

Anne J Ridley

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128
papers

27,381
citations

59
h-index

150
g-index

150
ext. papers

29,972
ext. citations

11
avg, IF

7.62
L-index

#	Paper	IF	Citations
128	The small GTP-binding protein rho regulates the assembly of focal adhesions and actin stress fibers in response to growth factors. <i>Cell</i> , 1992 , 70, 389-99	56.2	4010
127	Cell migration: integrating signals from front to back. <i>Science</i> , 2003 , 302, 1704-9	33.3	3790
126	The small GTP-binding protein rac regulates growth factor-induced membrane ruffling. <i>Cell</i> , 1992 , 70, 401-10	56.2	3265
125	Rocks: multifunctional kinases in cell behaviour. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 446-56	48.7	1505
124	Mammalian Rho GTPases: new insights into their functions from in vivo studies. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 690-701	48.7	1383
123	Rho GTPases and actin dynamics in membrane protrusions and vesicle trafficking. <i>Trends in Cell Biology</i> , 2006 , 16, 522-9	18.3	867
122	Life at the leading edge. <i>Cell</i> , 2011 , 145, 1012-22	56.2	694
121	Rho family proteins: coordinating cell responses. <i>Trends in Cell Biology</i> , 2001 , 11, 471-7	18.3	633
120	Rho GTPases in cancer cell biology. <i>FEBS Letters</i> , 2008 , 582, 2093-101	3.8	578
119	Crossing the endothelial barrier during metastasis. <i>Nature Reviews Cancer</i> , 2013 , 13, 858-70	31.3	545
118	Rho GTPase signalling in cell migration. <i>Current Opinion in Cell Biology</i> , 2015 , 36, 103-12	9	464
117	Angiogenesis selectively requires the p110alpha isoform of PI3K to control endothelial cell migration. <i>Nature</i> , 2008 , 453, 662-6	50.4	406
116	Regulating Rho GTPases and their regulators. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 496-510	48.7	387
115	Why three Rho proteins? RhoA, RhoB, RhoC, and cell motility. <i>Experimental Cell Research</i> , 2004 , 301, 43-54	4.2	372
114	Rho GTPases and the regulation of endothelial permeability. <i>Vascular Pharmacology</i> , 2002 , 39, 187-99	5.9	368
113	Lymphocyte transcellular migration occurs through recruitment of endothelial ICAM-1 to caveola- and F-actin-rich domains. <i>Nature Cell Biology</i> , 2006 , 8, 113-23	23.4	318
112	Regulation of TNF-alpha-induced reorganization of the actin cytoskeleton and cell-cell junctions by Rho, Rac, and Cdc42 in human endothelial cells. <i>Journal of Cellular Physiology</i> , 1998 , 176, 150-65	7	317

