

Paola Defilippi

List of Publications by Year in descending order

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86
papers

6,343
citations

101543

36
h-index

66911

78
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91
all docs

91
docs citations

91
times ranked

8652
citing authors

#	ARTICLE	IF	CITATIONS
1	Granulocyte- and granulocyte- α macrophage-colony stimulating factors induce human endothelial cells to migrate and proliferate. <i>Nature</i> , 1989, 337, 471-473.	27.8	640
2	Dynamic Microtubules Regulate Dendritic Spine Morphology and Synaptic Plasticity. <i>Neuron</i> , 2009, 61, 85-100.	8.1	570
3	Role of α _v β ₃ integrin in the activation of vascular endothelial growth factor receptor-2. <i>EMBO Journal</i> , 1999, 18, 882-892.	7.8	562
4	Extracellular matrix, integrins, and growth factors as tailors of the stem cell niche. <i>Current Opinion in Cell Biology</i> , 2012, 24, 645-651.	5.4	363
5	Integrin-induced Epidermal Growth Factor (EGF) Receptor Activation Requires c-Src and p130Cas and Leads to Phosphorylation of Specific EGF Receptor Tyrosines. <i>Journal of Biological Chemistry</i> , 2002, 277, 9405-9414.	3.4	330
6	p130Cas: a versatile scaffold in signaling networks. <i>Trends in Cell Biology</i> , 2006, 16, 257-263.	7.9	288
7	Integrin signalling adaptors: not only figurants in the cancer story. <i>Nature Reviews Cancer</i> , 2010, 10, 858-870.	28.4	288
8	The Mitochondrial Chaperone TRAP1 Promotes Neoplastic Growth by Inhibiting Succinate Dehydrogenase. <i>Cell Metabolism</i> , 2013, 17, 988-999.	16.2	217
9	Actin cytoskeleton organization in response to integrin-mediated adhesion. <i>Microscopy Research and Technique</i> , 1999, 47, 67-78.	2.2	147
10	Human ether-a-go-go-related Gene 1 Channels Are Physically Linked to α _v β ₁ Integrins and Modulate Adhesion-dependent Signaling. <i>Molecular Biology of the Cell</i> , 2005, 16, 2972-2983.	2.1	147
11	p130Cas as a New Regulator of Mammary Epithelial Cell Proliferation, Survival, and HER2-Neu Oncogene-Dependent Breast Tumorigenesis. <i>Cancer Research</i> , 2006, 66, 4672-4680.	0.9	123
12	p130Cas interacts with estrogen receptor α and modulates non-genomic estrogen signaling in breast cancer cells. <i>Journal of Cell Science</i> , 2004, 117, 1603-1611.	2.0	120
13	Integrins and Signal Transduction. <i>Advances in Experimental Medicine and Biology</i> , 2010, 674, 43-54.	1.6	119
14	The Crosstalk Between Tumor Cells and the Immune Microenvironment in Breast Cancer: Implications for Immunotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 610303.	2.8	118
15	Alpha-enolase (ENO1) controls alpha v/beta 3 integrin expression and regulates pancreatic cancer adhesion, invasion, and metastasis. <i>Journal of Hematology and Oncology</i> , 2017, 10, 16.	17.0	101
16	Association of the Dystroglycan Complex Isolated from Bovine Brain Synaptosomes with Proteins Involved in Signal Transduction. <i>Journal of Neurochemistry</i> , 2001, 72, 1648-1655.	3.9	99
17	Nongenomic effects of 17β -estradiol in human platelets: potentiation of thrombin-induced aggregation through estrogen receptor β and Src kinase. <i>Blood</i> , 2005, 105, 115-121.	1.4	97
18	Dissection of Pathways Implicated in Integrin-mediated Actin Cytoskeleton Assembly. <i>Journal of Biological Chemistry</i> , 1997, 272, 21726-21734.	3.4	89

