Catherine L Jackson

List of Publications by Year
in descending order

68 papers	8,635 citations	66234 42 h-index	102304 66 g-index
72 all docs	72 docs citations	72 times ranked	7819 citing authors

#	Article	IF	Citations
1	ARF family G proteins and their regulators: roles in membrane transport, development and disease. Nature Reviews Molecular Cell Biology, 2011, 12, 362-375.	16.1	801
2	Coordinated Polar Localization of Auxin Efflux Carrier PIN1 by GNOM ARF GEF. Science, 1999, 286, 316-318.	6.0	754
3	A human exchange factor for ARF contains Sec7- and pleckstrin-homology domains. Nature, 1996, 384, 481-484.	13.7	468
4	Turning on ARF: the Sec7 family of guanine-nucleotide-exchange factors. Trends in Cell Biology, 2000, 10, 60-67.	3.6	446
5	Brefeldin A Acts to Stabilize an Abortive ARFâ€“GDPâ€“Sec7 Domain Protein Complex. Molecular Cell, 1999, 3, 275-285.	4.5	421
6	Regulators and effectors of the ARF GTPases. Current Opinion in Cell Biology, 2000, 12, 475-482.	2.6	369
7	Phosphatidylserine transport by ORP/Osh proteins is driven by phosphatidylinositol 4-phosphate. Science, 2015, 349, 432-436.	6.0	301
8	Nucleotide exchange on ARF mediated by yeast Geal protein. Nature, 1996, 384, 479-481.	13.7	277
9	ATGL has a key role in lipid droplet/adiposome degradation in mammalian cells. EMBO Reports, 2006, 7, 106-113.	2.0	272
10	Conjugation in Saccharomyces cerevisiae. Annual Review of Cell Biology, 1988, 4, 429-455.	26.0	263
11	Dynamics of GBF1, a Brefeldin A-Sensitive Arf1 Exchange Factor at the Golgi. Molecular Biology of the Cell, 2005, 16, 1213-1222.	0.9	225
12	Coatomer-dependent protein delivery to lipid droplets. Journal of Cell Science, 2009, 122, 1834-1841.	1.2	216
13	Courtship in S. cerevisiae: Both cell types choose mating partners by responding to the strongest pheromone signal. Cell, 1990, 63, 1039-1051.	13.5	207
14	ORP5/ORP8 localize to endoplasmic reticulumâ€“mitochondria contacts and are involved in mitochondrial function. EMBO Reports, 2016, 17, 800-810.	2.0	206
15	Î±-Synuclein and ALPS motifs are membrane curvature sensors whose contrasting chemistry mediates selective vesicle binding. Journal of Cell Biology, 2011, 194, 89-103.	2.3	177
16	GBF1, a Guanine Nucleotide Exchange Factor for Arf, Is Crucial for Coxsackievirus B3 RNA Replication. Journal of Virology, 2009, 83, 11940-11949.	1.5	164
17	Hijacking Components of the Cellular Secretory Pathway for Replication of Poliovirus RNA. Journal of Virology, 2007, 81, 558-567.	1.5	156
18	A Viral Protein that Blocks Arf1-Mediated COP-I Assembly by Inhibiting the Guanine Nucleotide Exchange Factor GBF1. Developmental Cell, 2006, 11, 191-201.	3.1	138

