

Anne J Ridley

List of Publications by Year in descending order

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131
papers

31,843
citations

19636

61
h-index

15249

126
g-index

150
all docs

150
docs citations

150
times ranked

31802
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Migration: Integrating Signals from Front to Back. <i>Science</i> , 2003, 302, 1704-1709.	6.0	4,337
2	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, 389-399.	13.5	4,334
3	The small GTP-binding protein rac regulates growth factor-induced membrane ruffling. <i>Cell</i> , 1992, 70, 401-410.	13.5	3,495
4	ROCKs: multifunctional kinases in cell behaviour. <i>Nature Reviews Molecular Cell Biology</i> , 2003, 4, 446-456.	16.1	1,710
5	Mammalian Rho GTPases: new insights into their functions from in vivo studies. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 690-701.	16.1	1,584
6	Rho GTPases and actin dynamics in membrane protrusions and vesicle trafficking. <i>Trends in Cell Biology</i> , 2006, 16, 522-529.	3.6	1,012
7	Life at the Leading Edge. <i>Cell</i> , 2011, 145, 1012-1022.	13.5	817
8	Crossing the endothelial barrier during metastasis. <i>Nature Reviews Cancer</i> , 2013, 13, 858-870.	12.8	708
9	Rho family proteins: coordinating cell responses. <i>Trends in Cell Biology</i> , 2001, 11, 471-477.	3.6	685
10	Rho GTPases in cancer cell biology. <i>FEBS Letters</i> , 2008, 582, 2093-2101.	1.3	652
11	Rho GTPase signalling in cell migration. <i>Current Opinion in Cell Biology</i> , 2015, 36, 103-112.	2.6	647
12	Regulating Rho GTPases and their regulators. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 496-510.	16.1	638
13	Angiogenesis selectively requires the p110 α isoform of PI3K to control endothelial cell migration. <i>Nature</i> , 2008, 453, 662-666.	13.7	459
14	Rho GTPases and the regulation of endothelial permeability. <i>Vascular Pharmacology</i> , 2002, 39, 187-199.	1.0	428
15	Why three Rho proteins? RhoA, RhoB, RhoC, and cell motility. <i>Experimental Cell Research</i> , 2004, 301, 43-49.	1.2	417
16	Rho GTPases: Regulation and roles in cancer cell biology. <i>Small GTPases</i> , 2016, 7, 207-221.	0.7	373
17	Rho GTPase signaling complexes in cell migration and invasion. <i>Journal of Cell Biology</i> , 2018, 217, 447-457.	2.3	367
18	Lymphocyte transcellular migration occurs through recruitment of endothelial ICAM-1 to caveola- and F-actin-rich domains. <i>Nature Cell Biology</i> , 2006, 8, 113-123.	4.6	353

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19	Regulation of TNF- α -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, 150-165.	2.0	352
20	Rho: theme and variations. <i>Current Biology</i> , 1996, 6, 1256-1264.	1.8	291
21	RhoE Binds to ROCK I and Inhibits Downstream Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 4219-4229.	1.1	278
22	Ezrin/radixin/moesin proteins and Rho GTPase signalling in leucocytes. <i>Immunology</i> , 2004, 112, 165-176.	2.0	269
23	Distinct PI(3)Ks mediate mitogenic signalling and cell migration in macrophages. <i>Nature Cell Biology</i> , 1999, 1, 69-71.	4.6	267
24	Rho Proteins: Linking Signaling with Membrane Trafficking. <i>Traffic</i> , 2001, 2, 303-310.	1.3	233
25	The Function of Rho-Associated Kinases ROCK1 and ROCK2 in the Pathogenesis of Cardiovascular Disease. <i>Frontiers in Pharmacology</i> , 2015, 6, 276.	1.6	233
26	RhoA and RhoC have distinct roles in migration and invasion by acting through different targets. <i>Journal of Cell Biology</i> , 2011, 193, 655-665.	2.3	227
27	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.	7.7	224
28	Roles of Rho/ROCK and MLCK in TNF- α -induced changes in endothelial morphology and permeability. <i>Journal of Cellular Physiology</i> , 2007, 213, 221-228.	2.0	220
29	Phosphoinositide 3-kinases in cell migration. <i>Biology of the Cell</i> , 2009, 101, 13-29.	0.7	214
30	Proneural Transcription Factors Regulate Different Steps of Cortical Neuron Migration through Rnd-Mediated Inhibition of RhoA Signaling. <i>Neuron</i> , 2011, 69, 1069-1084.	3.8	196
31	RhoE Regulates Actin Cytoskeleton Organization and Cell Migration. <i>Molecular and Cellular Biology</i> , 1998, 18, 4761-4771.	1.1	191
32	Membrane ruffling and signal transduction. <i>BioEssays</i> , 1994, 16, 321-327.	1.2	183
33	Adherens junctions connect stress fibres between adjacent endothelial cells. <i>BMC Biology</i> , 2010, 8, 11.	1.7	179
34	Endothelial cell-cell adhesion and signaling. <i>Experimental Cell Research</i> , 2017, 358, 31-38.	1.2	178
35	Rho Proteins and Cancer. <i>Breast Cancer Research and Treatment</i> , 2004, 84, 13-19.	1.1	174
36	Rac1 and Rac2 regulate macrophage morphology but are not essential for migration. <i>Journal of Cell Science</i> , 2006, 119, 2749-2757.	1.2	168

