

Kozo Kaibuchi

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194
papers

20,088
citations

72
h-index

140
g-index

205
ext. papers

22,084
ext. citations

8.4
avg, IF

6.34
L-index

#	Paper	IF	Citations
194	Phosphorylation and activation of myosin by Rho-associated kinase (Rho-kinase). <i>Journal of Biological Chemistry</i> , 1996 , 271, 20246-9	5.4	1556
193	GSK-3beta regulates phosphorylation of CRMP-2 and neuronal polarity. <i>Cell</i> , 2005 , 120, 137-49	56.2	734
192	Rho-kinase phosphorylates COOH-terminal threonines of ezrin/radixin/moesin (ERM) proteins and regulates their head-to-tail association. <i>Journal of Cell Biology</i> , 1998 , 140, 647-57	7.3	725
191	CRMP-2 binds to tubulin heterodimers to promote microtubule assembly. <i>Nature Cell Biology</i> , 2002 , 4, 583-91	23.4	616
190	Rho-kinase/ROCK: A key regulator of the cytoskeleton and cell polarity. <i>Cytoskeleton</i> , 2010 , 67, 545-54	2.4	591
189	Neuronal polarity: from extracellular signals to intracellular mechanisms. <i>Nature Reviews Neuroscience</i> , 2007 , 8, 194-205	13.5	506
188	Rac1 and Cdc42 capture microtubules through IQGAP1 and CLIP-170. <i>Cell</i> , 2002 , 109, 873-85	56.2	487
187	Phosphorylation of myosin-binding subunit (MBS) of myosin phosphatase by Rho-kinase in vivo. <i>Journal of Cell Biology</i> , 1999 , 147, 1023-38	7.3	479
186	CRMP-2 induces axons in cultured hippocampal neurons. <i>Nature Neuroscience</i> , 2001 , 4, 781-2	25.5	457
185	Role of IQGAP1, a target of the small GTPases Cdc42 and Rac1, in regulation of E-cadherin-mediated cell-cell adhesion. <i>Science</i> , 1998 , 281, 832-5	33.3	400
184	Roles of Rho-family GTPases in cell polarisation and directional migration. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 590-7	9	392
183	Interaction with IQGAP1 links APC to Rac1, Cdc42, and actin filaments during cell polarization and migration. <i>Developmental Cell</i> , 2004 , 7, 871-83	10.2	381
182	Synaptic dysregulation in a human iPS cell model of mental disorders. <i>Nature</i> , 2014 , 515, 414-8	50.4	376
181	Rho-family GTPases in cadherin-mediated cell-cell adhesion. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 887-97	48.7	357
180	Akt/PKB regulates actin organization and cell motility via Girdin/APE. <i>Developmental Cell</i> , 2005 , 9, 389-400	20.2	336
179	PAR-6-PAR-3 mediates Cdc42-induced Rac activation through the Rac GEFs STEF/Tiam1. <i>Nature Cell Biology</i> , 2005 , 7, 270-7	23.4	307
178	IQGAP1: a key regulator of adhesion and migration. <i>Journal of Cell Science</i> , 2005 , 118, 2085-92	5.3	292