111	Rho: theme and variations. <i>Current Biology</i> , 1996 , 6, 1256-64	6.3	273
110	Distinct PI(3)Ks mediate mitogenic signalling and cell migration in macrophages. <i>Nature Cell Biology</i> , 1999 , 1, 69-71	23.4	254
109	RhoE binds to ROCK I and inhibits downstream signaling. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4219-24	19	251
108	Ezrin/radixin/moesin proteins and Rho GTPase signalling in leucocytes. <i>Immunology</i> , 2004 , 112, 165-76	7.8	233
107	Rho GTPase signaling complexes in cell migration and invasion. <i>Journal of Cell Biology</i> , 2018 , 217, 447-457	3	228
106	Rho GTPases: Regulation and roles in cancer cell biology. <i>Small GTPases</i> , 2016 , 7, 207-221	2.7	223
105	Rho proteins: linking signaling with membrane trafficking. <i>Traffic</i> , 2001 , 2, 303-10	5.7	208
104	RhoA and RhoC have distinct roles in migration and invasion by acting through different targets. <i>Journal of Cell Biology</i> , 2011 , 193, 655-65	7.3	202
103	Roles of Rho/ROCK and MLCK in TNF-alpha-induced changes in endothelial morphology and permeability. <i>Journal of Cellular Physiology</i> , 2007 , 213, 221-8	7	201
102	Phosphoinositide 3-kinases in cell migration. <i>Biology of the Cell</i> , 2009 , 101, 13-29	3.5	180
101	RhoE regulates actin cytoskeleton organization and cell migration. <i>Molecular and Cellular Biology</i> , 1998 , 18, 4761-71	4.8	177
100	Membrane ruffling and signal transduction. <i>BioEssays</i> , 1994 , 16, 321-7	4.1	169
99	Proneural transcription factors regulate different steps of cortical neuron migration through Rnd-mediated inhibition of RhoA signaling. <i>Neuron</i> , 2011 , 69, 1069-84	13.9	166
98	Rho proteins and cancer. <i>Breast Cancer Research and Treatment</i> , 2004 , 84, 13-9	4.4	161
97	Rac1-deficient macrophages exhibit defects in cell spreading and membrane ruffling but not migration. <i>Journal of Cell Science</i> , 2004 , 117, 1259-68	5.3	149
96	Rac1 and Rac2 regulate macrophage morphology but are not essential for migration. <i>Journal of Cell Science</i> , 2006 , 119, 2749-57	5.3	146
95	The Function of Rho-Associated Kinases ROCK1 and ROCK2 in the Pathogenesis of Cardiovascular Disease. <i>Frontiers in Pharmacology</i> , 2015 , 6, 276	5.6	144
94	Adherens junctions connect stress fibres between adjacent endothelial cells. <i>BMC Biology</i> , 2010 , 8, 11	7.3	142

93	Genomic Subtypes of Non-invasive Bladder Cancer with Distinct Metabolic Profile and Female Gender Bias in KDM6A Mutation Frequency. <i>Cancer Cell</i> , 2017 , 32, 701-715.e7	24.3	141
92	RhoE function is regulated by ROCK I-mediated phosphorylation. <i>EMBO Journal</i> , 2005 , 24, 1170-80	13	136
91	Microtubules regulate migratory polarity through Rho/ROCK signaling in T cells. <i>PLoS ONE</i> , 2010 , 5, e87747	3.7	131
90	Cdc42 promotes transendothelial migration of cancer cells through β 1 integrin. <i>Journal of Cell Biology</i> , 2012 , 199, 653-68	7.3	123
89	Requirement for Rho in integrin signalling. <i>Cell Adhesion and Communication</i> , 1997 , 4, 387-98		117
88	Endothelial cell-cell adhesion and signaling. <i>Experimental Cell Research</i> , 2017 , 358, 31-38	4.2	109
87	Diverse matrix metalloproteinase functions regulate cancer amoeboid migration. <i>Nature Communications</i> , 2014 , 5, 4255	17.4	109
86	Identification and characterization of a set of conserved and new regulators of cytoskeletal organization, cell morphology and migration. <i>BMC Biology</i> , 2011 , 9, 54	7.3	108
85	The p110delta isoform of PI 3-kinase negatively controls RhoA and PTEN. <i>EMBO Journal</i> , 2007 , 26, 3050-61	6.1	107
84	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Cell Biology</i> , 2010 , 190, 553-63	7.3	98
83	The PI3K p110alpha isoform regulates endothelial adherens junctions via Pyk2 and Rac1. <i>Journal of Cell Biology</i> , 2010 , 188, 863-76	7.3	95
82	RhoE inhibits cell cycle progression and Ras-induced transformation. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7829-40	4.8	95
81	Rho proteins, PI 3-kinases, and monocyte/macrophage motility. <i>FEBS Letters</i> , 2001 , 498, 168-71	3.8	91
80	RhoE is a pro-survival p53 target gene that inhibits ROCK I-mediated apoptosis in response to genotoxic stress. <i>Current Biology</i> , 2006 , 16, 2466-72	6.3	88
79	Requirement for PI 3-kinase gamma in macrophage migration to MCP-1 and CSF-1. <i>Experimental Cell Research</i> , 2003 , 290, 120-31	4.2	88
78	Rnd proteins: multifunctional regulators of the cytoskeleton and cell cycle progression. <i>BioEssays</i> , 2010 , 32, 986-92	4.1	84
77	Involvement of phosphoinositide 3-kinase gamma, Rac, and PAK signaling in chemokine-induced macrophage migration. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43273-84	5.4	83
76	Rho GTPases. Integrating integrin signaling. <i>Journal of Cell Biology</i> , 2000 , 150, F107-9	7.3	80

