i>Plant Cell</i> , 2004, 16, 1753-1771.	6.6	258
69	The Fusome Mediates Intercellular Endoplasmic Reticulum Connectivity in Drosophila Ovarian Cysts. <i>Molecular Biology of the Cell</i> , 2004, 15, 4512-4521.	2.1	106
70	The organization of engaged and quiescent translocons in the endoplasmic reticulum of mammalian cells. <i>Journal of Cell Biology</i> , 2004, 164, 997-1007.	5.2	79
71	Measuring Protein Mobility by Photobleaching GFP Chimeras in Living Cells. <i>Current Protocols in Cell Biology</i> , 2003, 19, Unit 21.1.	2.3	103
72	Formation of stacked ER cisternae by low affinity protein interactions. <i>Journal of Cell Biology</i> , 2003, 163, 257-269.	5.2	420

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73	Active translocon complexes labeled with GFPâ€Dad1 diffuse slowly as large polysome arrays in the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2002, 158, 497-506.	5.2	58
74	Membrane Protein Transport between the Endoplasmic Reticulum and the Golgi in Tobacco Leaves Is Energy Dependent but Cytoskeleton Independent. <i>Plant Cell</i> , 2002, 14, 1293-1309.	6.6	303
75	Studying protein dynamics in living cells. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 444-456.	37.0	1,112
76	Dynamics and retention of misfolded proteins in native ER membranes. <i>Nature Cell Biology</i> , 2000, 2, 288-295.	10.3	251
77	Characterization of a Targeting Motif for a Flagellar Membrane Protein in <i>Leishmania enriettii</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 29543-29548.	3.4	30
78	Cytoskeletal Association Is Important for Differential Targeting of Glucose Transporter Isoforms in <i>Leishmania</i> . <i>Journal of Cell Biology</i> , 1997, 139, 1775-1783.	5.2	44
79	Imaging Cellular Proteins and Structures: Smaller, Brighter, and Faster. , 0, , 1053-1066.		0