

Catherine L Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

8,635
citations

66343

42
h-index

102487

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. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 362-375. | 37.0 | 801 |
| 2 | Coordinated Polar Localization of Auxin Efflux Carrier PIN1 by GNOM ARF GEF. <i>Science</i> , 1999, 286, 316-318. | 12.6 | 754 |
| 3 | A human exchange factor for ARF contains Sec7- and pleckstrin-homology domains. <i>Nature</i> , 1996, 384, 481-484. | 27.8 | 468 |
| 4 | Turning on ARF: the Sec7 family of guanine-nucleotide-exchange factors. <i>Trends in Cell Biology</i> , 2000, 10, 60-67. | 7.9 | 446 |
| 5 | Brefeldin A Acts to Stabilize an Abortive ARF-GDP-Sec7 Domain Protein Complex. <i>Molecular Cell</i> , 1999, 3, 275-285. | 9.7 | 421 |
| 6 | Regulators and effectors of the ARF GTPases. <i>Current Opinion in Cell Biology</i> , 2000, 12, 475-482. | 5.4 | 369 |
| 7 | Phosphatidylserine transport by ORP/Osh proteins is driven by phosphatidylinositol 4-phosphate. <i>Science</i> , 2015, 349, 432-436. | 12.6 | 301 |
| 8 | Nucleotide exchange on ARF mediated by yeast Geal protein. <i>Nature</i> , 1996, 384, 479-481. | 27.8 | 277 |
| 9 | ATGL has a key role in lipid droplet/adiposome degradation in mammalian cells. <i>EMBO Reports</i> , 2006, 7, 106-113. | 4.5 | 272 |
| 10 | Conjugation in <i>Saccharomyces cerevisiae</i> . <i>Annual Review of Cell Biology</i> , 1988, 4, 429-455. | 26.1 | 263 |
| 11 | Dynamics of GBF1, a Brefeldin A-Sensitive Arf1 Exchange Factor at the Golgi. <i>Molecular Biology of the Cell</i> , 2005, 16, 1213-1222. | 2.1 | 225 |
| 12 | Coatomer-dependent protein delivery to lipid droplets. <i>Journal of Cell Science</i> , 2009, 122, 1834-1841. | 2.0 | 216 |
| 13 | Courtship in <i>S. cerevisiae</i> : Both cell types choose mating partners by responding to the strongest pheromone signal. <i>Cell</i> , 1990, 63, 1039-1051. | 28.9 | 207 |
| 14 | ORP5/ORP8 localize to endoplasmic reticulum-mitochondria contacts and are involved in mitochondrial function. <i>EMBO Reports</i> , 2016, 17, 800-810. | 4.5 | 206 |
| 15 | ±-Synuclein and ALPS motifs are membrane curvature sensors whose contrasting chemistry mediates selective vesicle binding. <i>Journal of Cell Biology</i> , 2011, 194, 89-103. | 5.2 | 177 |
| 16 | GBF1, a Guanine Nucleotide Exchange Factor for Arf, Is Crucial for Coxsackievirus B3 RNA Replication. <i>Journal of Virology</i> , 2009, 83, 11940-11949. | 3.4 | 164 |
| 17 | Hijacking Components of the Cellular Secretory Pathway for Replication of Poliovirus RNA. <i>Journal of Virology</i> , 2007, 81, 558-567. | 3.4 | 156 |
| 18 | A Viral Protein that Blocks Arf1-Mediated COP-I Assembly by Inhibiting the Guanine Nucleotide Exchange Factor GBF1. <i>Developmental Cell</i> , 2006, 11, 191-201. | 7.0 | 138 |

