

Benjamin S Glick

List of Publications by Year in descending order

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83
papers

8,503
citations

61984

43
h-index

69250

77
g-index

99
all docs

99
docs citations

99
times ranked

8802
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mechanisms of Vesicle Budding and Fusion. <i>Cell</i> , 2004, 116, 153-166.	28.9	1,628
2	Rapidly maturing variants of the <i>Discosoma</i> red fluorescent protein (DsRed). <i>Nature Biotechnology</i> , 2002, 20, 83-87.	17.5	546
3	A new type of coated vesicular carrier that appears not to contain clathrin: Its possible role in protein transport within the Golgi stack. <i>Cell</i> , 1986, 46, 171-184.	28.9	461
4	Golgi maturation visualized in living yeast. <i>Nature</i> , 2006, 441, 1002-1006.	27.8	336
5	Golgi Structure Correlates with Transitional Endoplasmic Reticulum Organization in <i>Pichia pastoris</i> and <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1999, 145, 69-81.	5.2	306
6	Membrane Traffic Within the Golgi Apparatus. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 113-132.	9.4	299
7	Dynamics of Transitional Endoplasmic Reticulum Sites in Vertebrate Cells. <i>Molecular Biology of the Cell</i> , 2000, 11, 3013-3030.	2.1	264
8	Can Hsp70 proteins act as force-generating motors?. <i>Cell</i> , 1995, 80, 11-14.	28.9	262
9	De novo formation of transitional ER sites and Golgi structures in <i>Pichia pastoris</i> . <i>Nature Cell Biology</i> , 2002, 4, 750-756.	10.3	231
10	The Curious Status of the Golgi Apparatus. <i>Cell</i> , 1998, 95, 883-889.	28.9	212
11	A Role for Actin, Cdc1p, and Myo2p in the Inheritance of Late Golgi Elements in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2001, 153, 47-62.	5.2	193
12	Models for Golgi Traffic: A Critical Assessment. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005215-a005215.	5.5	180
13	A noncytotoxic DsRed variant for whole-cell labeling. <i>Nature Methods</i> , 2008, 5, 955-957.	19.0	171
14	A Rapidly Maturing Far-Red Derivative of DsRed-Express2 for Whole-Cell Labeling. <i>Biochemistry</i> , 2009, 48, 8279-8281.	2.5	167
15	Journeys through the Golgi—taking stock in a new era. <i>Journal of Cell Biology</i> , 2009, 187, 449-453.	5.2	156
16	Sec16 is a Determinant of Transitional ER Organization. <i>Current Biology</i> , 2005, 15, 1439-1447.	3.9	145
17	A versatile set of vectors for constitutive and regulated gene expression in <i>Pichia pastoris</i> . , 1998, 14, 783-790.		140
18	Tomographic Evidence for Continuous Turnover of Golgi Cisternae in <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , 2003, 14, 2277-2291.	2.1	133