177	Numb controls integrin endocytosis for directional cell migration with aPKC and PAR-3. <i>Developmental Cell</i> , 2007 , 13, 15-28	10.2	280
176	Phosphorylation of collapsin response mediator protein-2 by Rho-kinase. Evidence for two separate signaling pathways for growth cone collapse. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23973-80	5.4	272
175	Rho-kinase--mediated contraction of isolated stress fibers. <i>Journal of Cell Biology</i> , 2001 , 153, 569-84	7.3	265
174	Phosphorylation of adducin by Rho-kinase plays a crucial role in cell motility. <i>Journal of Cell Biology</i> , 1999 , 145, 347-61	7.3	256
173	Identification of IQGAP as a putative target for the small GTPases, Cdc42 and Rac1. <i>Journal of Biological Chemistry</i> , 1996 , 271, 23363-7	5.4	254
172	Regulation of microtubules in cell migration. <i>Trends in Cell Biology</i> , 2005 , 15, 76-83	18.3	244
171	Role of the PAR-3-KIF3 complex in the establishment of neuronal polarity. <i>Nature Cell Biology</i> , 2004 , 6, 328-34	23.4	236
170	Myosin II activation promotes neurite retraction during the action of Rho and Rho-kinase. <i>Genes To Cells</i> , 1998 , 3, 177-88	2.3	222
169	CRMP-2 regulates polarized Numb-mediated endocytosis for axon growth. <i>Nature Cell Biology</i> , 2003 , 5, 819-26	23.4	211
168	Phosphorylation by Rho kinase regulates CRMP-2 activity in growth cones. <i>Molecular and Cellular Biology</i> , 2005 , 25, 9973-84	4.8	210
167	The COOH terminus of Rho-kinase negatively regulates rho-kinase activity. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32418-24	5.4	208
166	CRMP-2 is involved in kinesin-1-dependent transport of the Sra-1/WAVE1 complex and axon formation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 9920-35	4.8	205
165	Essential roles for GSK-3s and GSK-3-primed substrates in neurotrophin-induced and hippocampal axon growth. <i>Neuron</i> , 2006 , 52, 981-96	13.9	195
164	DISC1 regulates the transport of the NUDEL/LIS1/14-3-3epsilon complex through kinesin-1. <i>Journal of Neuroscience</i> , 2007 , 27, 15-26	6.6	194
163	Spatial regulation of VEGF receptor endocytosis in angiogenesis. <i>Nature Cell Biology</i> , 2013 , 15, 249-60	23.4	190
162	Association of the myosin-binding subunit of myosin phosphatase and moesin: dual regulation of moesin phosphorylation by Rho-associated kinase and myosin phosphatase. <i>Journal of Cell Biology</i> , 1998 , 141, 409-18	7.3	188
161	Cdc42 and Rac1 regulate the interaction of IQGAP1 with beta-catenin. <i>Journal of Biological Chemistry</i> , 1999 , 274, 26044-50	5.4	175
160	PIP3 is involved in neuronal polarization and axon formation. <i>Journal of Neurochemistry</i> , 2004 , 89, 109-18	18.3	174

159	Tubulin and CRMP-2 complex is transported via Kinesin-1. <i>Journal of Neurochemistry</i> , 2005 , 93, 1371-82	6	173
158	Novel role of microtubules in thrombin-induced endothelial barrier dysfunction. <i>FASEB Journal</i> , 2004 , 18, 1879-90	0.9	169
157	Regulation of the association of adducin with actin filaments by Rho-associated kinase (Rho-kinase) and myosin phosphatase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 5542-8	5.4	161
156	Regulation of cross-linking of actin filament by IQGAP1, a target for Cdc42. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29579-83	5.4	157
155	Dia1 and IQGAP1 interact in cell migration and phagocytic cup formation. <i>Journal of Cell Biology</i> , 2007 , 178, 193-200	7.3	152
154	Microtubule disassembly induces cytoskeletal remodeling and lung vascular barrier dysfunction: role of Rho-dependent mechanisms. <i>Journal of Cellular Physiology</i> , 2004 , 201, 55-70	7	151
153	Role of CRMP-2 in neuronal polarity. <i>Journal of Neurobiology</i> , 2004 , 58, 34-47		149
152	AMPK controls the speed of microtubule polymerization and directional cell migration through CLIP-170 phosphorylation. <i>Nature Cell Biology</i> , 2010 , 12, 583-90	23.4	147
151	The structural basis of Rho effector recognition revealed by the crystal structure of human RhoA complexed with the effector domain of PKN/PRK1. <i>Molecular Cell</i> , 1999 , 4, 793-803	17.6	146
150	Genome-wide association study of schizophrenia in a Japanese population. <i>Biological Psychiatry</i> , 2011 , 69, 472-8	7.9	145
149	Anterograde transport of TrkB in axons is mediated by direct interaction with Slp1 and Rab27. <i>Developmental Cell</i> , 2009 , 16, 675-86	10.2	143
148	Roles of disrupted-in-schizophrenia 1-interacting protein girdin in postnatal development of the dentate gyrus. <i>Neuron</i> , 2009 , 63, 774-87	13.9	138
147	Ras regulates neuronal polarity via the PI3-kinase/Akt/GSK-3beta/CRMP-2 pathway. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 62-8	3.4	136
146	Rho-kinase phosphorylates PAR-3 and disrupts PAR complex formation. <i>Developmental Cell</i> , 2008 , 14, 205-15	10.2	127
145	Molecular mechanism for the regulation of rho-kinase by dimerization and its inhibition by fasudil. <i>Structure</i> , 2006 , 14, 589-600	5.2	120
144	Key regulators in neuronal polarity. <i>Neuron</i> , 2005 , 48, 881-4	13.9	119
143	Positive role of IQGAP1, an effector of Rac1, in actin-meshwork formation at sites of cell-cell contact. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1065-76	3.5	118
142	IQGAP3, a novel effector of Rac1 and Cdc42, regulates neurite outgrowth. <i>Journal of Cell Science</i> , 2007 , 120, 567-77	5.3	117

