Richard A Kahn

List of Publications by Year
in descending order

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138 papers	8,590 citations	44069 48 h-index	48315 88 g-index
147 all docs	147 docs citations	147 times ranked	6761 citing authors

#	Article	IF	Citations
1	The ARF GAPs ELMOD1 and ELMOD3 act at the Golgi and cilia to regulate ciliogenesis and ciliary protein traffic. Molecular Biology of the Cell, 2022, 33, mbcE21090443.	2.1	5
2	Phylogenetic profiling and cellular analyses of ARL16 reveal roles in traffic of IFT140 and INPP5E. Molecular Biology of the Cell, 2022, 33, mbcE21100509T.	2.1	10
3	Roles for ELMOD2 and Rootletin in ciliogenesis. Molecular Biology of the Cell, 2021, 32, 800-822.	2.1	20
4	A Eukaryote-Wide Perspective on the Diversity and Evolution of the ARF GTPase Protein Family. Genome Biology and Evolution, 2021, 13, .	2.5	18
5	ARF family GTPases with links to cilia. American Journal of Physiology - Cell Physiology, 2020, 319, C404-C418.	4.6	29
6	The ARF GAP ELMOD2 acts with different GTPases to regulate centrosomal microtubule nucleation and cytokinesis. Molecular Biology of the Cell, 2020, 31, 2070-2091.	2.1	14
7	ARL13B regulates Sonic hedgehog signaling from outside primary cilia. ELife, 2020, 9, .	6.0	60
8	Ancient complement and lineage-specific evolution of the Sec7 ARF GEF proteins in eukaryotes. Molecular Biology of the Cell, 2019, 30, 1846-1863.	2.1	21
9	ARF GTPases and their GEFs and GAPs: concepts and challenges. Molecular Biology of the Cell, 2019, 30, 1249-1271.	2.1	188
10	ELMOD2 regulates mitochondrial fusion in a mitofusin-dependent manner, downstream of ARL2. Molecular Biology of the Cell, 2019, 30, 1198-1213.	2.1	20
11	Homozygous Variant inARL3Causes Autosomal Recessive Cone Rod Dystrophy. , 2019, 60, 4811.		12
12	The ARF guanine nucleotide exchange factor GBF1 is targeted to Golgi membranes through a PIP-binding domain. Journal of Cell Science, 2018, 131, .	2.0	30
13	Compositional complexity of rods and rings. Molecular Biology of the Cell, 2018, 29, 2303-2316.	2.1	23
14	A Trimer Consisting of the Tubulin-specific Chaperone D (TBCD), Regulatory GTPase ARL2, and Î²-Tubulin Is Required for Maintaining the Microtubule Network. Journal of Biological Chemistry, 2017, 292, 4336-4349.	3.4	41
15	Biochemical characterization of purified mammalian ARL13B protein indicates that it is an atypical GTPase and ARL3 guanine nucleotide exchange factor (GEF). Journal of Biological Chemistry, 2017, 292, 11091-11108.	3.4	51
16	Nucleotide Binding to ARL2 in the TBCD â^™ ARL2 â^™ Î²-Tubulin Complex Drives Conformational Changes in Î²-Tubulin. Journal of Molecular Biology, 2017, 429, 3696-3716.	4.2	18
17	The ARL2 GTPase regulates mitochondrial fusion from the intermembrane space. Cellular Logistics, 2017, 7, e1340104.	0.9	18
18	A novel homozygous ARL13B variant in patients with Joubert syndrome impairs its guanine nucleotide-exchange factor activity. European Journal of Human Genetics, 2017, 25, 1324-1334.	2.8	9

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19	The abundance of the ARL2 GTPase and its GAP, ELMOD2, at mitochondria are modulated by the fusogenic activity of mitofusins and stressors. PLoS ONE, 2017, 12, e0175164.	2.5	18
20	Mistakes in translation: Reflections on mechanism. PLoS ONE, 2017, 12, e0180566.	2.5	6
