

Benjamin S Glick

List of Publications by Citations

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

82

papers

7,082

citations

40

h-index

84

g-index

99

ext. papers

7,920

ext. citations

10.8

avg, IF

6.15

L-index

#	Paper	IF	Citations
82	The mechanisms of vesicle budding and fusion. <i>Cell</i> , 2004 , 116, 153-66	56.2	1372
81	Rapidly maturing variants of the Discosoma red fluorescent protein (DsRed). <i>Nature Biotechnology</i> , 2002 , 20, 83-7	44.5	499
80	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, 171-84	56.2	430
79	Golgi maturation visualized in living yeast. <i>Nature</i> , 2006 , 441, 1002-6	50.4	288
78	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	7.3	282
77	Can Hsp70 proteins act as force-generating motors?. <i>Cell</i> , 1995 , 80, 11-4	56.2	247
76	Membrane traffic within the Golgi apparatus. <i>Annual Review of Cell and Developmental Biology</i> , 2009 , 25, 113-32	12.6	232
75	Dynamics of transitional endoplasmic reticulum sites in vertebrate cells. <i>Molecular Biology of the Cell</i> , 2000 , 11, 3013-30	3.5	225
74	The curious status of the Golgi apparatus. <i>Cell</i> , 1998 , 95, 883-9	56.2	204
73	De novo formation of transitional ER sites and Golgi structures in <i>Pichia pastoris</i> . <i>Nature Cell Biology</i> , 2002 , 4, 750-6	23.4	204
72	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	7.3	186
71	Models for Golgi traffic: a critical assessment. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a005215	150.2	151
70	Journeys through the Golgi--taking stock in a new era. <i>Journal of Cell Biology</i> , 2009 , 187, 449-53	7.3	139
69	A rapidly maturing far-red derivative of DsRed-Express2 for whole-cell labeling. <i>Biochemistry</i> , 2009 , 48, 8279-81	3.2	139
68	A noncytotoxic DsRed variant for whole-cell labeling. <i>Nature Methods</i> , 2008 , 5, 955-7	21.6	133
67	Sec16 is a determinant of transitional ER organization. <i>Current Biology</i> , 2005 , 15, 1439-47	6.3	132
66	A versatile set of vectors for constitutive and regulated gene expression in <i>Pichia pastoris</i> . <i>Yeast</i> , 1998 , 14, 783-90	3.4	127

65	Tomographic evidence for continuous turnover of Golgi cisternae in <i>Pichia pastoris</i> . <i>Molecular Biology of the Cell</i> , 2003 , 14, 2277-91	3.5	116
64	Import of cytochrome b2 to the mitochondrial intermembrane space: the tightly folded heme-binding domain makes import dependent upon matrix ATP. <i>Protein Science</i> , 1993 , 2, 1901-17	6.3	106
63	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, 839-49	3.5	104
62	A yeast t-SNARE involved in endocytosis. <i>Molecular Biology of the Cell</i> , 1998 , 9, 2873-89	3.5	80
61	Budding Yeast Has a Minimal Endomembrane System. <i>Developmental Cell</i> , 2018 , 44, 56-72.e4	10.2	79
60	<i>Saccharomyces cerevisiae</i> mitochondria lack a bacterial-type sec machinery. <i>Protein Science</i> , 1996 , 5, 2651-2	6.3	79
59	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, 759-67	6.3	77
58	Organization of the Golgi apparatus. <i>Current Opinion in Cell Biology</i> , 2000 , 12, 450-6	9	72
57	Golgi compartmentation and identity. <i>Current Opinion in Cell Biology</i> , 2014 , 29, 74-81	9	70
56	The yeast Golgi apparatus: insights and mysteries. <i>FEBS Letters</i> , 2009 , 583, 3746-51	3.8	67
55	A three-stage model of Golgi structure and function. <i>Histochemistry and Cell Biology</i> , 2013 , 140, 239-49	2.4	58
54	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	6.4	57
53	The yeast GRASP Grh1 colocalizes with COPII and is dispensable for organizing the secretory pathway. <i>Traffic</i> , 2010 , 11, 1168-79	5.7	57
52	Refined <i>Pichia pastoris</i> reference genome sequence. <i>Journal of Biotechnology</i> , 2016 , 235, 121-31	3.7	55
51	Chromophore formation in DsRed occurs by a branched pathway. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8496-505	16.4	53
50	Strong precursor-pore interactions constrain models for mitochondrial protein import. <i>Biophysical Journal</i> , 1998 , 74, 1732-43	2.9	52
49	COPI selectively drives maturation of the early Golgi. <i>ELife</i> , 2015 , 4,	8.9	52
48	The transitional ER localization mechanism of <i>Pichia pastoris</i> Sec12. <i>Developmental Cell</i> , 2004 , 6, 649-59	10.2	50