141	Behavioral alterations associated with targeted disruption of exons 2 and 3 of the Disc1 gene in the mouse. <i>Human Molecular Genetics</i> , 2011 , 20, 4666-83	5.6	116
140	Sema4D/plexin-B1 activates GSK-3beta through R-Ras GAP activity, inducing growth cone collapse. <i>EMBO Reports</i> , 2006 , 7, 704-9	6.5	111
139	Pioneering axons regulate neuronal polarization in the developing cerebral cortex. <i>Neuron</i> , 2014 , 81, 814-29	13.9	104
138	Phosphorylation of CLASP2 by GSK-3beta regulates its interaction with IQGAP1, EB1 and microtubules. <i>Journal of Cell Science</i> , 2009 , 122, 2969-79	5.3	102
137	Phosphorylation of ERM proteins at filopodia induced by Cdc42. <i>Genes To Cells</i> , 2000 , 5, 571-81	2.3	95
136	Neuronal polarization. <i>Development (Cambridge)</i> , 2015 , 142, 2088-93	6.6	94
135	Structural basis for tubulin recognition by cytoplasmic linker protein 170 and its autoinhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10346-51	11.5	94
134	DISC1 regulates neurotrophin-induced axon elongation via interaction with Grb2. <i>Journal of Neuroscience</i> , 2007 , 27, 4-14	6.6	90
133	Identification of YWHAE, a gene encoding 14-3-3epsilon, as a possible susceptibility gene for schizophrenia. <i>Human Molecular Genetics</i> , 2008 , 17, 3212-22	5.6	88
132	Role of numb in dendritic spine development with a Cdc42 GEF intersectin and EphB2. <i>Molecular Biology of the Cell</i> , 2006 , 17, 1273-85	3.5	86
131	Numb controls E-cadherin endocytosis through p120 catenin with aPKC. <i>Molecular Biology of the Cell</i> , 2011 , 22, 3103-19	3.5	83
130	Thioredoxin mediates oxidation-dependent phosphorylation of CRMP2 and growth cone collapse. <i>Science Signaling</i> , 2011 , 4, ra26	8.8	82
129	Identification of Tau and MAP2 as novel substrates of Rho-kinase and myosin phosphatase. <i>Journal of Neurochemistry</i> , 2003 , 87, 780-90	6	82
128	Cytoskeletal regulation by AUTS2 in neuronal migration and neuritogenesis. <i>Cell Reports</i> , 2014 , 9, 2166-79	10.6	81
127	Involvement of IQGAP1, an effector of Rac1 and Cdc42 GTPases, in cell-cell dissociation during cell scattering. <i>Molecular and Cellular Biology</i> , 2001 , 21, 2165-83	4.8	81
126	Binding of APC and dishevelled mediates Wnt5a-regulated focal adhesion dynamics in migrating cells. <i>EMBO Journal</i> , 2010 , 29, 1192-204	13	80
125	Interaction between ROCK II and nucleophosmin/B23 in the regulation of centrosome duplication. <i>Molecular and Cellular Biology</i> , 2006 , 26, 9016-34	4.8	80
124	Nuclear Rho kinase, ROCK2, targets p300 acetyltransferase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15320-9	5.4	77