21	Higher order signaling: ARL2 as regulator of both mitochondrial fusion and microtubule dynamics allows integration of 2 essential cell functions. Small GTPases, 2016, 7, 188-196.	1.6	17
22	Use of a Grant Writing Class in Training <scp>PhD</scp> Students. Traffic, 2016, 17, 803-814.	2.7	9
23	Plasmids for variable expression of proteins targeted to the mitochondrial matrix or intermembrane space. Cellular Logistics, 2016, 6, e1247939.	0.9	11
24	Corporate Funding of Nutrition Research and Unjustified Conclusions. JAMA Internal Medicine, 2016, 176, 717.	5.1	0
25	Oligomerization of the Sec7 domain Arf guanine nucleotide exchange factor GBF1 is dispensable for Golgi localization and function but regulates degradation. American Journal of Physiology - Cell Physiology, 2016, 310, C456-C469.	4.6	19
26	Arl13b regulates Shh signaling from both inside and outside the cilium. Molecular Biology of the Cell, 2016, 27, 3780-3790.	2.1	67
27	Biallelic Mutations in TBCD , Encoding the Tubulin Folding Cofactor D, Perturb Microtubule Dynamics and Cause Early-Onset Encephalopathy. American Journal of Human Genetics, 2016, 99, 962-973.	6.2	66
28	Arl13b and the exocyst interact synergistically in ciliogenesis. Molecular Biology of the Cell, 2016, 27, 308-320.	2.1	66
29	LRRK2 autophosphorylation enhances its GTPase activity. FASEB Journal, 2016, 30, 336-347.	0.5	48
30	Tool box: Plasmids for the expression or knockdown of human ARF Family GTPases (ARF/ARL/SAR) and their co-expression in bacteria with N-myristoyltransferases. Cellular Logistics, 2015, 5, e1090523.	0.9	1
31	A PH Domain with Dual Phospholipid Binding Sites Regulates the ARF GAP, ASAP1. Structure, 2015, 23, 1971-1973.	3.3	4
32	Reverse Two-Hybrid Techniques in the Yeast Saccharomyces cerevisiae. Methods in Molecular Biology, 2015, 1278, 433-446.	0.9	0
33	The ARL2 GTPase Is Required for Mitochondrial Morphology, Motility, and Maintenance of ATP Levels. PLoS ONE, 2014, 9, e99270.	2.5	38
34	Is the model of signal amplification by GPCRs/GEFs activating multiple GTPases relevant to a broad spectrum of heterotrimeric and RAS superfamily GTPases?. Cellular Logistics, 2014, 4, e943602.	0.9	3
35	Interaction of Fapp1 with Arf1 and PI4P at a Membrane Surface: An Example of Coincidence Detection. Structure, 2014, 22, 421-430.	3.3	31
36	Regulating the large Sec7 ARF guanine nucleotide exchange factors: the when, where and how of activation. Cellular and Molecular Life Sciences, 2014, 71, 3419-3438.	5.4	64

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37	Characterization of Recombinant ELMOD (Cell Engulfment and Motility Domain) Proteins as GTPase-activating Proteins (GAPs) for ARF Family GTPases. Journal of Biological Chemistry, 2014, 289, 11111-11121.	3.4	48
38	ARF-Like (ARL) Proteins. , 2014, , 215-251.		6
39	Mutations in ARL2BP, Encoding ADP-Ribosylation-Factor-Like 2 Binding Protein, Cause Autosomal-Recessive Retinitis Pigmentosa. American Journal of Human Genetics, 2013, 93, 321-329.	6.2	67
40	Recruitment of the Mint3 Adaptor Is Necessary for Export of the Amyloid Precursor Protein (APP) from the Golgi Complex. Journal of Biological Chemistry, 2013, 288, 28567-28580.	3.4	31
41	An Alteration in ELMOD3, an Arl2 GTPase-Activating Protein, Is Associated with Hearing Impairment in Humans. PLoS Genetics, 2013, 9, e1003774.	3.5	48
42	A Role for Cargo in Arf-dependent Adaptor Recruitment. Journal of Biological Chemistry, 2013, 288, 14788-14804.	3.4	37