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19	Two Mammalian Sec16 Homologues Have Nonredundant Functions in Endoplasmic Reticulum (ER) Export and Transitional ER Organization. <i>Molecular Biology of the Cell</i> , 2007, 18, 839-849.	2.1	129
20	Budding Yeast Has a Minimal Endomembrane System. <i>Developmental Cell</i> , 2018, 44, 56-72.e4.	7.0	129
21	Import of cytochrome b_2 to the mitochondrial intermembrane space: The tightly folded heme-binding domain makes import dependent upon matrix ATP. <i>Protein Science</i> , 1993, 2, 1901-1917.	7.6	111
22	A General Method to Improve Fluorophores Using Deuterated Auxochromes. <i>Jacs Au</i> , 2021, 1, 690-696.	7.9	106
23	Secretion of a foreign protein from budding yeasts is enhanced by cotranslational translocation and by suppression of vacuolar targeting. <i>Microbial Cell Factories</i> , 2014, 13, 125.	4.0	93
24	<i>Saccharomyces cerevisiae</i> mitochondria lack a bacterial-type Sec machinery. <i>Protein Science</i> , 1996, 5, 2651-2652.	7.6	85
25	Refined <i>Pichia pastoris</i> reference genome sequence. <i>Journal of Biotechnology</i> , 2016, 235, 121-131.	3.8	84
26	A Yeast t-SNARE Involved in Endocytosis. <i>Molecular Biology of the Cell</i> , 1998, 9, 2873-2889.	2.1	83
27	A three-stage model of Golgi structure and function. <i>Histochemistry and Cell Biology</i> , 2013, 140, 239-249.	1.7	81
28	The mitochondrial protein import motor: Dissociation of mitochondrial hsp70 from its membrane anchor requires ATP binding rather than ATP hydrolysis. <i>Protein Science</i> , 1996, 5, 759-767.	7.6	80
29	An improved secretion signal enhances the secretion of model proteins from <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2018, 17, 161.	4.0	80
30	Golgi compartmentation and identity. <i>Current Opinion in Cell Biology</i> , 2014, 29, 74-81.	5.4	79
31	The yeast Golgi apparatus: Insights and mysteries. <i>FEBS Letters</i> , 2009, 583, 3746-3751.	2.8	78
32	Organization of the Golgi apparatus. <i>Current Opinion in Cell Biology</i> , 2000, 12, 450-456.	5.4	76
33	Chromophore Formation in DsRed Occurs by a Branched Pathway. <i>Journal of the American Chemical Society</i> , 2010, 132, 8496-8505.	13.7	70
34	COPI selectively drives maturation of the early Golgi. <i>ELife</i> , 2015, 4, .	6.0	70
35	The Yeast GRASP Grh1 Colocalizes with COPII and Is Dispensable for Organizing the Secretory Pathway. <i>Traffic</i> , 2010, 11, 1168-1179.	2.7	67
36	Maturation-driven transport and AP-1-dependent recycling of a secretory cargo in the Golgi. <i>Journal of Cell Biology</i> , 2019, 218, 1582-1601.	5.2	62

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37	Strong Precursor-Pore Interactions Constrain Models for Mitochondrial Protein Import. <i>Biophysical Journal</i> , 1998, 74, 1732-1743.	0.5	53
38	The Transitional ER Localization Mechanism of <i>Pichia pastoris</i> Sec12. <i>Developmental Cell</i> , 2004, 6, 649-659.	7.0	53
39	Sec16 influences transitional ER sites by regulating rather than organizing COPII. <i>Molecular Biology of the Cell</i> , 2013, 24, 3406-3419.	2.1	53
40	Structural rearrangements near the chromophore influence the maturation speed and brightness of DsRed variants. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 525-534.	2.1	49
41	Sec12 Binds to Sec16 at Transitional ER Sites. <i>PLoS ONE</i> , 2012, 7, e31156.	2.5	49
42	A Kinetic View of Membrane Traffic Pathways Can Transcend the Classical View of Golgi Compartments. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 153.	3.7	48
43	Golgi inheritance in small buds of <i>Saccharomyces cerevisiae</i> is linked to endoplasmic reticulum inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 18018-18023.	7.1	47
44	Golgi enlargement in Arf-depleted yeast cells is due to altered dynamics of cisternal maturation. <i>Journal of Cell Science</i> , 2014, 127, 250-7.	2.0	47
45	The Atg17-Atg31-Atg29 Complex Coordinates with Atg11 to Recruit the Vam7 SNARE and Mediate Autophagosome-Vacuole Fusion. <i>Current Biology</i> , 2016, 26, 150-160.	3.9	45
46	Can the Golgi form de novo?. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 615-619.	37.0	44
47	Integrated self-organization of transitional ER and early Golgi compartments. <i>BioEssays</i> , 2014, 36, 129-133.	2.5	37
48	What is the driving force for protein import into mitochondria?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1318, 71-78.	1.0	36
49	Deconstructing Golgi Inheritance. <i>Traffic</i> , 2001, 2, 589-596.	2.7	36
50	A microscopy-based kinetic analysis of yeast vacuolar protein sorting. <i>ELife</i> , 2020, 9, .	6.0	31
51	Brighter reporter genes from multimerized fluorescent proteins. <i>BioTechniques</i> , 2005, 39, 814-822.	1.8	30
52	Isolation of <i>Pichia pastoris</i> genes involved in ER-to-Golgi transport. <i>Yeast</i> , 2000, 16, 979-993.	1.7	29
53	Noncytotoxic orange and red/green derivatives of DsRed-Express2 for whole-cell labeling. <i>BMC Biotechnology</i> , 2009, 9, 32.	3.3	28
54	Cell biology: Alternatives to baker's yeast. <i>Current Biology</i> , 1996, 6, 1570-1572.	3.9	25

