Jonathan Chernoff

List of Publications by Year
in descending order

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227 papers	17,510 citations	12330 69 h-index	15266 126 g-index
371 all docs	371 docs citations	371 times ranked	15925 citing authors

#	Article	IF	Citations
1	Rho Family GTPases Regulate p38 Mitogen-activated Protein Kinase through the Downstream Mediator Pak1. Journal of Biological Chemistry, 1995, 270, 23934-23936.	3.4	695
2	Human p21-activated kinase (Pak1) regulates actin organization in mammalian cells. Current Biology, 1997, 7, 202-210.	3.9	630
3	Apoptotic Phosphorylation of Histone H2B Is Mediated by Mammalian Sterile Twenty Kinase. Cell, 2003, 113, 507-517.	28.9	441
4	Rapid Induction of Dendritic Spine Morphogenesis by trans-Synaptic EphrinB-EphB Receptor Activation of the Rho-GEF Kalirin. Neuron, 2003, 37, 263-274.	8.1	418
5	Regulation of human leukocyte p21-activated kinases through G protein--coupled receptors. Science, 1995, 269, 221-223.	12.6	399
6	PAK signalling during the development and progression of cancer. Nature Reviews Cancer, 2014, 14, 13-25.	28.4	392
7	Identification of a Mouse p21Cdc42/Rac Activated Kinase. Journal of Biological Chemistry, 1995, 270, 22731-22737.	3.4	383
8	p21-Activated Kinase 1 (Pak1) Regulates Cell Motility in Mammalian Fibroblasts. Journal of Cell Biology, 1999, 145, 837-849.	5.2	357
9	Caspase-mediated activation and induction of apoptosis by the mammalian Ste20-like kinase Mst1. EMBO Journal, 1998, 17, 2224-2234.	7.8	340
10	p21-Activated kinases: three more join the Pak. International Journal of Biochemistry and Cell Biology, 2002, 34, 713-717.	2.8	330
11	An Isoform-Selective, Small-Molecule Inhibitor Targets the Autoregulatory Mechanism of p21-Activated Kinase. Chemistry and Biology, 2008, 15, 322-331.	6.0	328
12	A tale of two Paks. Biology of the Cell, 2008, 100, 97-108.	2.0	288
13	Emerging from the Pak: the p21-activated protein kinase family. Trends in Cell Biology, 1997, 7, 162-167.	7.9	283
14	Regulation of Macropinocytosis by p21-activated Kinase-1. Molecular Biology of the Cell, 2000, 11, 3341-3352.	2.1	267
15	Regulation of PAK Activation and the T Cell Cytoskeleton by the Linker Protein SLP-76. Immunity, 1998, 9, 607-616.	14.3	262
16	An in vivo Assay to Test Blood Vessel Permeability. Journal of Visualized Experiments, 2013, , e50062.	0.3	255
17	Heregulin Regulates Cytoskeletal Reorganization and Cell Migration through the p21-activated Kinase-1 via Phosphatidylinositol-3 Kinase. Journal of Biological Chemistry, 1998, 273, 28238-28246.	3.4	254
18	The adaptor protein Nck links receptor tyrosine kinases with the serine-threonine kinase Pak1. Journal of Biological Chemistry, 1996, 271, 20997-21000.	3.4	247

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19	Direct Binding of the Proline-rich Region of Protein Tyrosine Phosphatase 1B to the Src Homology 3 Domain of p130Cas. Journal of Biological Chemistry, 1996, 271, 31290-31295.	3.4	243
20	p21-activated Kinase Links Rac/Cdc42 Signaling to Merlin. Journal of Biological Chemistry, 2002, 277, 883-886.	3.4	236
21	Protein-Tyrosine Phosphatase 1B Complexes with the Insulin Receptor in Vivo and Is Tyrosine-phosphorylated in the Presence of Insulin. Journal of Biological Chemistry, 1997, 272, 1639-1645.	3.4	229