75	14-3-3 proteins interact with a hybrid prenyl-phosphorylation motif to inhibit G proteins. <i>Cell</i> , 2013 , 153, 640-53	56.2	78
74	Aspirin blocks formation of metastatic intravascular niches by inhibiting platelet-derived COX-1/thromboxane A2. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1845-1862	15.9	76
73	PSK, a novel STE20-like kinase derived from prostatic carcinoma that activates the c-Jun N-terminal kinase mitogen-activated protein kinase pathway and regulates actin cytoskeletal organization. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4311-22	5.4	71
72	Rho GTPases and cell cycle control. <i>Growth Factors</i> , 2006 , 24, 159-64	1.6	69
71	The Rho GTPases in macrophage motility and chemotaxis. <i>Cell Adhesion and Communication</i> , 1998 , 6, 237-45		68
70	RhoB affects macrophage adhesion, integrin expression and migration. <i>Experimental Cell Research</i> , 2007 , 313, 3505-16	4.2	59
69	Rho GTPases and leucocyte-induced endothelial remodelling. <i>Biochemical Journal</i> , 2005 , 385, 329-37	3.8	58
68	Targeting Rho GTPase Signaling Networks in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 222	5.7	57
67	An antagonistic interaction between PlexinB2 and Rnd3 controls RhoA activity and cortical neuron migration. <i>Nature Communications</i> , 2014 , 5, 3405	17.4	55
66	Negative feedback regulation of Rac in leukocytes from mice expressing a constitutively active phosphatidylinositol 3-kinase gamma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14354-9	11.5	55
65	Self-recognition of the endothelium enables regulatory T-cell trafficking and defines the kinetics of immune regulation. <i>Nature Communications</i> , 2014 , 5, 3436	17.4	53
64	Regulation of Rnd3 localization and function by protein kinase C alpha-mediated phosphorylation. <i>Biochemical Journal</i> , 2009 , 424, 153-61	3.8	49
63	Mechanism of multi-site phosphorylation from a ROCK-I:RhoE complex structure. <i>EMBO Journal</i> , 2008 , 27, 3175-85	13	48
62	RhoB regulates cell migration through altered focal adhesion dynamics. <i>Open Biology</i> , 2012 , 2, 120076	7	46
61	Rac activation by the T-cell receptor inhibits T cell migration. <i>PLoS ONE</i> , 2010 , 5, e12393	3.7	45
60	RhoB controls endothelial barrier recovery by inhibiting Rac1 trafficking to the cell border. <i>Journal of Cell Biology</i> , 2016 , 213, 385-402	7.3	45
59	Crosstalk between reticular adherens junctions and platelet endothelial cell adhesion molecule-1 regulates endothelial barrier function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, e90-102	10.2	44
58	Multiple roles for RhoA during T cell transendothelial migration. <i>Small GTPases</i> , 2010 , 1, 174-179	2.7	44