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19	HERG K ⁺ Channels Activation during α 2 β 1 Integrin-mediated Adhesion to Fibronectin Induces an Up-regulation of α 5 β 3 Integrin in the Preosteoclastic Leukemia Cell Line FLG 29.1. <i>Journal of Biological Chemistry</i> , 2001, 276, 4923-4931.	3.4	83
20	p140Cap protein suppresses tumour cell properties, regulating Csk and Src kinase activity. <i>EMBO Journal</i> , 2007, 26, 2843-2855.	7.8	83
21	Focal Adhesion and Stress Fiber Formation Is Regulated by Tyrosine Phosphatase Activity. <i>Experimental Cell Research</i> , 1996, 229, 307-317.	2.6	76
22	Molecular cloning, full-length sequence and preliminary characterization of a 56-kDa protein induced by human interferons. <i>FEBS Journal</i> , 1986, 155, 11-17.	0.2	75
23	p125FAK Tyrosine Phosphorylation and Focal Adhesion Assembly: Studies with Phosphotyrosine Phosphatase Inhibitors. <i>Experimental Cell Research</i> , 1995, 221, 141-152.	2.6	74
24	p130Cas mediates the transforming properties of the anaplastic lymphoma kinase. <i>Blood</i> , 2005, 106, 3907-3916.	1.4	72
25	SNAP-25 regulates spine formation through postsynaptic binding to p140Cap. <i>Nature Communications</i> , 2013, 4, 2136.	12.8	69
26	p27 ^{kip1} Controls Cell Morphology and Motility by Regulating Microtubule-Dependent Lipid Raft Recycling. <i>Molecular and Cellular Biology</i> , 2010, 30, 2229-2240.	2.3	68
27	p130Cas-associated Protein (p140Cap) as a New Tyrosine-phosphorylated Protein Involved in Cell Spreading. <i>Molecular Biology of the Cell</i> , 2004, 15, 787-800.	2.1	64
28	Integrin-Mediated Signal Transduction in Human Endothelial Cells: Analysis of Tyrosine Phosphorylation Events. <i>Cell Adhesion and Communication</i> , 1994, 2, 75-86.	1.7	57
29	Convergence of integrins and EGF receptor signaling via PI3K/Akt/FoxO pathway in early gene Egr α 1 expression. <i>Journal of Cellular Physiology</i> , 2009, 218, 294-303.	4.1	57
30	p140Cap Regulates Memory and Synaptic Plasticity through Src-Mediated and Citron-N-Mediated Actin Reorganization. <i>Journal of Neuroscience</i> , 2014, 34, 1542-1553.	3.6	54
31	Histone arginine methylation in cocaine action in the nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9623-9628.	7.1	52
32	p130Cas is an essential transducer element in ErbB2 transformation. <i>FASEB Journal</i> , 2010, 24, 3796-3808.	0.5	49
33	The conformational state of hHERG1 channels determines integrin association, downstream signaling, and cancer progression. <i>Science Signaling</i> , 2017, 10, .	3.6	49
34	Systematic Analysis of the Epidermal Growth Factor Receptor by Mass Spectrometry Reveals Stimulation-dependent Multisite Phosphorylation. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1107-1121.	3.8	46
35	Integrin-mediated Adhesion of Endothelial Cells Induces JAK2 and STAT5A Activation: Role in the Control of c-fos Gene Expression. <i>Molecular Biology of the Cell</i> , 1999, 10, 3463-3471.	2.1	38
36	STAT3 induces breast cancer growth via ANGPTL4, MMP13 and STC1 secretion by cancer associated fibroblasts. <i>Oncogene</i> , 2022, 41, 1456-1467.	5.9	38