22	PTP1B: a double agent in metabolism and oncogenesis. Trends in Biochemical Sciences, 2010, 35, 442-449.	7.5	228
23	Regulatable Expression of p21-activated Kinase-1 Promotes Anchorage-independent Growth and Abnormal Organization of Mitotic Spindles in Human Epithelial Breast Cancer Cells. Journal of Biological Chemistry, 2000, 275, 36238-36244.	3.4	226
24	Targeting and activation of Rac1 are mediated by the exchange factor Î²-Pix. Journal of Cell Biology, 2006, 172, 759-769.	5.2	221
25	The genetics of Pak. Journal of Cell Science, 2004, 117, 4343-4354.	2.0	215
26	Cloning of a cDNA for a major human protein-tyrosine-phosphatase.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 2735-2739.	7.1	209
27	The Ste20-like Protein Kinase, Mst1, Dimerizes and Contains an Inhibitory Domain. Journal of Biological Chemistry, 1996, 271, 21049-21053.	3.4	191
28	Kinase-Deficient Pak1 Mutants Inhibit Ras Transformation of Rat-1 Fibroblasts. Molecular and Cellular Biology, 1997, 17, 4454-4464.	2.3	188
29	p38 Mitogen-Activated Protein Kinase Mediates Cell Death and p21-Activated Kinase Mediates Cell Survival during Chemotherapeutic Drug-induced Mitotic Arrest. Molecular Biology of the Cell, 2003, 14, 2071-2087.	2.1	177
30	Cloning and Characterization of a Human Protein Kinase with Homology to Ste20. Journal of Biological Chemistry, 1995, 270, 21695-21700.	3.4	174
31	Resistance to BET Bromodomain Inhibitors Is Mediated by Kinome Reprogramming in Ovarian Cancer. Cell Reports, 2016, 16, 1273-1286.	6.4	165
32	Protein tyrosine phosphatase 1B interacts with and is tyrosine phosphorylated by the epidermal growth factor receptor. Biochemical Journal, 1997, 327, 139-145.	3.7	163
33	Regulation of Microfilament Reorganization and Invasiveness of Breast Cancer Cells by Kinase Dead p21-activated Kinase-1. Journal of Biological Chemistry, 2000, 275, 12041-12050.	3.4	153
34	p21-Activated Kinase 5 (Pak5) Localizes to Mitochondria and Inhibits Apoptosis by Phosphorylating BAD. Molecular and Cellular Biology, 2003, 23, 5526-5539.	2.3	146
35	PAK signalling drives acquired drug resistance to MAPK inhibitors in BRAF-mutant melanomas. Nature, 2017, 550, 133-136.	27.8	146
36	Temporal and Spatial Distribution of Activated Pak1 in Fibroblasts. Journal of Cell Biology, 2000, 151, 1449-1458.	5.2	142

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37	PTEN Deficiency and AMPK Activation Promote Nutrient Scavenging and Anabolism in Prostate Cancer Cells. Cancer Discovery, 2018, 8, 866-883.	9.4	141
38	Fission yeast pak1+ encodes a protein kinase that interacts with Cdc42p and is involved in the control of cell polarity and mating.. EMBO Journal, 1995, 14, 5908-5919.	7.8	139
39	Tuberin, the tuberous sclerosis complex 2 tumor suppressor gene product, regulates Rho activation, cell adhesion and migration. Oncogene, 2002, 21, 8470-8476.	5.9	134
40	p21â€activated kinase 1 interacts with and phosphorylates histone H3 in breast cancer cells. EMBO Reports, 2002, 3, 767-773.	4.5	134
41	Protein tyrosine phosphatase 1B negatively regulates integrin signaling. Current Biology, 1998, 8, 173-S2.	3.9	126
42	Cloning and characterization of a member of the MST subfamily of Ste20-like kinases. Gene, 1995, 167, 303-306.	2.2	124
43	Role of Group A p21-activated Kinases in Activation of Extracellular-regulated Kinase by Growth Factors. Journal of Biological Chemistry, 2005, 280, 36609-36615.	3.4	118