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55	GRASping Unconventional Secretion. <i>Cell</i> , 2007, 130, 407-409.	28.9	24
56	Cdc1p Is an Endoplasmic Reticulum-Localized Putative Lipid Phosphatase That Affects Golgi Inheritance and Actin Polarization by Activating Ca ²⁺ Signaling. <i>Molecular and Cellular Biology</i> , 2008, 28, 3336-3343.	2.3	24
57	High-Quality Immunofluorescence of Cultured Cells. <i>Methods in Molecular Biology</i> , 2010, 619, 403-410.	0.9	24
58	Activity-dependent Golgi satellite formation in dendrites reshapes the neuronal surface glycoproteome. <i>ELife</i> , 2021, 10, .	6.0	23
59	A photostable monomeric superfolder green fluorescent protein. <i>Traffic</i> , 2020, 21, 534-544.	2.7	22
60	GenoLIB: a database of biological parts derived from a library of common plasmid features. <i>Nucleic Acids Research</i> , 2015, 43, 4823-4832.	14.5	20
61	ER arrival sites associate with ER exit sites to create bidirectional transport portals. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	19
62	An improved reversibly dimerizing mutant of the FK506-binding protein FKBP. <i>Cellular Logistics</i> , 2016, 6, e1204848.	0.9	17
63	Raising the Speed Limits for 4D Fluorescence Microscopy. <i>Traffic</i> , 2000, 1, 935-940.	2.7	16
64	Acetyl-CoA flux from the cytosol to the ER regulates engagement and quality of the secretory pathway. <i>Scientific Reports</i> , 2021, 11, 2013.	3.3	16
65	Noncytotoxic DsRed Derivatives for Whole-Cell Labeling. <i>Methods in Molecular Biology</i> , 2011, 699, 355-370.	0.9	15
66	ESCargo: a regulatable fluorescent secretory cargo for diverse model organisms. <i>Molecular Biology of the Cell</i> , 2020, 31, 2892-2903.	2.1	15
67	4D Confocal Imaging of Yeast Organelles. <i>Methods in Molecular Biology</i> , 2016, 1496, 1-11.	0.9	14
68	Bioreactor-scale cell performance and protein production can be substantially increased by using a secretion signal that drives co-translational translocation in <i>Pichia pastoris</i> . <i>New Biotechnology</i> , 2021, 60, 85-95.	4.4	14
69	Improved deconvolution of very weak confocal signals. <i>F1000Research</i> , 2017, 6, 787.	1.6	13
70	Clathrin adaptors mediate two sequential pathways of intra-Golgi recycling. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	13
71	The budding yeast <i>Pichia pastoris</i> has a novel Sec23p homolog. <i>FEBS Letters</i> , 2006, 580, 5215-5221.	2.8	12
72	Visualizing Secretory Cargo Transport in Budding Yeast. <i>Current Protocols in Cell Biology</i> , 2019, 83, e80.	2.3	11

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73	Raising the Speed Limits for 4D Fluorescence Microscopy. <i>Traffic</i> , 2000, 1, 935-940.	2.7	11
74	4D Microscopy of Yeast. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	9
75	Improved deconvolution of very weak confocal signals. <i>F1000Research</i> , 2017, 6, 787.	1.6	8
76	Fluorescence Microscopy and Thin-Section Electron Microscopy. <i>Methods in Molecular Biology</i> , 2007, 389, 251-259.	0.9	3
77	New insights into protein secretion: TANGO1 runs rings around the COPII coat. <i>Journal of Cell Biology</i> , 2017, 216, 859-861.	5.2	3
78	The Secretory Pathway. , 2002, , 358-376.		1
79	Gottfried Schatz (1936â€“2015)â€™ mitochondrial pioneer and ambassador for science. <i>EMBO Journal</i> , 2015, 34, 2725-2726.	7.8	0
80	TRAPP structures reveal the big picture. <i>EMBO Journal</i> , 2021, 40, e108537.	7.8	0
81	Budding Yeast Has a Minimal Endomembrane System. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
82	Fluorescence Microscopy and Thin-Section Electron Microscopy. , 0, , 251-260.		0
83	Intra-Golgi Transport. , 2022, , .		0