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37	Î²1 integrin and IL-3R coordinately regulate STAT5 activation and anchorage-dependent proliferation. <i>Journal of Cell Biology</i> , 2005, 168, 1099-1108.	5.2	36
38	p130Cas/BCAR1 scaffold protein in tissue homeostasis and pathogenesis. <i>Gene</i> , 2015, 562, 1-7.	2.2	34
39	Characterization of a multidomain adaptor protein, p140Cap, as part of a pre-synaptic complex. <i>Journal of Neurochemistry</i> , 2008, 107, 61-72.	3.9	32
40	PAK4 suppresses RELB to prevent senescence-like growth arrest in breast cancer. <i>Nature Communications</i> , 2019, 10, 3589.	12.8	32
41	Novel Axl-driven signaling pathway and molecular signature characterize high-grade ovarian cancer patients with poor clinical outcome. <i>Oncotarget</i> , 2015, 6, 30859-30875.	1.8	32
42	Synaptic Interactome Mining Reveals p140Cap as a New Hub for PSD Proteins Involved in Psychiatric and Neurological Disorders. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 212.	2.9	30
43	Impaired chromaffin cell excitability and exocytosis in autistic Timothy syndrome TS2 α neo mouse rescued by L-type calcium channel blockers. <i>Journal of Physiology</i> , 2019, 597, 1705-1733.	2.9	30
44	p130Cas promotes invasiveness of three-dimensional ErbB2-transformed mammary acinar structures by enhanced activation of mTOR/p70S6K and Rac1. <i>European Journal of Cell Biology</i> , 2011, 90, 237-248.	3.6	29
45	Role of Tyrosine Phosphorylation in Matrix-Induced Neurite Outgrowth in Human Neuroblastoma Cells. <i>Experimental Cell Research</i> , 1994, 214, 313-322.	2.6	27
46	Quantitation of Multisite EGF Receptor Phosphorylation Using Mass Spectrometry and a Novel Normalization Approach. <i>Journal of Proteome Research</i> , 2007, 6, 2768-2785.	3.7	27
47	Synaptic Microtubule-Associated Protein EB3 and SRC Phosphorylation Mediate Structural and Behavioral Adaptations During Withdrawal From Cocaine Self-Administration. <i>Journal of Neuroscience</i> , 2019, 39, 5634-5646.	3.6	27
48	Mapping of p140Cap Phosphorylation Sites: The EPLYA and EGLYA Motifs Have a Key Role in Tyrosine Phosphorylation and Csk Binding, and Are Substrates of the Abl Kinase. <i>PLoS ONE</i> , 2013, 8, e54931.	2.5	26
49	The scaffold protein p140Cap limits ERBB2-mediated breast cancer progression interfering with Rac GTPase-controlled circuitries. <i>Nature Communications</i> , 2017, 8, 14797.	12.8	26
50	Distinct involvement of Cdc42 and RhoA GTPases in actin organization and cell shape in untransformed and Dbl oncogene transformed NIH3T3 cells. <i>Oncogene</i> , 2000, 19, 1428-1436.	5.9	25
51	The SRCIN1/p140Cap adaptor protein negatively regulates the aggressiveness of neuroblastoma. <i>Cell Death and Differentiation</i> , 2020, 27, 790-807.	11.2	25
52	p130Cas/Cyclooxygenase-2 axis in the control of mesenchymal plasticity of breast cancer cells. <i>Breast Cancer Research</i> , 2012, 14, R137.	5.0	24
53	STAT5 Activation Induced by Diabetic LDL Depends on LDL Glycation and Occurs Via src Kinase Activity. <i>Diabetes</i> , 2002, 51, 3311-3317.	0.6	24
54	Cas proteins: dodgy scaffolding in breast cancer. <i>Breast Cancer Research</i> , 2014, 16, 443.	5.0	23

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55	Poly(Lactic Acid)-Based Blends With Tailored Physicochemical Properties for Tissue Engineering Applications: A Case Study. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 90-98.	3.4	22
56	Actin cytoskeleton polymerization in Dbl-transformed NIH3T3 fibroblasts is dependent on cell adhesion to specific extracellular matrix proteins. <i>Oncogene</i> , 1997, 14, 1933-1943.	5.9	19
57	Therapeutic targeting of Lyn kinase to treat chorea-acanthocytosis. <i>Acta Neuropathologica Communications</i> , 2021, 9, 81.	5.2	19
58	Identification of p130Cas/ErbB2-dependent invasive signatures in transformed mammary epithelial cells. <i>Cell Cycle</i> , 2013, 12, 2409-2422.	2.6	18
59	Molecular Insights into the MAPK Cascade during Viral Infection: Potential Crosstalk between HCQ and HCQ Analogues. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	18
60	Cooperative but distinct early co-signaling events originate from ERBB2 and ERBB1 receptors upon trastuzumab treatment in breast cancer cells. <i>Oncotarget</i> , 2017, 8, 60109-60122.	1.8	18
61	Dysregulation of Blimp1 transcriptional repressor unleashes p130Cas/ErbB2 breast cancer invasion. <i>Scientific Reports</i> , 2017, 7, 1145.	3.3	17
62	p130Cas alters the differentiation potential of mammary luminal progenitors by deregulating c-Kit activity. <i>Stem Cells</i> , 2013, 31, 1422-1433.	3.2	16
63	The interaction between KDR and interleukin-3 receptor (IL-3R) beta common modulates tumor neovascularization. <i>Oncogene</i> , 2005, 24, 6394-6405.	5.9	14
64	p140Cap Regulates GABAergic Synaptogenesis and Development of Hippocampal Inhibitory Circuits. <i>Cerebral Cortex</i> , 2019, 29, 91-105.	2.9	13
65	Antiviral activity of a chemically stabilized 2-5A analog upon microinjection into HeLa cells. <i>FEBS Letters</i> , 1986, 198, 326-332.	2.8	12
66	Conditional ablation of p130Cas/BCAR1 adaptor protein impairs epidermal homeostasis by altering cell adhesion and differentiation. <i>Cell Communication and Signaling</i> , 2018, 16, 73.	6.5	12
67	The adaptor proteins p140CAP and p130CAS as molecular hubs in cell migration and invasion of cancer cells. <i>American Journal of Cancer Research</i> , 2011, 1, 663-73.	1.4	12
68	Identification of two regions in the p140Cap adaptor protein that retain the ability to suppress tumor cell properties. <i>American Journal of Cancer Research</i> , 2013, 3, 290-301.	1.4	11
69	miRNA-guided reprogramming of glucose and glutamine metabolism and its impact on cell adhesion/migration during solid tumor progression. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 216.	5.4	11
70	p130Cas Over-Expression Impairs Mammary Branching Morphogenesis in Response to Estrogen and EGF. <i>PLoS ONE</i> , 2012, 7, e49817.	2.5	9
71	p130Cas scaffold protein regulates ErbB2 stability by altering breast cancer cell sensitivity to autophagy. <i>Oncotarget</i> , 2016, 7, 4442-4453.	1.8	8
72	Dissecting the Shared and Context-Dependent Pathways Mediated by the p140Cap Adaptor Protein in Cancer and in Neurons. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 222.	3.7	7