44	Specificity Profiling of Pak Kinases Allows Identification of Novel Phosphorylation Sites. Journal of Biological Chemistry, 2007, 282, 15667-15678.	3.4	116
45	Tpl-2 acts in concert with Ras and Raf-1 to activate mitogen-activated protein kinase.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 9755-9759.	7.1	110
46	Inhibition or Ablation of p21-activated Kinase (PAK1) Disrupts Glucose Homeostatic Mechanisms in Vivo. Journal of Biological Chemistry, 2011, 286, 41359-41367.	3.4	110
47	FRAX597, a Small Molecule Inhibitor of the p21-activated Kinases, Inhibits Tumorigenesis of Neurofibromatosis Type 2 (NF2)-associated Schwannomas. Journal of Biological Chemistry, 2013, 288, 29105-29114.	3.4	110
48	A phosphotyrosyl-protein phosphatase activity associated with acid phosphatase from human prostate gland. FEBS Journal, 1984, 138, 45-51.	0.2	108
49	A major phosphotyrosyl-protein phosphatase from bovine heart is associated with a low-molecular-weight acid phosphatase. Archives of Biochemistry and Biophysics, 1985, 240, 135-145.	3.0	105
50	p21-activated kinase regulates mast cell degranulation via effects on calcium mobilization and cytoskeletal dynamics. Blood, 2009, 113, 2695-2705.	1.4	105
51	p21-Activated Kinase 1 Is Required for Efficient Tumor Formation and Progression in a Ras-Mediated Skin Cancer Model. Cancer Research, 2012, 72, 5966-5975.	0.9	102
52	Regulation of protein tyrosine phosphatase 1B by sumoylation. Nature Cell Biology, 2007, 9, 80-85.	10.3	100
53	Rac1 Drives Melanoblast Organization during Mouse Development by Orchestrating Pseudopod-Driven Motility and Cell-Cycle Progression. Developmental Cell, 2011, 21, 722-734.	7.0	98
54	A Racâ€“Pak signaling pathway is essential for ErbB2-mediated transformation of human breast epithelial cancer cells. Oncogene, 2010, 29, 5839-5849.	5.9	92

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55	Spatially Distinct Binding of Cdc42 to PAK1 and N-WASP in Breast Carcinoma Cells. Molecular and Cellular Biology, 2005, 25, 1680-1695.	2.3	90
56	Plant GTPases: the Rhos in bloom. Trends in Cell Biology, 2000, 10, 141-146.	7.9	88
57	Activation of Src by Protein Tyrosine Phosphatase 1B Is Required for ErbB2 Transformation of Human Breast Epithelial Cells. Cancer Research, 2009, 69, 4582-4588.	0.9	84
58	Evidence for a Role of Mixed Lineage Kinases in Neuronal Apoptosis. Journal of Neuroscience, 2001, 21, 4949-4957.	3.6	83
59	Down-regulation of Insulin Signaling by Protein-tyrosine Phosphatase 1B Is Mediated by an N-terminal Binding Region. Journal of Biological Chemistry, 2000, 275, 23642-23647.	3.4	82
60	Vav1 Transduces T Cell Receptor Signals to the Activation of the Ras/ERK Pathway via LAT, Sos, and RasGRP1. Journal of Biological Chemistry, 2004, 279, 18239-18246.	3.4	82
61	A Dimeric Kinase Assembly Underlying Autophosphorylation in the p21 Activated Kinases. Journal of Molecular Biology, 2006, 361, 312-326.	4.2	82
62	Pak1 regulates focal adhesion strength, myosin IIA distribution, and actin dynamics to optimize cell migration. Journal of Cell Biology, 2011, 193, 1289-1303.	5.2	82
63	Regulation of mammalian Ste20 (Mst) kinases. Trends in Biochemical Sciences, 2015, 40, 149-156.	7.5	81