123	14-3-3 ζ and τ regulate neurogenesis and differentiation of neuronal progenitor cells in the developing brain. <i>Journal of Neuroscience</i> , 2014 , 34, 12168-81	6.6	74
122	Regulation of neuronal migration, an emerging topic in autism spectrum disorders. <i>Journal of Neurochemistry</i> , 2016 , 136, 440-56	6	72
121	TAG-1-assisted progenitor elongation streamlines nuclear migration to optimize subapical crowding. <i>Nature Neuroscience</i> , 2013 , 16, 1556-66	25.5	69
120	IQGAP1 suppresses TRII-mediated myofibroblastic activation and metastatic growth in liver. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1138-56	15.9	65
119	Extracellular and Intracellular Signaling for Neuronal Polarity. <i>Physiological Reviews</i> , 2015 , 95, 995-1024	47.9	64
118	The Dishevelled-associating protein Daple controls the non-canonical Wnt/Rac pathway and cell motility. <i>Nature Communications</i> , 2012 , 3, 859	17.4	62
117	Cadherin-mediated intercellular adhesion and signaling cascades involving small GTPases. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009 , 1, a003020	10.2	61
116	Distribution of Rho-kinase in the bovine brain. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 263, 575-9	3.4	61
115	Resequencing and association analysis of the KALRN and EPHB1 genes and their contribution to schizophrenia susceptibility. <i>Schizophrenia Bulletin</i> , 2012 , 38, 552-60	1.3	59
114	Tiam1 interaction with the PAR complex promotes talin-mediated Rac1 activation during polarized cell migration. <i>Journal of Cell Biology</i> , 2012 , 199, 331-45	7.3	57
113	Girdin is an intrinsic regulator of neuroblast chain migration in the rostral migratory stream of the postnatal brain. <i>Journal of Neuroscience</i> , 2011 , 31, 8109-22	6.6	57
112	RhoA and rho kinase regulate the epithelial Na ⁺ /H ⁺ exchanger NHE3. Role of myosin light chain phosphorylation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 28599-606	5.4	56
111	Phosphoproteomics of the Dopamine Pathway Enables Discovery of Rap1 Activation as a Reward Signal In Vivo. <i>Neuron</i> , 2016 , 89, 550-65	13.9	52
110	IQGAPs as Key Regulators of Actin-cytoskeleton Dynamics. <i>Cell Structure and Function</i> , 2015 , 40, 69-77	2.2	51
109	NMDA receptor regulates migration of newly generated neurons in the adult hippocampus via Disrupted-In-Schizophrenia 1 (DISC1). <i>Journal of Neurochemistry</i> , 2011 , 118, 34-44	6	50
108	Kinase-interacting substrate screening is a novel method to identify kinase substrates. <i>Journal of Cell Biology</i> , 2015 , 209, 895-912	7.3	49
107	Rho-kinase contributes to sustained RhoA activation through phosphorylation of p190A RhoGAP. <i>Journal of Biological Chemistry</i> , 2009 , 284, 5067-76	5.4	48
106	Characterization and function of MYPT2, a target subunit of myosin phosphatase in heart. <i>Cellular Signalling</i> , 2006 , 18, 1408-16	4.9	47