47	Sec16 influences transitional ER sites by regulating rather than organizing COPII. <i>Molecular Biology of the Cell</i> , 2013 , 24, 3406-19	3.5	44
46	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, 18018-23	11.5	44
45	Structural rearrangements near the chromophore influence the maturation speed and brightness of DsRed variants. <i>Protein Engineering, Design and Selection</i> , 2007 , 20, 525-34	1.9	43
44	An improved secretion signal enhances the secretion of model proteins from <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 161	6.4	41
43	Can the Golgi form de novo?. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 615-9	48.7	40
42	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	5.3	39
41	Sec12 binds to Sec16 at transitional ER sites. <i>PLoS ONE</i> , 2012 , 7, e31156	3.7	39
40	Deconstructing Golgi inheritance. <i>Traffic</i> , 2001 , 2, 589-96	5.7	36
39	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	7.3	35
38	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	6.3	34
37	What is the driving force for protein import into mitochondria?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997 , 1318, 71-8	4.6	32
36	Isolation of <i>Pichia pastoris</i> genes involved in ER-to-Golgi transport. <i>Yeast</i> , 2000 , 16, 979-93	3.4	27
35	Brighter reporter genes from multimerized fluorescent proteins. <i>BioTechniques</i> , 2005 , 39, 814, 816, 818 passim	2.5	25
34	Cell biology: alternatives to baker's yeast. <i>Current Biology</i> , 1996 , 6, 1570-2	6.3	25
33	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	5.7	24
32	Noncytotoxic orange and red/green derivatives of DsRed-Express2 for whole-cell labeling. <i>BMC Biotechnology</i> , 2009 , 9, 32	3.5	24
31	GRASping unconventional secretion. <i>Cell</i> , 2007 , 130, 407-9	56.2	22
30	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, 3336-43	4.8	20

29	Integrated self-organization of transitional ER and early Golgi compartments. <i>BioEssays</i> , 2014 , 36, 129-33	3.1	18
28	A General Method to Improve Fluorophores Using Deuterated Auxochromes. <i>Jacs Au</i> , 2021 , 1, 690-696		17
27	High-quality immunofluorescence of cultured cells. <i>Methods in Molecular Biology</i> , 2010 , 619, 403-10	1.4	16
26	GenoLIB: a database of biological parts derived from a library of common plasmid features. <i>Nucleic Acids Research</i> , 2015 , 43, 4823-32	20.1	14
25	A microscopy-based kinetic analysis of yeast vacuolar protein sorting. <i>ELife</i> , 2020 , 9,	8.9	13
24	Noncytotoxic DsRed derivatives for whole-cell labeling. <i>Methods in Molecular Biology</i> , 2011 , 699, 355-70	1.4	11
23	The budding yeast <i>Pichia pastoris</i> has a novel Sec23p homolog. <i>FEBS Letters</i> , 2006 , 580, 5215-21	3.8	11
22	Raising the Speed Limits for 4D Fluorescence Microscopy. <i>Traffic</i> , 2000 , 1, 935-940	5.7	10
21	ER arrival sites associate with ER exit sites to create bidirectional transport portals. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	10
20	4D Confocal Imaging of Yeast Organelles. <i>Methods in Molecular Biology</i> , 2016 , 1496, 1-11	1.4	10
19	An improved reversibly dimerizing mutant of the FK506-binding protein FKBP. <i>Cellular Logistics</i> , 2016 , 6, e1204848		9
18	Improved deconvolution of very weak confocal signals. <i>F1000Research</i> , 2017 , 6, 787	3.6	9
17	Improved deconvolution of very weak confocal signals. <i>F1000Research</i> , 2017 , 6, 787	3.6	7
16	A photostable monomeric superfolder green fluorescent protein. <i>Traffic</i> , 2020 , 21, 534-544	5.7	6
15	Acetyl-CoA flux from the cytosol to the ER regulates engagement and quality of the secretory pathway. <i>Scientific Reports</i> , 2021 , 11, 2013	4.9	6
14	4D Microscopy of Yeast. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	5
13	Visualizing Secretory Cargo Transport in Budding Yeast. <i>Current Protocols in Cell Biology</i> , 2019 , 83, e80	2.3	5
12	Raising the Speed Limits for 4D Fluorescence Microscopy. <i>Traffic</i> , 2000 , 1, 935-940	5.7	4

11	ESCargo: a regulatable fluorescent secretory cargo for diverse model organisms. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2892-2903	3.5	4
10	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	6.4	4
9	New insights into protein secretion: TANGO1 runs rings around the COPII coat. <i>Journal of Cell Biology</i> , 2017 , 216, 859-861	7.3	3
8	Fluorescence microscopy and thin-section electron microscopy. <i>Methods in Molecular Biology</i> , 2007 , 389, 251-60	1.4	3
7	Deuteration improves small-molecule fluorophores		2
6	Activity-dependent Golgi satellite formation in dendrites reshapes the neuronal surface glycoproteome. <i>ELife</i> , 2021 , 10,	8.9	2
5	The Secretory Pathway 2002 , 358-376		1
4	Clathrin adaptors mediate two sequential pathways of intra-Golgi recycling. <i>Journal of Cell Biology</i> , 2022 , 221,	7.3	1
3	To Stack or not to Stack: The Yeast Golgi Apparatus 2018 , 1-16		1
2	Gottfried Schatz (1936-2015)-mitochondrial pioneer and ambassador for science. <i>EMBO Journal</i> , 2015 , 34, 2725-6	13	
1	TRAPP structures reveal the big picture. <i>EMBO Journal</i> , 2021 , 40, e108537	13	