64	Cell Cycle-Regulated Phosphorylation of p21-Activated Kinase 1. Current Biology, 2002, 12, 1227-1232.	3.9	80
65	Epitope-tag vectors for eukaryotic protein production. Gene, 1995, 152, 187-189.	2.2	75
66	The evolutionary history of effectors downstream of Cdc42 and Rac. Genome Biology, 2002, 3, reviews0002.1.	9.6	75
67	Î±6Î²4 integrin activates Rac-dependent p21-activated kinase 1 to drive NF-Î°B-dependent resistance to apoptosis in 3D mammary acini. Journal of Cell Science, 2007, 120, 3700-3712.	2.0	75
68	Targeting Cdc42 in cancer. Expert Opinion on Therapeutic Targets, 2013, 17, 1263-1273.	3.4	73
69	Characterization of a phosphotyrosyl protein phosphatase activity associated with a phosphoseryl protein phosphatase of Mr = 95,000 from bovine heart.. Journal of Biological Chemistry, 1983, 258, 7852-7857.	3.4	73
70	Essential role of CIB1 in regulating PAK1 activation and cell migration. Journal of Cell Biology, 2005, 170, 465-476.	5.2	72
71	Regulation of Akt/PKB activity by P21-activated kinase in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2008, 44, 429-434.	1.9	72
72	PAK1-mediated activation of ERK1/2 regulates lamellipodial dynamics. Journal of Cell Science, 2008, 121, 3729-3736.	2.0	71

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73	Alphaherpesvirus US3-mediated reorganization of the actin cytoskeleton is mediated by group A p21-activated kinases. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8707-8712.	7.1	71
74	Lentivirus Nef Specifically Activates Pak2. Journal of Virology, 2000, 74, 11081-11087.	3.4	70
75	Pak1 regulates multiple c-Kit mediated Ras-MAPK gain-in-function phenotypes in Nf1+/â^' mast cells. Blood, 2008, 112, 4646-4654.	1.4	70
76	The DeMSTification of Mammalian Ste20 Kinases. Current Biology, 2009, 19, R421-R425.	3.9	70
77	Pak1 Kinase Links ErbB2 to Î²-Catenin in Transformation of Breast Epithelial Cells. Cancer Research, 2013, 73, 3671-3682.	0.9	70
78	Targeting PAK1. Biochemical Society Transactions, 2017, 45, 79-88.	3.4	69
79	Transformation Suppression by Protein Tyrosine Phosphatase 1B Requires a Functional SH3 Ligand. Molecular and Cellular Biology, 1998, 18, 250-259.	2.3	68
80	NF2: The wizardry of merlin. Genes Chromosomes and Cancer, 2003, 38, 389-399.	2.8	67
81	Pak1 and PIX regulate contact inhibition during epithelial wound healing. EMBO Journal, 2003, 22, 4155-4165.	7.8	66
82	Fission yeast pak1+ encodes a protein kinase that interacts with Cdc42p and is involved in the control of cell polarity and mating. EMBO Journal, 1995, 14, 5908-19.	7.8	64
83	Protein tyrosine phosphatases as negative regulators of mitogenic signaling. , 1999, 180, 173-181.		63
84	Interaction of Rac1 with GTPase-activating Proteins and Putative Effectors. Journal of Biological Chemistry, 1998, 273, 8776-8782.	3.4	62
85	Nucleocytoplasmic Shuttling of Pak5 Regulates Its Antiapoptotic Properties. Molecular and Cellular Biology, 2006, 26, 3215-3230.	2.3	62
86	AND-34/BCAR3, a GDP exchange factor whose overexpression confers antiestrogen resistance, activates Rac, PAK1, and the cyclin D1 promoter. Cancer Research, 2003, 63, 6802-8.	0.9	62
87	Small molecule inhibition of group I p21-activated kinases in breast cancer induces apoptosis and potentiates the activity of microtubule stabilizing agents. Breast Cancer Research, 2015, 17, 59.	5.0	61