105	Radial Glial Cell-Neuron Interaction Directs Axon Formation at the Opposite Side of the Neuron from the Contact Site. <i>Journal of Neuroscience</i> , 2015 , 35, 14517-32	6.6	46
104	CRMP-2 directly binds to cytoplasmic dynein and interferes with its activity. <i>Journal of Neurochemistry</i> , 2009 , 111, 380-90	6	46
103	Parallel coiled-coil association of the RhoA-binding domain in Rho-kinase. <i>Journal of Biological Chemistry</i> , 2003 , 278, 46046-51	5.4	46
102	Disrupted-in-schizophrenia 1 regulates transport of ITPR1 mRNA for synaptic plasticity. <i>Nature Neuroscience</i> , 2015 , 18, 698-707	25.5	45
101	Beneficial compaction of spinal cord lesion by migrating astrocytes through glycogen synthase kinase-3 inhibition. <i>EMBO Molecular Medicine</i> , 2011 , 3, 682-96	12	45
100	Reconstitution of dynamic microtubules with Drosophila XMAP215, EB1, and Sentin. <i>Journal of Cell Biology</i> , 2012 , 199, 849-62	7.3	45
99	Involvement of Girdin in the determination of cell polarity during cell migration. <i>PLoS ONE</i> , 2012 , 7, e36681	9.7	43
98	Local application of neurotrophins specifies axons through inositol 1,4,5-trisphosphate, calcium, and Ca ²⁺ /calmodulin-dependent protein kinases. <i>Science Signaling</i> , 2011 , 4, ra76	8.8	43
97	EB1 promotes microtubule dynamics by recruiting Sentin in Drosophila cells. <i>Journal of Cell Biology</i> , 2011 , 193, 973-83	7.3	42
96	Discovery of long-range inhibitory signaling to ensure single axon formation. <i>Nature Communications</i> , 2017 , 8, 33	17.4	41
95	Distinct distribution and localization of Rho-kinase in mouse epithelial, muscle and neural tissues. <i>Cell Structure and Function</i> , 2012 , 37, 155-75	2.2	41
94	Astroglial IFITM3 mediates neuronal impairments following neonatal immune challenge in mice. <i>Glia</i> , 2013 , 61, 679-93	9	39
93	The inositol 5-phosphatase SHIP2 is an effector of RhoA and is involved in cell polarity and migration. <i>Molecular Biology of the Cell</i> , 2012 , 23, 2593-604	3.5	38
92	Single-Cell Memory Regulates a Neural Circuit for Sensory Behavior. <i>Cell Reports</i> , 2016 , 14, 11-21	10.6	37
91	Neuronal polarization in vivo: Growing in a complex environment. <i>Current Opinion in Neurobiology</i> , 2014 , 27, 215-23	7.6	37
90	Migration defects by DISC1 knockdown in C57BL/6, 129X1/SvJ, and ICR strains via in utero gene transfer and virus-mediated RNAi. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 400, 631-74	3.7	37
89	Daple Coordinates Planar Polarized Microtubule Dynamics in Ependymal Cells and Contributes to Hydrocephalus. <i>Cell Reports</i> , 2017 , 20, 960-972	10.6	36
88	Survival of corticostriatal neurons by Rho/Rho-kinase signaling pathway. <i>Neuroscience Letters</i> , 2016 , 630, 45-52	3.3	35