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37	Rac1-deficient macrophages exhibit defects in cell spreading and membrane ruffling but not migration. <i>Journal of Cell Science</i> , 2004, 117, 1259-1268.	1.2	162
38	RhoE function is regulated by ROCK I-mediated phosphorylation. <i>EMBO Journal</i> , 2005, 24, 1170-1180.	3.5	161
39	Cdc42 promotes transendothelial migration of cancer cells through β 1 integrin. <i>Journal of Cell Biology</i> , 2012, 199, 653-668.	2.3	160
40	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.	1.7	155
41	Microtubules Regulate Migratory Polarity through Rho/ROCK Signaling in T Cells. <i>PLoS ONE</i> , 2010, 5, e8774.	1.1	149
42	Diverse matrix metalloproteinase functions regulate cancer amoeboid migration. <i>Nature Communications</i> , 2014, 5, 4255.	5.8	140
43	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.	3.9	136
44	Requirement for Rho in Integrin Signalling. <i>Cell Adhesion and Communication</i> , 1997, 4, 387-398.	1.7	120
45	The p110 β isoform of PI 3-kinase negatively controls RhoA and PTEN. <i>EMBO Journal</i> , 2007, 26, 3050-3061.	3.5	120
46	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Cell Biology</i> , 2010, 190, 553-563.	2.3	115
47	The PI3K p110 β isoform regulates endothelial adherens junctions via Pyk2 and Rac1. <i>Journal of Cell Biology</i> , 2010, 188, 863-876.	2.3	109
48	Targeting Rho GTPase Signaling Networks in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 222.	1.8	109
49	Rho proteins, PI 3-kinases, and monocyte/macrophage motility. <i>FEBS Letters</i> , 2001, 498, 168-171.	1.3	106
50	RhoE Inhibits Cell Cycle Progression and Ras-Induced Transformation. <i>Molecular and Cellular Biology</i> , 2004, 24, 7829-7840.	1.1	106
51	Requirement for PI 3-kinase β 3 in macrophage migration to MCP-1 and CSF-1. <i>Experimental Cell Research</i> , 2003, 290, 120-131.	1.2	94
52	Involvement of Phosphoinositide 3-Kinase β 3, Rac, and PAK Signaling in Chemokine-induced Macrophage Migration. <i>Journal of Biological Chemistry</i> , 2004, 279, 43273-43284.	1.6	93
53	14-3-3 Proteins Interact with a Hybrid Prenyl-Phosphorylation Motif to Inhibit G Proteins. <i>Cell</i> , 2013, 153, 640-653.	13.5	93
54	Rnd proteins: Multifunctional regulators of the cytoskeleton and cell cycle progression. <i>BioEssays</i> , 2010, 32, 986-992.	1.2	92

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55	Rho Gtpases. <i>Journal of Cell Biology</i> , 2000, 150, F107-F109.	2.3	91
56	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, 4311-4322.	1.6	84
57	Rho GTPases and cell cycle control. <i>Growth Factors</i> , 2006, 24, 159-164.	0.5	77
58	The Rho GTPases in Macrophage Motility and Chemotaxis. <i>Cell Adhesion and Communication</i> , 1998, 6, 237-245.	1.7	76
59	Self-recognition of the endothelium enables regulatory T-cell trafficking and defines the kinetics of immune regulation. <i>Nature Communications</i> , 2014, 5, 3436.	5.8	64
60	RhoB controls endothelial barrier recovery by inhibiting Rac1 trafficking to the cell border. <i>Journal of Cell Biology</i> , 2016, 213, 385-402.	2.3	64
61	Rho GTPases and leucocyte-induced endothelial remodelling. <i>Biochemical Journal</i> , 2005, 385, 329-337.	1.7	63
62	RhoB affects macrophage adhesion, integrin expression and migration. <i>Experimental Cell Research</i> , 2007, 313, 3505-3516.	1.2	63
63	The RhoB small GTPase in physiology and disease. <i>Small GTPases</i> , 2018, 9, 384-393.	0.7	62
64	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.	1.1	61
65	An antagonistic interaction between PlexinB2 and Rnd3 controls RhoA activity and cortical neuron migration. <i>Nature Communications</i> , 2014, 5, 3405.	5.8	60
66	Multiple roles for RhoA during T cell transendothelial migration. <i>Small GTPases</i> , 2010, 1, 174-179.	0.7	59
67	Negative feedback regulation of Rac in leukocytes from mice expressing a constitutively active phosphatidylinositol 3-kinase $\hat{3}$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14354-14359.	3.3	57
68	Mechanism of multi-site phosphorylation from a ROCK-I:RhoE complex structure. <i>EMBO Journal</i> , 2008, 27, 3175-3185.	3.5	57
69	Is there a role for $\hat{1}$ in the development of second primary cancers?. <i>Cancer Medicine</i> , 2016, 5, 3353-3367.	1.3	57
70	Nesprin $\hat{1}$ and nesprin $\hat{2}$ regulate endothelial cell shape and migration. <i>Cytoskeleton</i> , 2014, 71, 423-434.	1.0	56
71	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, 7317-7323.	1.6	54
72	Regulation of Rnd3 localization and function by protein kinase $\hat{1}$ -mediated phosphorylation. <i>Biochemical Journal</i> , 2009, 424, 153-161.	1.7	53