88	Identification of the Atypical MAPK Erk3 as a Novel Substrate for p21-activated Kinase (Pak) Activity. Journal of Biological Chemistry, 2011, 286, 13603-13611.	3.4	60
89	Characterization of a phosphotyrosyl protein phosphatase activity associated with a phosphoseryl protein phosphatase of Mr = 95,000 from bovine heart. Journal of Biological Chemistry, 1983, 258, 7852-7.	3.4	59
90	Characterization of phosphotyrosyl-protein phosphatase activity associated with calcineurin. Biochemical and Biophysical Research Communications, 1984, 121, 141-148.	2.1	55

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91	Arpc1b, a centrosomal protein, is both an activator and substrate of Aurora A. Journal of Cell Biology, 2010, 190, 101-114.	5.2	55
92	Does salmon calcitonin cause cancer? A review and meta-analysis. Osteoporosis International, 2016, 27, 13-19.	3.1	55
93	The Tumor Suppressor Mst1 Promotes Changes in the Cellular Redox State by Phosphorylation and Inactivation of Peroxiredoxin-1 Protein. Journal of Biological Chemistry, 2013, 288, 8762-8771.	3.4	54
94	p21-Activated Kinase 2 Regulates Endothelial Development and Function through the Bmk1/Erk5 Pathway. Molecular and Cellular Biology, 2015, 35, 3990-4005.	2.3	54
95	The fission yeast genes pyp1+ and pyp2+ encode protein tyrosine phosphatases that negatively regulate mitosis.. Molecular and Cellular Biology, 1992, 12, 5571-5580.	2.3	53
96	Ablation of p21-activated kinase-1 in mice promotes isoproterenol-induced cardiac hypertrophy in association with activation of Erk1/2 and inhibition of protein phosphatase 2A. Journal of Molecular and Cellular Cardiology, 2011, 51, 988-996.	1.9	52
97	Mouse models of PAK function. Cellular Logistics, 2012, 2, 84-88.	0.9	52
98	An emerging role for p21-activated kinases (Paks) in viral infections. Trends in Cell Biology, 2010, 20, 160-169.	7.9	51
99	Pak2 is required for actin cytoskeleton remodeling, TCR signaling, and normal thymocyte development and maturation. ELife, 2014, 3, e02270.	6.0	51
100	Molecular Pathways: Targeting the Kinase Effectors of RHO-Family GTPases. Clinical Cancer Research, 2015, 21, 24-29.	7.0	51
101	Nerve Growth Factor Stimulates Tyrosine Phosphorylation and Activation of Src Homology-containing Protein-tyrosine Phosphatase 1 in PC12 Cells. Journal of Biological Chemistry, 1995, 270, 25629-25633.	3.4	50
102	Rho-GTPases: New members, new pathways. Journal of Cellular Biochemistry, 2005, 94, 225-231.	2.6	50
103	A fission-yeast gene encoding a protein with features of protein-tyrosine-phosphatases.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3455-3459.	7.1	49
104	PAK1 is a therapeutic target in acute myeloid leukemia and myelodysplastic syndrome. Blood, 2015, 126, 1118-1127.	1.4	49
105	A Phosphotyrosine Proteomic Screen Identifies Multiple Tyrosine Kinase Signaling Pathways Aberrantly Activated in Malignant Mesothelioma. Genes and Cancer, 2010, 1, 493-505.	1.9	48
106	Pak2 as a Novel Therapeutic Target for Cardioprotective Endoplasmic Reticulum Stress Response. Circulation Research, 2019, 124, 696-711.	4.5	48
107	p21-Activated Kinase (PAK) Regulates Cytoskeletal Reorganization and Directional Migration in Human Neutrophils. PLoS ONE, 2013, 8, e73063.	2.5	47