43	Ancient Complexity, Opisthokont Plasticity, and Discovery of the 11th Subfamily of Arf <scp>GAP</scp> Proteins. Traffic, 2013, 14, 636-649.	2.7	36
44	The Capping Domain in RalF Regulates Effector Functions. PLoS Pathogens, 2012, 8, e1003012.	4.7	35
45	Computational method for calculating fluorescence intensities within three-dimensional structures in cells. Cellular Logistics, 2012, 2, 176-188.	0.9	19
46	Kinetic and cell-based analyses of GTPase regulators. Cellular Logistics, 2012, 2, 138-139.	0.9	1
47	GGA1-mediated endocytic traffic of LR11/SorLA alters APP intracellular distribution and amyloid-Î² production. Molecular Biology of the Cell, 2012, 23, 2645-2657.	2.1	53
48	ELMO Domains, Evolutionary and Functional Characterization of a Novel GTPase-activating Protein (GAP) Domain for Arf Protein Family GTPases. Journal of Biological Chemistry, 2012, 287, 39538-39553.	3.4	54
49	Models for the functions of Arf GAPs. Seminars in Cell and Developmental Biology, 2011, 22, 3-9.	5.0	62
50	Structuring Detergents for Extracting and Stabilizing Functional Membrane Proteins. PLoS ONE, 2011, 6, e18036.	2.5	77
51	The Cellular Logistics Blog (CellLogBlog). Cellular Logistics, 2011, 1, 3-3.	0.9	0
52	GAPs. Cellular Logistics, 2011, 1, 49-51.	0.9	18
53	Several ADP-ribosylation Factor (Arf) Isoforms Support COPI Vesicle Formation. Journal of Biological Chemistry, 2011, 286, 35634-35642.	3.4	53
54	Arl13b regulates ciliogenesis and the dynamic localization of Shh signaling proteins. Molecular Biology of the Cell, 2011, 22, 4694-4703.	2.1	237

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55	Rho Kinase II Phosphorylation of the Lipoprotein Receptor LR11/SORLA Alters Amyloid-Î² Production. Journal of Biological Chemistry, 2011, 286, 6117-6127.	3.4	50
56	Modifications to the C-Terminus of Arf1 Alter Cell Functions and Protein Interactions. Traffic, 2010, 11, 732-742.	2.7	53
57	Dynamic structure of membrane-anchored Arfâ€¢GTP. Nature Structural and Molecular Biology, 2010, 17, 876-881.	8.2	125
58	Roles for ADP-Ribosylation Factors in Membrane Traffic. , 2010, , 1803-1812.		0
59	ADP Ribosylation Factors 1 and 4 and Group VIA Phospholipase A₂Regulate Morphology and Intraorganellar Traffic in the Endoplasmic Reticulumâ€“Golgi Intermediate Compartment. Molecular Biology of the Cell, 2010, 21, 4130-4140.	2.1	47
60	Gary M. Bokoch (1954â€“2010). Developmental Cell, 2010, 18, 357-358.	7.0	0
61	Structure and Membrane Interaction of Myristoylated ARF1. Structure, 2009, 17, 79-87.	3.3	104
62	Toward a model for Arf GTPases as regulators of traffic at the Golgi. FEBS Letters, 2009, 583, 3872-3879.	2.8	60
63	Consensus nomenclature for the human ArfGAP domain-containing proteins. Journal of Cell Biology, 2008, 182, 1039-1044.	5.2	144
64	Mint3/X11Î³ Is an ADP-Ribosylation Factor-dependent Adaptor that Regulates the Traffic of the Alzheimer's Precursor Protein from theTrans-Golgi Network. Molecular Biology of the Cell, 2008, 19, 51-64.	2.1	53
65	Cofactor D Functions as a Centrosomal Protein and Is Required for the Recruitment of the Î³-Tubulin Ring Complex at Centrosomes and Organization of the Mitotic Spindle. Journal of Biological Chemistry, 2008, 283, 7155-7165.	3.4	40
66	Arfs and Arls: models for Arf family members in membrane traffic at the Golgi. , 2008, , 106-119.		0
67	ELMOD2 Is an Arl2 GTPase-activating Protein That Also Acts on Arfs. Journal of Biological Chemistry, 2007, 282, 17568-17580.	3.4	72