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|----|--|------|-----------|
| 19 | <i>S. cerevisiae</i> $\hat{\pm}$ pheromone receptors activate a novel signal transduction pathway for mating partner discrimination. <i>Cell</i> , 1991, 67, 389-402. | 28.9 | 137 |
| 20 | Phylogenetic Analysis of Sec7-Domain-containing Arf Nucleotide Exchangers. <i>Molecular Biology of the Cell</i> , 2004, 15, 1487-1505. | 2.1 | 134 |
| 21 | Lipids and Their Trafficking: An Integral Part of Cellular Organization. <i>Developmental Cell</i> , 2016, 39, 139-153. | 7.0 | 125 |
| 22 | The SNARE Sec22b has a non-fusogenic function in plasma membrane expansion. <i>Nature Cell Biology</i> , 2014, 16, 434-444. | 10.3 | 123 |
| 23 | Regulation of a Golgi flippase by phosphoinositides and an ArfGEF. <i>Nature Cell Biology</i> , 2009, 11, 1421-1426. | 10.3 | 119 |
| 24 | A Critical Role of a Cellular Membrane Traffic Protein in Poliovirus RNA Replication. <i>PLoS Pathogens</i> , 2008, 4, e1000216. | 4.7 | 118 |
| 25 | Arfs at a Glance. <i>Journal of Cell Science</i> , 2014, 127, 4103-9. | 2.0 | 106 |
| 26 | Effects of Picornavirus 3A Proteins on Protein Transport and GBF1-Dependent COP-I Recruitment. <i>Journal of Virology</i> , 2006, 80, 11852-11860. | 3.4 | 105 |
| 27 | Interdigitation between Triglycerides and Lipids Modulates Surface Properties of Lipid Droplets. <i>Biophysical Journal</i> , 2017, 112, 1417-1430. | 0.5 | 102 |
| 28 | Controlling small guanine-nucleotide-exchange factor function through cytoplasmic RNA intramers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4961-4965. | 7.1 | 101 |
| 29 | Mechanisms of transport through the Golgi complex. <i>Journal of Cell Science</i> , 2009, 122, 443-452. | 2.0 | 100 |
| 30 | The Arf activator Gea2p and the P-type ATPase Drs2p interact at the Golgi in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 2004, 117, 711-722. | 2.0 | 97 |
| 31 | Lipid droplet biogenesis. <i>Current Opinion in Cell Biology</i> , 2019, 59, 88-96. | 5.4 | 93 |
| 32 | A giant amphipathic helix from a perilipin that is adapted for coating lipid droplets. <i>Nature Communications</i> , 2018, 9, 1332. | 12.8 | 89 |
| 33 | Large Arf1 guanine nucleotide exchange factors: evolution, domain structure, and roles in membrane trafficking and human disease. <i>Molecular Genetics and Genomics</i> , 2009, 282, 329-350. | 2.1 | 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. <i>Journal of Biological Chemistry</i> , 2011, 286, 3873-3883. | 3.4 | 70 |
| 35 | The ARF exchange factors Gea1p and Gea2p regulate Golgi structure and function in yeast. <i>Journal of Cell Science</i> , 2001, 114, 2241-2253. | 2.0 | 68 |
| 36 | Targeting of the Arf-GEF GBF1 to lipid droplets and Golgi membranes. <i>Journal of Cell Science</i> , 2013, 126, 4794-805. | 2.0 | 67 |