108	Characterization of Pak2p, a Pleckstrin Homology Domain-containing, p21-activated Protein Kinase from Fission Yeast. Journal of Biological Chemistry, 1998, 273, 18490-18498.	3.4	46

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109	Multiple forms of phosphotyrosyl- and phosphoseryl-protein phosphatase from cardiac muscle: Partial purification and characterization of an EDTA-stimulated phosphotyrosyl-protein phosphatase. Archives of Biochemistry and Biophysics, 1983, 226, 517-530.	3.0	45
110	Interaction with LC8 Is Required for Pak1 Nuclear Import and Is Indispensable for Zebrafish Development. PLoS ONE, 2009, 4, e6025.	2.5	45
111	Crystal Structure of a Complex between Protein Tyrosine Phosphatase 1B and the Insulin Receptor Tyrosine Kinase. Structure, 2005, 13, 1643-1651.	3.3	43
112	The kinase-inhibitory domain of p21-activated kinase 1 (PAK1) inhibits cell cycle progression independent of PAK1 kinase activity. Oncogene, 2007, 26, 1820-1828.	5.9	43
113	Molecular Pathways: Targeting RACâ€“p21-Activated Serineâ€“Threonine Kinase Signaling in RAS-Driven Cancers. Clinical Cancer Research, 2014, 20, 4740-4746.	7.0	43
114	Suppression of RAC1-driven malignant melanoma by group A PAK inhibitors. Oncogene, 2018, 37, 944-952.	5.9	43
115	Group I p21-Activated Kinases (PAKs) Promote Tumor Cell Proliferation and Survival through the AKT1 and Rafâ€“MAPK Pathways. Molecular Cancer Research, 2012, 10, 1178-1188.	3.4	42
116	Pak2 restrains endomitosis during megakaryopoiesis and alters cytoskeleton organization. Blood, 2015, 125, 2995-3005.	1.4	42
117	The PAK system links Rho GTPase signaling to thrombin-mediated platelet activation. American Journal of Physiology - Cell Physiology, 2013, 305, C519-C528.	4.6	41
118	Group I Paks as therapeutic targets in NF2-deficient meningioma. Oncotarget, 2015, 6, 1981-1994.	1.8	38
119	P21-Activated Protein Kinase 1 (Pak1) Mediates the Cross Talk between Insulin and Î²-Catenin on Proglucagon Gene Expression and Its Ablation Affects Glucose Homeostasis in Male C57BL/6 Mice. Endocrinology, 2013, 154, 77-88.	2.8	37
120	Protein-tyrosine Phosphatase 1B Mediates the Effects of Insulin on the Actin Cytoskeleton in Immortalized Fibroblasts. Journal of Biological Chemistry, 2003, 278, 40607-40611.	3.4	36
121	Combined inhibition of Aurora A and p21-activated kinase 1 as a new treatment strategy in breast cancer. Breast Cancer Research and Treatment, 2019, 177, 369-382.	2.5	36
122	RAC1 as a Therapeutic Target in Malignant Melanoma. Trends in Cancer, 2020, 6, 478-488.	7.4	35
123	Detection of Peptides, Proteins, and Drugs That Selectively Interact With Protein Targets. Genome Research, 2002, 12, 1785-1791.	5.5	34
124	Visinin-like protein-1 is a potent inhibitor of cell adhesion and migration in squamous carcinoma cells. Oncogene, 2005, 24, 2307-2316.	5.9	34
125	PAK kinase regulates Rac GTPase and is a potential target in human schwannomas. Experimental Neurology, 2009, 218, 137-144.	4.1	34
126	p21 Activated Kinase Signaling Coordinates Glycoprotein Receptor VIâ€“Mediated Platelet Aggregation, Lamellipodia Formation, and Aggregate Stability Under Shear. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1544-1551.	2.4	34

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127	Group I Paks Promote Skeletal Myoblast Differentiation In Vivo and In Vitro. Molecular and Cellular Biology, 2017, 37, .	2.3	32