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73	The p140Cap adaptor protein as a molecular hub to block cancer aggressiveness. Cellular and Molecular Life Sciences, 2021, 78, 1355-1367.	5.4	7
74	Modulation of extracellular matrix receptors (integrins) on human endothelial cells by cytokines. Exs, 1992, 61, 193-197.	1.4	6
75	p130Cas/BCAR1 and p140Cap/SRCIN1 Adaptors: The Yin Yang in Breast Cancer?. Frontiers in Cell and Developmental Biology, 2021, 9, 729093.	3.7	5
76	Modeling ErbB2-p130Cas interaction to design new potential anticancer agents. Scientific Reports, 2019, 9, 3089.	3.3	4
77	ESDN inhibits melanoma progression by blocking E-selectin expression in endothelial cells via STAT3. Cancer Letters, 2021, 510, 13-23.	7.2	4
78	Actin cytoskeleton organization in response to integrin-mediated adhesion. Microscopy Research and Technique, 1999, 47, 67-78.	2.2	4
79	Role of azithromycin in antiviral treatment: enhancement of interferon-dependent antiviral pathways and mitigation of inflammation may rely on inhibition of the MAPK cascade?. American Journal of Translational Research (discontinued), 2020, 12, 7702-7708.	0.0	4
80	Docking Protein p130Cas Regulates Acinar to Ductal Metaplasia During Pancreatic Adenocarcinoma Development and Pancreatitis. Gastroenterology, 2022, 162, 1242-1255.e11.	1.3	4
81	New alternative splicing BCR/ABL-OOF shows an oncogenic role by lack of inhibition of BCR GTPase activity and an increased of persistence of Rac activation in chronic myeloid leukemia. Oncoscience, 2015, 2, 880-891.	2.2	3
82	Dll4/Notch1 signaling from tip/stalk endothelial cell specification to stroma-dependent lung tumor inhibition: a flavor of Dll4/Notch1 pleiotropy in tumor cell biology. Translational Lung Cancer Research, 2013, 2, 466-9.	2.8	2
83	The N-terminal domain of the adaptor protein p140Cap interacts with Tiam1 and controls Tiam1/Rac1 axis. American Journal of Cancer Research, 2020, 10, 4308-4324.	1.4	2
84	Induction of Intracellular Signals Through Binding of Adhesive Molecules: Activation of p125FAK Tyrosine Phosphorylation. , 1999, 96, 191-198.		1
85	The Scaffold Protein p140Cap as a Molecular Hub for Limiting Cancer Progression: A New Paradigm in Neuroblastoma. , 0, , .		0
86	p140Cap Controls Female Fertility in Mice Acting via Glutamatergic Afference on Hypothalamic Gonadotropin-Releasing Hormone Neurons. Frontiers in Neuroscience, 2022, 16, 744693.	2.8	0