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73	Rac Activation by the T-Cell Receptor Inhibits T Cell Migration. PLoS ONE, 2010, 5, e12393.	1.1	52
74	RhoB regulates cell migration through altered focal adhesion dynamics. Open Biology, 2012, 2, 120076.	1.5	52
75	The Prostate-derived Sterile 20-like Kinase (PSK) Regulates Microtubule Organization and Stability. Journal of Biological Chemistry, 2003, 278, 18085-18091.	1.6	50
76	ARHGAP21 is a RhoGAP for RhoA and RhoC with a role in proliferation and migration of prostate adenocarcinoma cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 365-374.	1.8	50
77	Historical Overview of Rho GTPases. Methods in Molecular Biology, 2012, 827, 3-12.	0.4	47
78	Transcriptional regulation of the small GTPase RhoB gene by TGF β -induced signaling pathways. FASEB Journal, 2010, 24, 891-905.	0.2	45
79	Radixin regulates cell migration and cell-cell adhesion through Rac1. Journal of Cell Science, 2012, 125, 3310-9.	1.2	43
80	FMNL1 promotes proliferation and migration of leukemia cells. Journal of Leukocyte Biology, 2013, 94, 503-512.	1.5	41
81	MYADM controls endothelial barrier function through ERM-dependent regulation of ICAM-1 expression. Molecular Biology of the Cell, 2013, 24, 483-494.	0.9	38
82	CD73 represses pro-inflammatory responses in human endothelial cells. Journal of Inflammation, 2010, 7, 10.	1.5	37
83	The RNA-binding protein LARP4 regulates cancer cell migration and invasion. Cytoskeleton, 2016, 73, 680-690.	1.0	37
84	Regulation and functions of RhoU and RhoV. Small GTPases, 2020, 11, 8-15.	0.7	37
85	p120 ^{ctn} and P-Cadherin but Not E-Cadherin Regulate Cell Motility and Invasion of DU145 Prostate Cancer Cells. PLoS ONE, 2010, 5, e11801.	1.1	36
86	RhoE Is Required for Keratinocyte Differentiation and Stratification. Molecular Biology of the Cell, 2009, 20, 452-463.	0.9	35
87	PAK1 and PAK2 have different roles in HGF-induced morphological responses. Cellular Signalling, 2009, 21, 1738-1747.	1.7	35
88	Casein kinase II associates with and phosphorylates the tight junction protein occludin. FEBS Letters, 2006, 580, 2388-2394.	1.3	33
89	Prostate-derived Sterile 20-like Kinase 1 Induces Apoptosis. Journal of Biological Chemistry, 2007, 282, 6484-6493.	1.6	32
90	Calcium-RasGRP2-Rap1 signaling mediates CD38-induced migration of chronic lymphocytic leukemia cells. Blood Advances, 2018, 2, 1551-1561.	2.5	31