57	Transcriptional regulation of the small GTPase RhoB gene by TGF{beta}-induced signaling pathways. <i>FASEB Journal</i> , 2010 , 24, 891-905	0.9	41
56	Prostate-derived sterile 20-like kinase 2 (PSK2) regulates apoptotic morphology via C-Jun N-terminal kinase and Rho kinase-1. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7317-23	5.4	40
55	Radixin regulates cell migration and cell-cell adhesion through Rac1. <i>Journal of Cell Science</i> , 2012 , 125, 3310-9	5.3	39
54	ARHGAP21 is a RhoGAP for RhoA and RhoC with a role in proliferation and migration of prostate adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 365-74	6.9	39
53	The prostate-derived sterile 20-like kinase (PSK) regulates microtubule organization and stability. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18085-91	5.4	39
52	Historical overview of Rho GTPases. <i>Methods in Molecular Biology</i> , 2012 , 827, 3-12	1.4	38
51	The RhoB small GTPase in physiology and disease. <i>Small GTPases</i> , 2018 , 9, 384-393	2.7	37
50	Nesprin-1 and nesprin-2 regulate endothelial cell shape and migration. <i>Cytoskeleton</i> , 2014 , 71, 423-34	2.4	37
49	PAK1 and PAK2 have different roles in HGF-induced morphological responses. <i>Cellular Signalling</i> , 2009 , 21, 1738-47	4.9	34
48	Is there a role for IGF-1 in the development of second primary cancers?. <i>Cancer Medicine</i> , 2016 , 5, 3353-3367	4.8	33
47	FMNL1 promotes proliferation and migration of leukemia cells. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 503-12	6.5	32
46	CD73 represses pro-inflammatory responses in human endothelial cells. <i>Journal of Inflammation</i> , 2010 , 7, 10	6.7	32
45	p120ctn and P-cadherin but not E-cadherin regulate cell motility and invasion of DU145 prostate cancer cells. <i>PLoS ONE</i> , 2010 , 5, e11801	3.7	30
44	RhoE is required for keratinocyte differentiation and stratification. <i>Molecular Biology of the Cell</i> , 2009 , 20, 452-63	3.5	30
43	Casein kinase I epsilon associates with and phosphorylates the tight junction protein occludin. <i>FEBS Letters</i> , 2006 , 580, 2388-94	3.8	29
42	Analysis of cell migration using the Dunn chemotaxis chamber and time-lapse microscopy. <i>Methods in Molecular Biology</i> , 2005 , 294, 31-41	1.4	29
41	RhoE inhibits 4E-BP1 phosphorylation and eIF4E function impairing cap-dependent translation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 35287-96	5.4	27
40	Rho GTPases and cancer cell transendothelial migration. <i>Methods in Molecular Biology</i> , 2012 , 827, 123-42	1.4	27

39	The RNA-binding protein LARP4 regulates cancer cell migration and invasion. <i>Cytoskeleton</i> , 2016 , 73, 680-690	2.4	25
38	MYADM controls endothelial barrier function through ERM-dependent regulation of ICAM-1 expression. <i>Molecular Biology of the Cell</i> , 2013 , 24, 483-94	3.5	25
37	Prostate-derived sterile 20-like kinase 1-alpha induces apoptosis. JNK- and caspase-dependent nuclear localization is a requirement for membrane blebbing. <i>Journal of Biological Chemistry</i> , 2007 , 282, 6484-93	5.4	25
36	The Rho GTPase RhoB regulates cadherin expression and epithelial cell-cell interaction. <i>Cell Communication and Signaling</i> , 2015 , 13, 6	7.5	24
35	RhoC and ROCKs regulate cancer cell interactions with endothelial cells. <i>Molecular Oncology</i> , 2015 , 9, 1043-55	7.9	22
34	Statins inhibit T-acute lymphoblastic leukemia cell adhesion and migration through Rap1b. <i>Journal of Leukocyte Biology</i> , 2011 , 89, 577-86	6.5	22
33	Regulation and functions of RhoU and RhoV. <i>Small GTPases</i> , 2020 , 11, 8-15	2.7	22
32	RhoB regulates uPAR signalling. <i>Journal of Cell Science</i> , 2012 , 125, 2369-80	5.3	21
31	Calcium-RasGRP2-Rap1 signaling mediates CD38-induced migration of chronic lymphocytic leukemia cells. <i>Blood Advances</i> , 2018 , 2, 1551-1561	7.8	19
30	IGF1R/IRS1 targeting has cytotoxic activity and inhibits PI3K/AKT/mTOR and MAPK signaling in acute lymphoblastic leukemia cells. <i>Cancer Letters</i> , 2019 , 456, 59-68	9.9	18
29	An RNAi screen of Rho signalling networks identifies RhoH as a regulator of Rac1 in prostate cancer cell migration. <i>BMC Biology</i> , 2018 , 16, 29	7.3	18
28	N-terminus-mediated dimerization of ROCK-I is required for RhoE binding and actin reorganization. <i>Biochemical Journal</i> , 2008 , 411, 407-14	3.8	18
27	Roles of Rho GTPases in leucocyte and leukaemia cell transendothelial migration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130013	5.8	17
26	Inhibition of Rho-associated kinases suppresses cardiac myofibroblast function in engineered connective and heart muscle tissues. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 134, 13-28	5.8	15
25	Rnd3 induces stress fibres in endothelial cells through RhoB. <i>Biology Open</i> , 2013 , 2, 210-6	2.2	15
24	Pulling back to move forward. <i>Cell</i> , 2004 , 116, 357-8	56.2	14
23	Snails, Swiss, and serum: the solution for Rac 5SRho. <i>Cell</i> , 2004 , 116, S23-5, 2 p following S25	56.2	13
22	Rnd3-induced cell rounding requires interaction with Plexin-B2. <i>Journal of Cell Science</i> , 2016 , 129, 4046-4056	40.56	13