68	Nomenclature for the human Arf family of GTP-binding proteins: ARF, ARL, and SAR proteins. Journal of Cell Biology, 2006, 172, 645-650.	5.2	232
69	Arl2 and Arl3 Regulate Different Microtubule-dependent Processes. Molecular Biology of the Cell, 2006, 17, 2476-2487.	2.1	152
70	Isoform-selective Effects of the Depletion of ADP-Ribosylation Factors 1â€“5 on Membrane Traffic. Molecular Biology of the Cell, 2005, 16, 4495-4508.	2.1	227
71	A C-terminal translocation signal required for Dot/Icm-dependent delivery of the Legionella RalF protein to host cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 826-831.	7.1	262
72	Assays Used in the Analysis of Arl2 and Its Binding Partners. Methods in Enzymology, 2005, 404, 453-467.	1.0	14

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73	The Structure of RalF, an ADP-ribosylation Factor Guanine Nucleotide Exchange Factor from Legionella pneumophila, Reveals the Presence of a Cap over the Active Site. Journal of Biological Chemistry, 2005, 280, 1392-1400.	3.4	92
74	Conformational Changes in Human Arf1 on Nucleotide Exchange and Deletion of Membrane-binding Elements. Journal of Biological Chemistry, 2004, 279, 48307-48318.	3.4	21
75	Functional genomic analysis of the ADPâ€ribosylation factor family of GTPases: phylogeny among diverse eukaryotes and function inC. elegans. FASEB Journal, 2004, 18, 1834-1850.	0.5	214
76	Multiple Phosphorylation Events Regulate the Subcellular Localization of GGA1. Traffic, 2004, 5, 102-116.	2.7	17
77	Structural Perturbations in Human ADP Ribosylation Factor-1 Accompanying the Binding of Phosphatidylinositidesâ€. Biochemistry, 2004, 43, 15393-15403.	2.5	18
78	Reverse Two-Hybrid Techniques in the Yeast <I>Saccharomyces cerevisiae. , 2004, 261, 313-326.		8
79	The Arf Family Tree. , 2004, , 1-21.		5
80	Four ARF GAPs inSaccharomyces cerevisiae have both overlapping and distinct functions. Yeast, 2003, 20, 315-330.	1.7	40
81	Cytosolic Arl2 Is Complexed with Cofactor D and Protein Phosphatase 2A. Journal of Biological Chemistry, 2003, 278, 40829-40836.	3.4	56
82	Munc18 Interacting Proteins. Journal of Biological Chemistry, 2003, 278, 36032-36040.	3.4	84
83	The Role of ARF in Vesicular Membrane Traffic. , 2003, , 727-731.		0
84	Coexpression of Proteins with Methionine Aminopeptidase/or N-Myristoyltransferase in Escherichia coli to Increase Acylation Homogeneity of Protein Preparations. Methods in Enzymology, 2002, 344, 186-193.	1.0	26
85	ARL2 and BART Enter Mitochondria and Bind the Adenine Nucleotide Transporter. Molecular Biology of the Cell, 2002, 13, 71-83.	2.1	86
86	Novel Interaction between the M4 Muscarinic Acetylcholine Receptor and Elongation Factor 1A2. Journal of Biological Chemistry, 2002, 277, 29268-29274.	3.4	28
87	Assays of ADP-Ribosylation factor Function. Methods in Enzymology, 2002, 345, 359-370.	1.0	5
88	A Bacterial Guanine Nucleotide Exchange Factor Activates ARF on Legionella Phagosomes. Science, 2002, 295, 679-682.	12.6	530
89	Cellular hijacking: a common strategy for microbial infection. Trends in Biochemical Sciences, 2002, 27, 308-314.	7.5	53
90	ARL1 and membrane traffic inSaccharomyces cerevisiae. Yeast, 2002, 19, 1039-1056.	1.7	54

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91	Genetic interactions linkARF1,YPT31/32 andTRS130. Yeast, 2002, 19, 1075-1086.	1.7	28