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91	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.	3.2	31
92	Rho GTPases and Cancer Cell Transendothelial Migration. <i>Methods in Molecular Biology</i> , 2012, 827, 123-142.	0.4	31
93	Analysis of Cell Migration Using the Dunn Chemotaxis Chamber and Time-Lapse Microscopy. , 2005, 294, 031-042.		30
94	RhoE Inhibits 4E-BP1 Phosphorylation and eIF4E Function Impairing Cap-dependent Translation. <i>Journal of Biological Chemistry</i> , 2009, 284, 35287-35296.	1.6	29
95	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.	0.9	28
96	RhoC and ROCKs regulate cancer cell interactions with endothelial cells. <i>Molecular Oncology</i> , 2015, 9, 1043-1055.	2.1	26
97	The Rho GTPase RhoB regulates cadherin expression and epithelial cell-cell interaction. <i>Cell Communication and Signaling</i> , 2015, 13, 6.	2.7	26
98	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.	1.7	26
99	RhoB regulates uPAR signalling. <i>Journal of Cell Science</i> , 2012, 125, 2369-80.	1.2	25
100	Statins inhibit T-acute lymphoblastic leukemia cell adhesion and migration through Rap1b. <i>Journal of Leukocyte Biology</i> , 2011, 89, 577-586.	1.5	24
101	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.	1.8	22
102	N-terminus-mediated dimerization of ROCK-1 is required for RhoE binding and actin reorganization. <i>Biochemical Journal</i> , 2008, 411, 407-414.	1.7	21
103	Hypoxia suppresses myofibroblast differentiation by changing RhoA activity. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	19
104	Rnd3 induces stress fibres in endothelial cells through RhoB. <i>Biology Open</i> , 2013, 2, 210-216.	0.6	18
105	Rnd3-induced cell rounding requires interaction with Plexin-B2. <i>Journal of Cell Science</i> , 2016, 129, 4046-4056.	1.2	17
106	Pulling Back to Move Forward. <i>Cell</i> , 2004, 116, 357-358.	13.5	15
107	Snails, swiss, and serum: The solution for Rac $\hat{=}$ Rho. <i>Cell</i> , 2004, 116, S23-S27.	13.5	14
108	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, 1929-1936.	1.2	13

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109	The STRIPAK complex components FAM40A and FAM40B regulate endothelial cell contractility via ROCKs. <i>BMC Cell Biology</i> , 2018, 19, 26.	3.0	12
110	Bcl-3 promotes multi-modal tumour cell migration via NF- κ B1 mediated regulation of Cdc42. <i>Carcinogenesis</i> , 2020, 41, 1432-1443.	1.3	11
111	RhoBTB1 interacts with ROCKs and inhibits invasion. <i>Biochemical Journal</i> , 2019, 476, 2499-2514.	1.7	11
112	Analysis of the interaction of Plexin-B1 and Plexin-B2 with Rnd family proteins. <i>PLoS ONE</i> , 2017, 12, e0185899.	1.1	11
113	Rnd3 interacts with TAO kinases and contributes to mitotic cell rounding and spindle positioning. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	10
114	Quantification of Transendothelial Migration Using Three-Dimensional Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2011, 769, 167-190.	0.4	9
115	Getting invasive with GEP100 and Arf6. <i>Nature Cell Biology</i> , 2008, 10, 16-18.	4.6	8
116	GTPase switch: Ras then Rho and Rac. <i>Nature Cell Biology</i> , 2013, 15, 337-337.	4.6	8
117	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, 569-578.	1.5	8
118	Rho and Rap guanosine triphosphatase signaling in B cells and chronic lymphocytic leukemia. <i>Leukemia and Lymphoma</i> , 2014, 55, 1993-2001.	0.6	6
119	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, 327-337.	0.4	6
120	Open questions: what about the "other" Rho GTPases?. <i>BMC Biology</i> , 2016, 14, 64.	1.7	4
121	Effects of RhoA and RhoC upon the sensitivity of prostate cancer cells to glutamine deprivation. <i>Small GTPases</i> , 2021, 12, 20-26.	0.7	4
122	Regulation of TNF- α -induced reorganization of the actin cytoskeleton and cell-cell junctions by Rho, Rac, and Cdc42 in human endothelial cells. , 0, .		4
123	Rho GTPase gene expression and breast cancer risk: a Mendelian randomization analysis. <i>Scientific Reports</i> , 2022, 12, 1463.	1.6	4
124	Blebs on the Move. <i>Developmental Cell</i> , 2011, 20, e1.	3.1	2
125	Analyzing the Roles of Rho GTPases in Cancer Cell Adhesion to Endothelial Cells Under Flow Conditions. <i>Methods in Molecular Biology</i> , 2021, 2294, 93-109.	0.4	1
126	Regulation of TNF- α -induced reorganization of the actin cytoskeleton and cell-cell junctions by Rho, Rac, and Cdc42 in human endothelial cells. , 0, .		1

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127	Atypical Rho Family Members. , 2014, , 341-361.		0
128	Cytoskeleton Rho GTPases and Actin Cytoskeleton Dynamics. , 2021, , 268-273.		0
129	Leukocyte Chemotaxis. , 0, , 183-192.		0
130	RhoC (RHOC). , 2016, , 1-9.		0
131	RhoC (RHOC). , 2018, , 4691-4699.		0