21	Different PI 3-kinase inhibitors have distinct effects on endothelial permeability and leukocyte transmigration. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 1929-36	5.6	12
20	Hypoxia suppresses myofibroblast differentiation by changing RhoA activity. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	11
19	GTPase switch: Ras then Rho and Rac. <i>Nature Cell Biology</i> , 2013 , 15, 337	23.4	8
18	Dual inhibition of histone deacetylases and phosphoinositide 3-kinases: effects on Burkitt lymphoma cell growth and migration. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 569-78	6.5	7
17	Analysis of the interaction of Plexin-B1 and Plexin-B2 with Rnd family proteins. <i>PLoS ONE</i> , 2017 , 12, e0185899	9.7	7
16	Quantification of transendothelial migration using three-dimensional confocal microscopy. <i>Methods in Molecular Biology</i> , 2011 , 769, 167-90	1.4	7
15	Bcl-3 promotes multi-modal tumour cell migration via NF- κ B mediated regulation of Cdc42. <i>Carcinogenesis</i> , 2020 , 41, 1432-1443	4.6	6
14	Analyzing the roles of Rho GTPases in cancer cell migration with a live cell imaging 3D-morphology-based assay. <i>Methods in Molecular Biology</i> , 2014 , 1120, 327-37	1.4	6
13	The STRIPAK complex components FAM40A and FAM40B regulate endothelial cell contractility via ROCKs. <i>BMC Cell Biology</i> , 2018 , 19, 26		6
12	Rnd3 interacts with TAO kinases and contributes to mitotic cell rounding and spindle positioning. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	5
11	Rho and Rap guanosine triphosphatase signaling in B cells and chronic lymphocytic leukemia. <i>Leukemia and Lymphoma</i> , 2014 , 55, 1993-2001	1.9	5
10	RhoBTB1 interacts with ROCKs and inhibits invasion. <i>Biochemical Journal</i> , 2019 , 476, 2499-2514	3.8	5
9	Blebs on the move. <i>Developmental Cell</i> , 2011 , 20, e1	10.2	2
8	Effects of RhoA and RhoC upon the sensitivity of prostate cancer cells to glutamine deprivation. <i>Small GTPases</i> , 2021 , 12, 20-26	2.7	2
7	Regulation of TNF- α -induced reorganization of the actin cytoskeleton and cell-cell junctions by Rho, Rac, and Cdc42 in human endothelial cells		2
6	Regulation of TNF- α -induced reorganization of the actin cytoskeleton and cell-cell junctions by Rho, Rac, and Cdc42 in human endothelial cells		1
5	Rho GTPase gene expression and breast cancer risk: a Mendelian randomization analysis.. <i>Scientific Reports</i> , 2022 , 12, 1463	4.9	0
4	Atypical Rho Family Members 2014 , 341-361		

3 Leukocyte Chemotaxis 183-192

2 Cytoskeleton | Rho GTPases and Actin Cytoskeleton Dynamics **2021**, 268-273

1 Analyzing the Roles of Rho GTPases in Cancer Cell Adhesion to Endothelial Cells Under Flow Conditions. *Methods in Molecular Biology*, **2021**, 2294, 93-109

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