87	Alterations of GABAergic and dopaminergic systems in mutant mice with disruption of exons 2 and 3 of the Disc1 gene. <i>Neurochemistry International</i> , 2014 , 74, 74-83	4.4	35
86	Speed control for neuronal migration in the postnatal brain by Gmip-mediated local inactivation of RhoA. <i>Nature Communications</i> , 2014 , 5, 4532	17.4	34
85	Dysfunction of dopamine release in the prefrontal cortex of dysbindin deficient sandy mice: an in vivo microdialysis study. <i>Neuroscience Letters</i> , 2010 , 470, 134-8	3.3	33
84	Role for Daple in non-canonical Wnt signaling during gastric cancer invasion and metastasis. <i>Cancer Science</i> , 2016 , 107, 133-9	6.9	33
83	TTBK2 with EB1/3 regulates microtubule dynamics in migrating cells through KIF2A phosphorylation. <i>Journal of Cell Biology</i> , 2015 , 210, 737-51	7.3	31
82	Phosphorylation Signals in Striatal Medium Spiny Neurons. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 858-871	13.2	31
81	Regulatory machinery of UNC-33 Ce-CRMP localization in neurites during neuronal development in <i>Caenorhabditis elegans</i> . <i>Journal of Neurochemistry</i> , 2005 , 95, 1629-41	6	30
80	A proteomic approach for comprehensively screening substrates of protein kinases such as Rho-kinase. <i>PLoS ONE</i> , 2010 , 5, e8704	3.7	30
79	TRIM27/MRTF-B-dependent integrin β expression defines leading cells in cancer cell collectives. <i>Cell Reports</i> , 2014 , 7, 1156-67	10.6	29
78	ERK2-mediated phosphorylation of Par3 regulates neuronal polarization. <i>Journal of Neuroscience</i> , 2013 , 33, 13270-85	6.6	28
77	Regulation of cargo-selective endocytosis by dynamin 2 GTPase-activating protein girdin. <i>EMBO Journal</i> , 2014 , 33, 2098-112	13	27
76	Deubiquitinating enzymes regulate Hes1 stability and neuronal differentiation. <i>FEBS Journal</i> , 2015 , 282, 2411-23	5.7	26
75	Neuronal Per Arnt Sim (PAS) domain protein 4 (NPAS4) regulates neurite outgrowth and phosphorylation of synapsin I. <i>Journal of Biological Chemistry</i> , 2013 , 288, 2655-64	5.4	26
74	Proteomic analysis reveals novel binding partners of dysbindin, a schizophrenia-related protein. <i>Journal of Neurochemistry</i> , 2009 , 110, 1567-74	6	26
73	Disrupted-in-schizophrenia-1 (DISC1) Regulates Endoplasmic Reticulum Calcium Dynamics. <i>Scientific Reports</i> , 2015 , 5, 8694	4.9	24
72	RhoGEF12 controls cardiac remodeling by integrating G protein- and integrin-dependent signaling cascades. <i>Journal of Experimental Medicine</i> , 2013 , 210, 665-73	16.6	24
71	Rho-kinase modulates the function of STEF, a Rac GEF, through its phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 788-94	3.4	23
70	Proteomic screening for Rho-kinase substrates by combining kinase and phosphatase inhibitors with 14-3-3 β affinity chromatography. <i>Cell Structure and Function</i> , 2012 , 37, 39-48	2.2	22

