Magdalena Chrzanowska-Wodnicka

List of Publications by Year
in descending order

51 papers	6,463 citations	172457 29 h-index	265206 42 g-index
53 all docs	53 docs citations	53 times ranked	6739 citing authors

#	Article	IF	Citations
1	FOCAL ADHESIONS, CONTRACTILITY, AND SIGNALING. Annual Review of Cell and Developmental Biology, 1996, 12, 463-519.	9.4	1,756
2	Rho-stimulated contractility drives the formation of stress fibers and focal adhesions.. Journal of Cell Biology, 1996, 133, 1403-1415.	5.2	1,509
3	Rho-mediated Contractility Exposes a Cryptic Site in Fibronectin and Induces Fibronectin Matrix Assembly. Journal of Cell Biology, 1998, 141, 539-551.	5.2	575
4	Oncogenic Ras Activation of Raf/Mitogen-Activated Protein Kinase-Independent Pathways Is Sufficient To Cause Tumorigenic Transformation. Molecular and Cellular Biology, 1996, 16, 3923-3933.	2.3	346
5	Rap1b is required for normal platelet function and hemostasis in mice. Journal of Clinical Investigation, 2005, 115, 680-687.	8.2	266
6	Focal adhesion assembly. Trends in Cell Biology, 1997, 7, 342-347.	7.9	207
7	Microtubule Depolymerization Induces Stress Fibers, Focal Adhesions, and DNA Synthesis via the GTP-Binding Protein Rho. Cell Adhesion and Communication, 1998, 5, 249-255.	1.7	182
8	Defective angiogenesis, endothelial migration, proliferation, and MAPK signaling in Rap1b-deficient mice. Blood, 2008, 111, 2647-2656.	1.4	145
9	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms Î± and Î² in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. Journal of Biological Chemistry, 2009, 284, 33750-33762.	3.4	110
10	Novel Fluorescent Technology Platform for High Throughput Cytotoxicity and Proliferation Assays. Journal of Biomolecular Screening, 2000, 5, 141-152.	2.6	98
11	Rap1 promotes VEGFR2 activation and angiogenesis by a mechanism involving integrin Î±vÎ²3. Blood, 2011, 118, 2015-2026.	1.4	95
12	The cAMP-responsive Rap1 Guanine Nucleotide Exchange Factor, Epac, Induces Smooth Muscle Relaxation by Down-regulation of RhoA Activity. Journal of Biological Chemistry, 2011, 286, 16681-16692.	3.4	84
13	Mas Oncogene Signaling and Transformation Require the Small GTP-Binding Protein Rac. Molecular and Cellular Biology, 1998, 18, 1225-1235.	2.3	73
14	G2A is an oncogenic G protein-coupled receptor. Oncogene, 2000, 19, 3866-3877.	5.9	71
15	Isolation and Culture of Pulmonary Endothelial Cells from Neonatal Mice. Journal of Visualized Experiments, 2010, , .	0.3	69
16	Distinct Roles for Rap1b Protein in Platelet Secretion and Integrin Î±IIbÎ²3 Outside-in Signaling. Journal of Biological Chemistry, 2011, 286, 39466-39477.	3.4	59
17	The small GTPase Rap1b negatively regulates neutrophil chemotaxis and transcellular diapedesis by inhibiting Akt activation. Journal of Experimental Medicine, 2014, 211, 1741-1758.	8.5	55
18	Rap1b Regulates B Cell Development, Homing, and T Cell-Dependent Humoral Immunity. Journal of Immunology, 2008, 181, 3373-3383.	0.8	49