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19	S. cerevisiae Î± pheromone receptors activate a novel signal transduction pathway for mating partner discrimination. Cell, 1991, 67, 389-402.	13.5	137
20	Phylogenetic Analysis of Sec7-Domainâ€“containing Arf Nucleotide Exchangers. Molecular Biology of the Cell, 2004, 15, 1487-1505.	0.9	134
21	Lipids and Their Trafficking: An Integral Part of Cellular Organization. Developmental Cell, 2016, 39, 139-153.	3.1	125
22	The SNARE Sec22b has a non-fusogenic function in plasma membrane expansion. Nature Cell Biology, 2014, 16, 434-444.	4.6	123
23	Regulation of a Golgi flippase by phosphoinositides and an ArfGEF. Nature Cell Biology, 2009, 11, 1421-1426.	4.6	119
24	A Critical Role of a Cellular Membrane Traffic Protein in Poliovirus RNA Replication. PLoS Pathogens, 2008, 4, e1000216.	2.1	118
25	Arfs at a Glance. Journal of Cell Science, 2014, 127, 4103-9.	1.2	106
26	Effects of Picornavirus 3A Proteins on Protein Transport and GBF1-Dependent COP-I Recruitment. Journal of Virology, 2006, 80, 11852-11860.	1.5	105
27	Interdigitation between Triglycerides and Lipids Modulates Surface Properties of Lipid Droplets. Biophysical Journal, 2017, 112, 1417-1430.	0.2	102
28	Controlling small guanine-nucleotide-exchange factor function through cytoplasmic RNA intramers. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4961-4965.	3.3	101
29	Mechanisms of transport through the Golgi complex. Journal of Cell Science, 2009, 122, 443-452.	1.2	100
30	The Arf activator Gea2p and the P-type ATPase Drs2p interact at the Golgi in Saccharomyces cerevisiae. Journal of Cell Science, 2004, 117, 711-722.	1.2	97
31	Lipid droplet biogenesis. Current Opinion in Cell Biology, 2019, 59, 88-96.	2.6	93
32	A giant amphipathic helix from a perilipin that is adapted for coating lipid droplets. Nature Communications, 2018, 9, 1332.	5.8	89
33	Large Arf1 guanine nucleotide exchange factors: evolution, domain structure, and roles in membrane trafficking and human disease. Molecular Genetics and Genomics, 2009, 282, 329-350.	1.0	86
34	Kinetic Studies of the Arf Activator Arno on Model Membranes in the Presence of Arf Effectors Suggest Control by a Positive Feedback Loop. Journal of Biological Chemistry, 2011, 286, 3873-3883.	1.6	70
35	The ARF exchange factors Gea1p and Gea2p regulate Golgi structure and function in yeast. Journal of Cell Science, 2001, 114, 2241-2253.	1.2	68
36	Targeting of the Arf-GEF GBF1 to lipid droplets and Golgi membranes. Journal of Cell Science, 2013, 126, 4794-805.	1.2	67

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37	Molecular Determinants of the Interaction between Coxsackievirus Protein 3A and Guanine Nucleotide Exchange Factor GBF1. Journal of Virology, 2007, 81, 5238-5245.	1.5	63
38	A COPI coat subunit interacts directly with an earlyâ€Golgi localized Arf exchange factor. EMBO Reports, 2009, 10, 58-64.	2.0	61
39	Poliovirus replication requires the N-terminus but not the catalytic Sec7 domain of ArfGEF GBF1. Cellular Microbiology, 2010, 12, 1463-1479.	1.1	59
40	Brefeldin A Revealing the Fundamental Principles Governing Membrane Dynamics and Protein Transport. , 2000, 34, 233-272.		57
41	Interaction between the Triglyceride Lipase ATGL and the Arf1 Activator GBF1. PLoS ONE, 2011, 6, e21889.	1.1	56
42	GBF1 and Arf1 function in vesicular trafficking, lipid homoeostasis and organelle dynamics. Biology of the Cell, 2017, 109, 391-399.	0.7	52
43	A Novel Golgi Membrane Protein Is a Partner of the ARF Exchange Factors Gea1p and Gea2p. Molecular Biology of the Cell, 2003, 14, 2357-2371.	0.9	50
44	Interactions between Conserved Domains within Homodimers in the BIG1, BIG2, and GBF1 Arf Guanine Nucleotide Exchange Factors. Journal of Biological Chemistry, 2007, 282, 28834-28842.	1.6	48
45	Three dimensional configuration of the secretory pathway and segregation of secretion granules in the yeast Saccharomyces cerevisiae. Journal of Cell Science, 2001, 114, 2231-2239.	1.2	48
46	Recycling of Raft-associated Prohormone Sorting Receptor Carboxypeptidase E Requires Interaction with ARF6. Molecular Biology of the Cell, 2003, 14, 4448-4457.	0.9	42
47	Membrane Traffic: Arl GTPases Get a GRIP on the Golgi. Current Biology, 2003, 13, R174-R176.	1.8	36
48	Effects of brefeldin a on the three-dimensional structure of the golgi apparatus in a sensitive strain ofsaccharomyces cerevisiae. The Anatomical Record, 1995, 241, 1-9.	2.3	32
49	GBF1 and Arf1 interact with Miro and regulate mitochondrial positioning within cells. Scientific Reports, 2018, 8, 17121.	1.6	29
50	Identification of class II ADP-ribosylation factors as cellular factors required for hepatitis C virus replication. Cellular Microbiology, 2016, 18, 1121-1133.	1.1	28
51	Identification of GBF1 as a cellular factor required for hepatitis E virus RNA replication. Cellular Microbiology, 2018, 20, e12804.	1.1	28
52	Trs65p, a subunit of the Ypt1p GEF TRAPPII, interacts with the Arf1p exchange factor Gea2p to facilitate COPI-mediated vesicle traffic. Molecular Biology of the Cell, 2011, 22, 3634-3644.	0.9	26
53	Activators and Effectors of the Small G Protein Arf1 in Regulation of Golgi Dynamics During the Cell Division Cycle. Frontiers in Cell and Developmental Biology, 2018, 6, 29.	1.8	25
54	Endosome-Specific Localization and Function of the ARF Activator GNOM. Cell, 2003, 112, 141-142.	13.5	24