128	Long-term culture and passage of human fetal liver cells that synthesize albumin. In Vitro, 1985, 21, 216-220.	1.2	31
129	The Rac GTPase effector p21-activated kinase is essential for hematopoietic stem/progenitor cell migration and engraftment. Blood, 2013, 121, 2474-2482.	1.4	31
130	Analysis of Small GTPase Signaling Pathways Using p21-activated Kinase Mutants That Selectively Couple to Cdc42. Journal of Biological Chemistry, 2001, 276, 40606-40613.	3.4	29
131	The mTOR pathway affects proliferation and chemosensitivity of urothelial carcinoma cells and is upregulated in a subset of human bladder cancers. BJU International, 2011, 108, E84-90.	2.5	29
132	Sequential phosphorylation of SLP-76 at tyrosine 173 is required for activation of T and mast cells. EMBO Journal, 2011, 30, 3160-3172.	7.8	29
133	The PAK Signaling System Links Rho Gtpase Activation to Platelet Lamellopodia Formation, Aggregation and Aggregate Stability Under Shear. Blood, 2012, 120, 1060-1060.	1.4	29
134	Interaction of protein tyrosine phosphatase (PTP) 1B with its substrates is influenced by two distinct binding domains. Biochemical Journal, 2002, 364, 377-383.	3.7	28
135	Pak2 Kinase Restrains Mast Cell FcÏµRI Receptor Signaling through Modulation of Rho Protein Guanine Nucleotide Exchange Factor (GEF) Activity. Journal of Biological Chemistry, 2013, 288, 974-983.	3.4	28
136	p21-Activated Kinase Inhibitors. The Enzymes, 2013, 34 Pt. B, 157-180.	1.7	28
137	Targeting group I p21-activated kinases to control malignant peripheral nerve sheath tumor growth and metastasis. Oncogene, 2017, 36, 5421-5431.	5.9	28
138	Role of p21-activated kinases in cardiovascular development and function. Cellular and Molecular Life Sciences, 2013, 70, 4223-4228.	5.4	27
139	H-ras Inhibits the Hippo Pathway by Promoting Mst1/Mst2 Heterodimerization. Current Biology, 2016, 26, 1556-1563.	3.9	27
140	Effects of p21-activated kinase 1 inhibition on 11q13-amplified ovarian cancer cells. Oncogene, 2016, 35, 2178-2185.	5.9	27
141	p21-activated kinase 2 regulates HSPC cytoskeleton, migration, and homing via CDC42 activation and interaction with Î²-Pix. Blood, 2016, 127, 1967-1975.	1.4	26
142	Tuning PAK Activity to Rescue Abnormal Myelin Permeability in HNPP. PLoS Genetics, 2016, 12, e1006290.	3.5	25
143	p21-activated kinases in ErbB2-positive breast cancer. Small GTPases, 2010, 1, 124-128.	1.6	24
144	p21-activated kinase improves cardiac contractility during ischemia-reperfusion concomitant with changes in troponin-T and myosin light chain 2 phosphorylation. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H224-H230.	3.2	24

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145	The Fission Yeast Genes pyp1⁺ and pyp2⁺ Encode Protein Tyrosine Phosphatases That Negatively Regulate Mitosis. Molecular and Cellular Biology, 1992, 12, 5571-5580.	2.3	24
146	ArhGAP15, a Rac-specific GTPase-activating Protein, Plays a Dual Role in Inhibiting Small GTPase Signaling. Journal of Biological Chemistry, 2013, 288, 21117-21125.	3.4	23
147	Protein-Tyrosine Phosphatase 1B as a Potential Drug Target for Obesity. Current Drug Targets Immune, Endocrine and Metabolic Disorders, 2003, 3, 299-304.	1.8	23
148	Pak2 Regulates Hematopoietic Progenitor Cell Proliferation, Survival, and Differentiation. Stem Cells, 2015, 33, 1630-1641.	3.2	22