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19	Distinct functions for Rap1 signaling in vascular morphogenesis and dysfunction. Experimental Cell Research, 2013, 319, 2350-2359.	2.6	48
20	Rap1 in endothelial biology. Current Opinion in Hematology, 2017, 24, 248-255.	2.5	47
21	Enhanced proliferation and migration of vascular smooth muscle cells in response to vascular injury under hyperglycemic conditions is controlled by Î²3 integrin signaling. International Journal of Biochemistry and Cell Biology, 2010, 42, 965-974.	2.8	46
22	Rap1b facilitates NK cell functions via IQGAP1-mediated signalosomes. Journal of Experimental Medicine, 2010, 207, 1923-1938.	8.5	45
23	Rap1b in Smooth Muscle and Endothelium Is Required for Maintenance of Vascular Tone and Normal Blood Pressure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1486-1494.	2.4	43
24	Rap1 promotes endothelial mechanosensing complex formation, <scp>NO</scp> release and normal endothelial function. EMBO Reports, 2015, 16, 628-637.	4.5	42
25	Rap1B promotes VEGF-induced endothelial permeability and is required for dynamic regulation of endothelial barrier. Journal of Cell Science, 2018, 131, .	2.0	42
26	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. Cell Reports, 2019, 29, 3472-3487.e4.	6.4	41
27	Small GTPase Rap1 Is Essential for Mouse Development and Formation of Functional Vasculature. PLoS ONE, 2015, 10, e0145689.	2.5	41
28	A critical role of Rap1b in B-cell trafficking and marginal zone B-cell development. Blood, 2008, 111, 4627-4636.	1.4	40
29	Regulation of angiogenesis by a small GTPase Rap1. Vascular Pharmacology, 2010, 53, 1-10.	2.1	36
30	Integration of Rap1 and Calcium Signaling. International Journal of Molecular Sciences, 2020, 21, 1616.	4.1	31
31	Rap1 GTPase Activation and Barrier Enhancement in RPE Inhibits Choroidal Neovascularization In Vivo. PLoS ONE, 2013, 8, e73070.	2.5	29
32	Integrin-independent role of CalDAG-GEFI in neutrophil chemotaxis. Journal of Leukocyte Biology, 2010, 88, 313-319.	3.3	28
33	Activation of Rap1 inhibits NADPH oxidaseâ€dependent ROS generation in retinal pigment epithelium and reduces choroidal neovascularization. FASEB Journal, 2014, 28, 265-274.	0.5	25
34	Endothelial Rap1 (Ras-Association Proximate 1) Restricts Inflammatory Signaling to Protect From the Progression of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 638-650.	2.4	24
35	What the papers say. Rho, rac and the actin cytoskeleton. BioEssays, 1992, 14, 777-778.	2.5	22
36	Rap1b Is an Effector of Axin2 Regulating Crosstalk of Signaling Pathways During Skeletal Development. Journal of Bone and Mineral Research, 2017, 32, 1816-1828.	2.8	22

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37	Rap1b is critical for glycoproteinÂVI-mediated but not ADP receptor-mediated Î±2Î²1 activation. Journal of Thrombosis and Haemostasis, 2009, 7, 693-700.	3.8	21
38	Nogo-B receptor deficiency causes cerebral vasculature defects during embryonic development in mice. Developmental Biology, 2016, 410, 190-201.	2.0	18
39	Retinal pigment epithelial cell expression of active Rap 1a by scAAV2 inhibits choroidal neovascularization. Molecular Therapy - Methods and Clinical Development, 2016, 3, 16056.	4.1	15
40	Rap1b is required for normal platelet function and hemostasis in mice. Journal of Clinical Investigation, 2005, 115, 2296-2296.	8.2	3
41	Defective Angiogenesis, Endothelial Migration and MAPK Signaling in Rap1bâ^'/â^' Mice.. Blood, 2006, 108, 139-139.	1.4	2
42	DISTINCT ROLES for Rap1b In PLATELET SECRETION and INTEGRIN aIIBb3 OUTSIDE-In SIGNALING. Blood, 2011, 118, 2200-2200.	1.4	2
43	Distinct Signaling Functions of Rap1 Isoforms in NO Release From Endothelium. Frontiers in Cell and Developmental Biology, 2021, 9, 687598.	3.7	1
44	Endothelial and Accessory Cell Interactions in Neuroblastoma Tumor Microenvironment. , 2013, , .		0
45	Abstract 206: Small GTPase Rap1 Transmits Mechanical Signals to Control Vascular Tone and Blood Pressure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
46	The Small Gtpase Rap1b Negatively Regulates Neutrophil Migration During Inflammation By Limiting Trans-Cellular Diapedesis. Blood, 2013, 122, 320-320.	1.4	0
47	Abstract 15: Novel Functions of Small GTPase Rap1 in Regulating Endothelial Homeostasis: Control of Nitric Oxide Release, Vascular Function and Blood Pressure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
48	The small GTPase Rap1b negatively regulates neutrophil chemotaxis and transcellular diapedesis by inhibiting Akt activation. Journal of Cell Biology, 2014, 206, 2064OIA142.	5.2	0
49	Metabolic Remodeling of Neutrophils at Inflammatory Site Drives Invadosome Formation Favoring Transcellular Migration. Blood, 2017, 130, 992-992.	1.4	0
50	Abstract 229: Small GTPase Rap1 deficiency Accelerates Development of Atherosclerosis in ApoE Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
51	Regulation of Cell Contractility by RhoA: Stress Fiber and Focal Adhesion Assembly. , 2019, , 245-262.		0