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55	Mutations in a Highly Conserved Region of the Arf1p Activator GEA2 Block Anterograde Golgi Transport but Not COPI Recruitment to Membranes. Molecular Biology of the Cell, 2005, 16, 3786-3799.	0.9	23
56	N-terminal acetylation targets GTPases to membranes. Nature Cell Biology, 2004, 6, 379-380.	4.6	19
57	Kicking off the insulin cascade. Nature, 2006, 444, 833-834.	13.7	17
58	[31] Functional analysis of ADP-ribosylation factor (ARF) guanine nucleotide exchange factors Gea1p and Gea2p in yeast. Methods in Enzymology, 2001, 329, 290-300.	0.4	16
59	Functional and Physical Interaction between the Arf Activator GBF1 and Hepatitis C Virus NS3 Protein. Journal of Virology, 2019, 93, .	1.5	16
60	Ultrastructural modifications of vesicular and Golgi elements in theSaccharomyces cerevisiae sec21mutant at permissive and non-permissive temperatures. The Anatomical Record, 1994, 240, 32-41.	2.3	14
61	Inheritance of the Golgi Apparatus and Cytokinesis Are Controlled by Degradation of GBF1. Cell Reports, 2018, 23, 3381-3391.e4.	2.9	13
62	Fatty Acid Metabolism Meets Organelle Dynamics. Developmental Cell, 2015, 32, 657-658.	3.1	11
63	Hepatitis C Virus Replication and Golgi Function in Brefeldin A-Resistant Hepatoma-Derived Cells. PLoS ONE, 2013, 8, e74491.	1.1	9
64	GEF-effector interactions. Cellular Logistics, 2014, 4, e943616.	0.9	9
65	Arf Proteins and Their Regulators: At the Interface Between Membrane Lipids and the Protein Trafficking Machinery. , 2014, , 151-180.		6
66	Membrane Trafficking: A Little Flexibility Helps Vesicles Get into Shape. Current Biology, 2018, 28, R706-R709.	1.8	4
67	The Sec7 Family of Arf Guanine Nucleotide Exchange Factors. , 2004, , 71-99.		2
68	An MBoC Favorite: ARF is required for maintenance of yeast Golgi and endosome structure and function. Molecular Biology of the Cell, 2012, 23, 2822-2822.	0.9	0