

Magdalena Chrzanowska-Wodnicka

List of Publications by Year in descending order

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51
papers

6,463
citations

172207

29
h-index

264894

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.	4.0	1,756
2	Rho-stimulated contractility drives the formation of stress fibers and focal adhesions.. Journal of Cell Biology, 1996, 133, 1403-1415.	2.3	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.	2.3	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.	1.1	346
5	Rap1b is required for normal platelet function and hemostasis in mice. Journal of Clinical Investigation, 2005, 115, 680-687.	3.9	266
6	Focal adhesion assembly. Trends in Cell Biology, 1997, 7, 342-347.	3.6	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.	0.6	145
9	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms $\hat{1}\pm$ and $\hat{1}^2$ in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. Journal of Biological Chemistry, 2009, 284, 33750-33762.	1.6	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 $\hat{1}\pm\hat{v}l^23$. Blood, 2011, 118, 2015-2026.	0.6	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.	1.6	84
13	Mas Oncogene Signaling and Transformation Require the Small GTP-Binding Protein Rac. Molecular and Cellular Biology, 1998, 18, 1225-1235.	1.1	73
14	G2A is an oncogenic G protein-coupled receptor. Oncogene, 2000, 19, 3866-3877.	2.6	71
15	Isolation and Culture of Pulmonary Endothelial Cells from Neonatal Mice. Journal of Visualized Experiments, 2010, , .	0.2	69
16	Distinct Roles for Rap1b Protein in Platelet Secretion and Integrin $\hat{1}\pm\hat{I}b\hat{1}^23$ Outside-in Signaling. Journal of Biological Chemistry, 2011, 286, 39466-39477.	1.6	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.	4.2	55
18	Rap1b Regulates B Cell Development, Homing, and T Cell-Dependent Humoral Immunity. Journal of Immunology, 2008, 181, 3373-3383.	0.4	49

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19	Distinct functions for Rap1 signaling in vascular morphogenesis and dysfunction. <i>Experimental Cell Research</i> , 2013, 319, 2350-2359.	1.2	48
20	Rap1 in endothelial biology. <i>Current Opinion in Hematology</i> , 2017, 24, 248-255.	1.2	47
21	Enhanced proliferation and migration of vascular smooth muscle cells in response to vascular injury under hyperglycemic conditions is controlled by β_3 integrin signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 965-974.	1.2	46
22	Rap1b facilitates NK cell functions via IQGAP1-mediated signalosomes. <i>Journal of Experimental Medicine</i> , 2010, 207, 1923-1938.	4.2	45
23	Rap1b in Smooth Muscle and Endothelium Is Required for Maintenance of Vascular Tone and Normal Blood Pressure. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1486-1494.	1.1	43
24	Rap1 promotes endothelial mechanosensing complex formation, NO release and normal endothelial function. <i>EMBO Reports</i> , 2015, 16, 628-637.	2.0	42
25	Rap1B promotes VEGF-induced endothelial permeability and is required for dynamic regulation of endothelial barrier. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	42
26	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. <i>Cell Reports</i> , 2019, 29, 3472-3487.e4.	2.9	41
27	Small GTPase Rap1 Is Essential for Mouse Development and Formation of Functional Vasculature. <i>PLoS ONE</i> , 2015, 10, e0145689.	1.1	41
28	A critical role of Rap1b in B-cell trafficking and marginal zone B-cell development. <i>Blood</i> , 2008, 111, 4627-4636.	0.6	40
29	Regulation of angiogenesis by a small GTPase Rap1. <i>Vascular Pharmacology</i> , 2010, 53, 1-10.	1.0	36
30	Integration of Rap1 and Calcium Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1616.	1.8	31
31	Rap1 GTPase Activation and Barrier Enhancement in RPE Inhibits Choroidal Neovascularization In Vivo. <i>PLoS ONE</i> , 2013, 8, e73070.	1.1	29
32	Integrin-independent role of CalDAG-GEFI in neutrophil chemotaxis. <i>Journal of Leukocyte Biology</i> , 2010, 88, 313-319.	1.5	28
33	Activation of Rap1 inhibits NADPH oxidase-dependent ROS generation in retinal pigment epithelium and reduces choroidal neovascularization. <i>FASEB Journal</i> , 2014, 28, 265-274.	0.2	25
34	Endothelial Rap1 (Ras-Association Proximate 1) Restricts Inflammatory Signaling to Protect From the Progression of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 638-650.	1.1	24
35	What the papers say. Rho, rac and the actin cytoskeleton. <i>BioEssays</i> , 1992, 14, 777-778.	1.2	22
36	Rap1b Is an Effector of Axin2 Regulating Crosstalk of Signaling Pathways During Skeletal Development. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1816-1828.	3.1	22

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37	Rap1b is critical for glycoprotein α VI-mediated but not ADP receptor-mediated β 2 γ 1 activation. Journal of Thrombosis and Haemostasis, 2009, 7, 693-700.	1.9	21
38	Nogo-B receptor deficiency causes cerebral vasculature defects during embryonic development in mice. Developmental Biology, 2016, 410, 190-201.	0.9	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.	1.8	15
40	Rap1b is required for normal platelet function and hemostasis in mice. Journal of Clinical Investigation, 2005, 115, 2296-2296.	3.9	3
41	Defective Angiogenesis, Endothelial Migration and MAPK Signaling in Rap1b Δ^{Δ} Mice.. Blood, 2006, 108, 139-139.	0.6	2
42	DISTINCT ROLES for Rap1b In PLATELET SECRETION and INTEGRIN α IIb β 3 OUTSIDE-In SIGNALING. Blood, 2011, 118, 2200-2200.	0.6	2
43	Distinct Signaling Functions of Rap1 Isoforms in NO Release From Endothelium. Frontiers in Cell and Developmental Biology, 2021, 9, 687598.	1.8	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, .	1.1	0
46	The Small Gtpase Rap1b Negatively Regulates Neutrophil Migration During Inflammation By Limiting Trans-Cellular Diapedesis. Blood, 2013, 122, 320-320.	0.6	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, .	1.1	0
48	The small GTPase Rap1b negatively regulates neutrophil chemotaxis and transcellular diapedesis by inhibiting Akt activation. Journal of Cell Biology, 2014, 206, 2064OIA142.	2.3	0
49	Metabolic Remodeling of Neutrophils at Inflammatory Site Drives Invadosome Formation Favoring Transcellular Migration. Blood, 2017, 130, 992-992.	0.6	0
50	Abstract 229: Small GTPase Rap1 deficiency Accelerates Development of Atherosclerosis in ApoE Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	1.1	0
51	Regulation of Cell Contractility by RhoA: Stress Fiber and Focal Adhesion Assembly. , 2019, , 245-262.		0