92	1H, 15N and 13C assignments of full length human ADP ribosylation factor 1 (ARF1) using triple resonance connectivities and dipolar couplings. Journal of Biomolecular NMR, 2002, 23, 253-254.	2.8	6
93	ARF Binds the C-Terminal Region of theEscherichiacoliHeat-Labile Toxin (LTA1) and Competes for the Binding of LTA2. Biochemistry, 2001, 40, 4560-4568.	2.5	21
94	The Escherichia coli Heat Labile Toxin Binds to Golgi Membranes and Alters Golgi and Cell Morphologies Using ADP-ribosylation Factor-dependent Processes. Journal of Biological Chemistry, 2001, 276, 25014-25021.	3.4	13
95	Structures of Yeast ARF2 and ARL1. Journal of Biological Chemistry, 2001, 276, 42477-42484.	3.4	60
96	Activation of the Luteinizing Hormone/Choriogonadotropin Hormone Receptor Promotes ADP Ribosylation Factor 6 Activation in Porcine Ovarian Follicular Membranes. Journal of Biological Chemistry, 2001, 276, 33773-33781.	3.4	31
97	ADP-ribosylation factors (ARFs) and ARF-like 1 (ARL1) Have Both Specific and Shared Effectors. Journal of Biological Chemistry, 2001, 276, 22826-22837.	3.4	148
98	Effectors Increase the Affinity of ADP-ribosylation Factor for GTP to Increase Binding. Journal of Biological Chemistry, 2000, 275, 13465-13475.	3.4	31
99	Effects of Activated ADP-ribosylation Factors on Golgi Morphology Require neither Activation of Phospholipase D1 nor Recruitment of Coatomer. Journal of Biological Chemistry, 2000, 275, 4022-4032.	3.4	42
100	A Family of ADP-Ribosylation Factor Effectors That Can Alter Membrane Transport through thetrans-Golgi. Molecular Biology of the Cell, 2000, 11, 1241-1255.	2.1	258
101	Residues forming a hydrophobic pocket in ARF3 are determinants of GDP dissociation and effector interactions. FEBS Letters, 2000, 487, 252-256.	2.8	12
102	The ARF-like 2 (ARL2)-binding Protein, BART. Journal of Biological Chemistry, 1999, 274, 27553-27561.	3.4	56
103	Rapid arrest of axon elongation by brefeldin A: A role for the small GTP-binding protein ARF in neuronal growth cones. , 1999, 38, 105-115.		15
104	Arf proteins bind to mitotic kinesin-like protein 1 (MKLP1) in a GTP-dependent fashion. Cytoskeleton, 1999, 44, 119-132.	4.4	64
105	Arf proteins bind to mitotic kinesinâ€like protein 1 (MKLP1) in a GTPâ€dependent fashion. Cytoskeleton, 1999, 44, 119-132.	4.4	1
106	Genetic Interactions in Yeast Between Ypt GTPases and Arf Guanine Nucleotide Exchangers. Genetics, 1999, 152, 1543-1556.	2.9	76
107	Characterization of a GTP-binding protein in the ADP-ribosylation factor subfamily from Leishmania tarentolae. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1442, 347-352.	2.4	8
108	Response to Chabre et al.. Trends in Biochemical Sciences, 1998, 23, 99.	7.5	3

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109	Translocation of Arf1 to the Secretory Granules in Rat Parotid Acinar Cells. Archives of Biochemistry and Biophysics, 1998, 357, 147-154.	3.0	21
110	ADP-Ribosylation Factors Do Not Activate Yeast Phospholipase Ds but Are Required for Sporulation. Molecular Biology of the Cell, 1998, 9, 2025-2036.	2.1	55
111	A Family of Arf Effectors Defined as Suppressors of the Loss of Arf Function in the Yeast Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 19792-19796.	3.4	86
112	Effects of acid phospholipids on ARF activities: Potential roles in membrane traffic. Journal of Lipid Mediators and Cell Signalling, 1996, 14, 209-214.	0.9	12