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|----|--|------|-----------|
| 37 | Molecular Determinants of the Interaction between Coxsackievirus Protein 3A and Guanine Nucleotide Exchange Factor GBF1. <i>Journal of Virology</i> , 2007, 81, 5238-5245. | 3.4 | 63 |
| 38 | A COPI coat subunit interacts directly with an early Golgi localized Arf exchange factor. <i>EMBO Reports</i> , 2009, 10, 58-64. | 4.5 | 61 |
| 39 | Poliovirus replication requires the N-terminus but not the catalytic Sec7 domain of ArfGEF GBF1. <i>Cellular Microbiology</i> , 2010, 12, 1463-1479. | 2.1 | 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. <i>PLoS ONE</i> , 2011, 6, e21889. | 2.5 | 56 |
| 42 | GBF1 and Arf1 function in vesicular trafficking, lipid homeostasis and organelle dynamics. <i>Biology of the Cell</i> , 2017, 109, 391-399. | 2.0 | 52 |
| 43 | A Novel Golgi Membrane Protein Is a Partner of the ARF Exchange Factors Gea1p and Gea2p. <i>Molecular Biology of the Cell</i> , 2003, 14, 2357-2371. | 2.1 | 50 |
| 44 | Interactions between Conserved Domains within Homodimers in the BIG1, BIG2, and GBF1 Arf Guanine Nucleotide Exchange Factors. <i>Journal of Biological Chemistry</i> , 2007, 282, 28834-28842. | 3.4 | 48 |
| 45 | Three dimensional configuration of the secretory pathway and segregation of secretion granules in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 2001, 114, 2231-2239. | 2.0 | 48 |
| 46 | Recycling of Raft-associated Prohormone Sorting Receptor Carboxypeptidase E Requires Interaction with ARF6. <i>Molecular Biology of the Cell</i> , 2003, 14, 4448-4457. | 2.1 | 42 |
| 47 | Membrane Traffic: Arl GTPases Get a GRIP on the Golgi. <i>Current Biology</i> , 2003, 13, R174-R176. | 3.9 | 36 |
| 48 | Effects of brefeldin a on the three-dimensional structure of the golgi apparatus in a sensitive strain of <i>saccharomyces cerevisiae</i> . <i>The Anatomical Record</i> , 1995, 241, 1-9. | 1.8 | 32 |
| 49 | GBF1 and Arf1 interact with Miro and regulate mitochondrial positioning within cells. <i>Scientific Reports</i> , 2018, 8, 17121. | 3.3 | 29 |
| 50 | Identification of class II ADP-ribosylation factors as cellular factors required for hepatitis C virus replication. <i>Cellular Microbiology</i> , 2016, 18, 1121-1133. | 2.1 | 28 |
| 51 | Identification of GBF1 as a cellular factor required for hepatitis E virus RNA replication. <i>Cellular Microbiology</i> , 2018, 20, e12804. | 2.1 | 28 |
| 52 | Trs65p, a subunit of the Ypt1p GEF TRAPP ^{II} , interacts with the Arf1p exchange factor Gea2p to facilitate COPI-mediated vesicle traffic. <i>Molecular Biology of the Cell</i> , 2011, 22, 3634-3644. | 2.1 | 26 |
| 53 | Activators and Effectors of the Small G Protein Arf1 in Regulation of Golgi Dynamics During the Cell Division Cycle. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 29. | 3.7 | 25 |
| 54 | Endosome-Specific Localization and Function of the ARF Activator GNOM. <i>Cell</i> , 2003, 112, 141-142. | 28.9 | 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. <i>Molecular Biology of the Cell</i> , 2005, 16, 3786-3799. | 2.1 | 23 |
| 56 | N-terminal acetylation targets GTPases to membranes. <i>Nature Cell Biology</i> , 2004, 6, 379-380. | 10.3 | 19 |
| 57 | Kicking off the insulin cascade. <i>Nature</i> , 2006, 444, 833-834. | 27.8 | 17 |
| 58 | [31] Functional analysis of ADP-ribosylation factor (ARF) guanine nucleotide exchange factors Gea1p and Gea2p in yeast. <i>Methods in Enzymology</i> , 2001, 329, 290-300. | 1.0 | 16 |
| 59 | Functional and Physical Interaction between the Arf Activator GBF1 and Hepatitis C Virus NS3 Protein. <i>Journal of Virology</i> , 2019, 93, . | 3.4 | 16 |
| 60 | Ultrastructural modifications of vesicular and Golgi elements in the <i>Saccharomyces cerevisiae</i> sec21 mutant at permissive and non-permissive temperatures. <i>The Anatomical Record</i> , 1994, 240, 32-41. | 1.8 | 14 |
| 61 | Inheritance of the Golgi Apparatus and Cytokinesis Are Controlled by Degradation of GBF1. <i>Cell Reports</i> , 2018, 23, 3381-3391.e4. | 6.4 | 13 |
| 62 | Fatty Acid Metabolism Meets Organelle Dynamics. <i>Developmental Cell</i> , 2015, 32, 657-658. | 7.0 | 11 |
| 63 | Hepatitis C Virus Replication and Golgi Function in Brefeldin A-Resistant Hepatoma-Derived Cells. <i>PLoS ONE</i> , 2013, 8, e74491. | 2.5 | 9 |
| 64 | GEF-effector interactions. <i>Cellular Logistics</i> , 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. <i>Current Biology</i> , 2018, 28, R706-R709. | 3.9 | 4 |
| 67 | The Sec7 Family of Arf Guanine Nucleotide Exchange Factors. , 2004, , 71-99. | | 2 |
| 68 | An <i>MBoC</i> Favorite: ARF is required for maintenance of yeast Golgi and endosome structure and function. <i>Molecular Biology of the Cell</i> , 2012, 23, 2822-2822. | 2.1 | 0 |