149	Disruption of p21-activated kinase 1 gene diminishes atherosclerosis in apolipoprotein E-deficient mice. Nature Communications, 2015, 6, 7450.	12.8	22
150	Group I Paks are essential for epithelial- mesenchymal transition in an Apc-driven model of colorectal cancer. Nature Communications, 2018, 9, 3473.	12.8	22
151	Intrinsic Resistance to MEK Inhibition through BET Proteinâ€“Mediated Kinome Reprogramming in NF1-Deficient Ovarian Cancer. Molecular Cancer Research, 2019, 17, 1721-1734.	3.4	22
152	Sumoylated protein tyrosine phosphatase 1B localizes to the inner nuclear membrane and regulates the tyrosine phosphorylation of emerin. Journal of Cell Science, 2012, 125, 310-316.	2.0	21
153	Functional proteomics interrogation of the kinome identifies MRCKA as a therapeutic target in high-grade serous ovarian carcinoma. Science Signaling, 2020, 13, .	3.6	20
154	The Cross-Rho'ds of Cell-Cell Adhesion. Journal of Biological Chemistry, 2004, 279, 35123-35126.	3.4	19
155	p21-Activated Kinases Are Required for Transformation in a Cell-Based Model of Neurofibromatosis Type 2. PLoS ONE, 2010, 5, e13791.	2.5	19
156	Group I p21-activated kinases: Emerging roles in immune function and viral pathogenesis. International Journal of Biochemistry and Cell Biology, 2010, 42, 13-16.	2.8	19
157	PKM2 Enters the Morpheein Academy. Molecular Cell, 2012, 45, 583-584.	9.7	19
158	Determinants of Patient Adherence to Consultative Comprehensive Geriatric Assessment Recommendations. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1997, 52A, M44-M51.	3.6	18
159	The role of p21-activated kinase in the initiation of atherosclerosis. BMC Cardiovascular Disorders, 2012, 12, 55.	1.7	17
160	Activation of cAMP Signaling Attenuates Impaired Hepatic Glucose Disposal in Aged Male p21-Activated Protein Kinase-1 Knockout Mice. Endocrinology, 2014, 155, 2122-2132.	2.8	17
161	An Essential Role for the Tumor-Suppressor Merlin in Regulating Fatty Acid Synthesis. Cancer Research, 2017, 77, 5026-5038.	0.9	17
162	Inhibition of p21 Activated Kinase (PAK) Reduces Airway Responsiveness In Vivo and In Vitro in Murine and Human Airways. PLoS ONE, 2012, 7, e42601.	2.5	17

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163	Gq-mediated Akt translocation to the membrane: a novel PIP3-independent mechanism in platelets. Blood, 2015, 125, 175-184.	1.4	16
164	Close encounters of the LIM-kinase. Nature Cell Biology, 1999, 1, E115-E117.	10.3	15
165	Reduced PAK1 activity sensitizes FA/BRCA-proficient breast cancer cells to PARP inhibition. Oncotarget, 2016, 7, 76590-76603.	1.8	14
166	Pak2 Regulation of Nrf2 Serves as a Novel Signaling Nexus Linking ER Stress Response and Oxidative Stress in the Heart. Frontiers in Cardiovascular Medicine, 2022, 9, 851419.	2.4	14
167	Two-hybrid dual bait system to discriminate specificity of protein interactions in small GTPases. Methods in Enzymology, 2001, 332, 277-300.	1.0	13
168	Pak2 regulates myeloid-derived suppressor cell development in mice. Blood Advances, 2017, 1, 1923-1933.	5.2	13
169	Pak GITs to Aurora-A. Developmental Cell, 2005, 9, 573-574.	7.0	12
170	A Pak1/Erk Signaling Module Acts through Gata6 to Regulate Cardiovascular Development in Zebrafish. Developmental Cell, 2014, 29, 350-359.	7.0	12
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