113	Mammalian Cdc42 Is a Brefeldin A-sensitive Component of the Golgi Apparatus. Journal of Biological Chemistry, 1996, 271, 26850-26854.	3.4	190
114	Intracellular Distribution of Arf Proteins in Mammalian Cells. Journal of Biological Chemistry, 1996, 271, 21767-21774.	3.4	209
115	The Myristoylated Amino Terminus of ADP-ribosylation Factor 1 Is a Phospholipid- and GTP-sensitive Switch. Journal of Biological Chemistry, 1995, 270, 14809-14815.	3.4	122
116	[31] Myristoylation and ADP-ribosylation factor function. Methods in Enzymology, 1995, 250, 394-405.	1.0	41
117	ADP-ribosylation Factor Translocation Correlates with Potentiation of GTPÎ³S-stimulated Phospholipase D Activity in Membrane Fractions of HL-60 Cells. Journal of Biological Chemistry, 1995, 270, 22795-22800.	3.4	93
118	Mutational Analysis of Saccharomyces cerevisiae ARF1. Journal of Biological Chemistry, 1995, 270, 143-150.	3.4	81
119	Partial Purification and Characterization of Arf-sensitive Phospholipase D from Porcine Brain. Journal of Biological Chemistry, 1995, 270, 14935-14943.	3.4	131
120	[16] Preparation of recombinant ADP-ribosylation factor. Methods in Enzymology, 1995, 257, 128-135.	1.0	44
121	Structure of the human ADP-ribosylation factor 1 complexed with GDP. Nature, 1994, 372, 704-708.	27.8	294
122	ARF and VAPP14: Two Proteins Involved in the Delivery of Heparan Sulfate Proteoglycan from the trans-Golgi Network to the Plasma Membrane. Annals of the New York Academy of Sciences, 1994, 733, 344-356.	3.8	0
123	Cloning and sequence of ADP-ribosylation factor 1 (ARF1) fromSchizosaccharomyces pombe. Yeast, 1993, 9, 923-927.	1.7	5
124	Receptor and protein kinase C-mediated regulation of ARF binding to the Golgi complex. Nature, 1993, 364, 818-821.	27.8	152
125	ARF signaling: A potential role for phospholipase D in membrane traffic. Cell, 1993, 75, 1045-1048.	28.9	172
126	[34] Preparation of recombinant ADP-ribosylation factor. Methods in Enzymology, 1992, 219, 362-369.	1.0	78

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127	Two distinct members of the ADP-ribosylation factor family of GTP-binding proteins regulate cell-free intra-golgi transport. Cell, 1992, 70, 69-79.	28.9	137
128	The ras superfamily of GTPâ€binding proteins: guidelines on nomenclature. FASEB Journal, 1992, 6, 2512-2513.	0.5	116
129	ADP-Ribosylation factor is a subunit of the coat of Golgi-derived COP-coated vesicles: A novel role for a GTP-binding protein. Cell, 1991, 67, 239-253.	28.9	622
130	[20] Quantitation and purification of ADP-ribosylation factor. Methods in Enzymology, 1991, 195, 233-242.	1.0	29
131	Purification of a synthetic myristylated peptide by counter-current chromatography. Journal of Chromatography A, 1991, 538, 141-147.	3.7	6
132	ADP-Ribosylation Factor of Adenylyl Cyclase: A 21-kDa GTP-Binding Protein. , 1990, , 201-214.		9
133	Detection of the major pertussis toxin substrate of human leukocytes with antisera raised against synthetic peptides. FEBS Letters, 1986, 209, 352-356.	2.8	53
134	Arf proteins bind to mitotic kinesin-like protein 1 (MKLP1) in a GTP-dependent fashion. , 0, .		2
135	Arf4. The AFCS-nature Molecule Pages, 0, , .	0.2	11
136	Arf-like protein 1. The AFCS-nature Molecule Pages, 0, , .	0.2	11
137	Arf-like protein 2. The AFCS-nature Molecule Pages, 0, , .	0.2	11
138	Arf1. The AFCS-nature Molecule Pages, 0, , .	0.2	0