69	Activated Cdc42-bound IQGAP1 determines the cellular endocytic site. <i>Molecular and Cellular Biology</i> , 2013 , 33, 4834-43	4.8	22
68	The role of selective transport in neuronal polarization. <i>Developmental Neurobiology</i> , 2011 , 71, 445-57	3.2	22
67	Pathological Progression Induced by the Frontotemporal Dementia-Associated R406W Tau Mutation in Patient-Derived iPSCs. <i>Stem Cell Reports</i> , 2019 , 13, 684-699	8	20
66	Identification of Rare, Single-Nucleotide Mutations in NDE1 and Their Contributions to Schizophrenia Susceptibility. <i>Schizophrenia Bulletin</i> , 2015 , 41, 744-53	1.3	20
65	Neuronal Polarity: Positive and Negative Feedback Signals. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 69	5.7	20
64	PAR3-aPKC regulates Tiam1 by modulating suppressive internal interactions. <i>Molecular Biology of the Cell</i> , 2016 , 27, 1511-23	3.5	17
63	Impairment of the tyrosine hydroxylase neuronal network in the orbitofrontal cortex of a genetically modified mouse model of schizophrenia. <i>Brain Research</i> , 2011 , 1392, 47-53	3.7	17
62	Protein kinase G signaling disrupts Rac1-dependent focal adhesion assembly in liver specific pericytes. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C66-74	5.4	17
61	Immunohistochemical evaluation of the GABAergic neuronal system in the prefrontal cortex of a DISC1 knockout mouse model of schizophrenia. <i>Synapse</i> , 2016 , 70, 508-518	2.4	16
60	PI3K regulates endocytosis after insulin secretion by mediating signaling crosstalk between Arf6 and Rab27a. <i>Journal of Cell Science</i> , 2016 , 129, 637-49	5.3	16
59	LRRK1-phosphorylated CLIP-170 regulates EGFR trafficking by recruiting p150Glued to microtubule plus ends. <i>Journal of Cell Science</i> , 2015 , 128, 385-96	5.3	16
58	Identification of focal adhesion kinase (FAK) and phosphatidylinositol 3-kinase (PI3-kinase) as Par3 partners by proteomic analysis. <i>Cytoskeleton</i> , 2010 , 67, 297-308	2.4	16
57	Purification and in vitro activity of Rho-associated kinase. <i>Methods in Enzymology</i> , 2000 , 325, 149-55	1.7	16
56	LRRK1 phosphorylation of Rab7 at S72 links trafficking of EGFR-containing endosomes to its effector RILP. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	15
55	Targeting Tyro3 ameliorates a model of PGRN-mutant FTLD-TDP via tau-mediated synaptic pathology. <i>Nature Communications</i> , 2018 , 9, 433	17.4	15
54	Analysis of the VAV3 as candidate gene for schizophrenia: evidences from voxel-based morphometry and mutation screening. <i>Schizophrenia Bulletin</i> , 2013 , 39, 720-8	1.3	15
53	Phosphorylation of Npas4 by MAPK Regulates Reward-Related Gene Expression and Behaviors. <i>Cell Reports</i> , 2019 , 29, 3235-3252.e9	10.6	15
52	Balance between dopamine and adenosine signals regulates the PKA/Rap1 pathway in striatal medium spiny neurons. <i>Neurochemistry International</i> , 2019 , 122, 8-18	4.4	15

51	PAR3 and aPKC regulate Golgi organization through CLASP2 phosphorylation to generate cell polarity. <i>Molecular Biology of the Cell</i> , 2015 , 26, 751-61	3.5	14
50	The polymorphism of YWHAE, a gene encoding 14-3-3epsilon, and orbitofrontal sulcogyral pattern in patients with schizophrenia and healthy subjects. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 51, 166-71	5.5	14
49	A FRET Biosensor for ROCK Based on a Consensus Substrate Sequence Identified by KISS Technology. <i>Cell Structure and Function</i> , 2017 , 42, 1-13	2.2	14
48	Roles of IQGAP1 in Cell Polarization and Migration. <i>Novartis Foundation Symposium</i> , 2008 , 92-105		14
47	Phospholipid localization implies microglial morphology and function via Cdc42 in vitro. <i>Glia</i> , 2017 , 65, 740-755	9	13
46	The polymorphism of YWHAE, a gene encoding 14-3-3epsilon, and brain morphology in schizophrenia: a voxel-based morphometric study. <i>PLoS ONE</i> , 2014 , 9, e103571	3.7	13
45	In vivo gene transfer of dominant-negative rho-kinase induces regression of coronary arteriosclerosis in pigs. <i>Annals of the New York Academy of Sciences</i> , 2001 , 947, 407-11	6.5	13
44	Plk1 phosphorylates CLIP-170 and regulates its binding to microtubules for chromosome alignment. <i>Cell Structure and Function</i> , 2014 , 39, 45-59	2.2	12
43	Identification of the novel autoantigen candidate Rab GDP dissociation inhibitor alpha in isolated adrenocorticotropin deficiency. <i>Endocrine Journal</i> , 2015 , 62, 153-60	2.9	12
42	Regulation of vascular endothelial growth factor receptor function in angiogenesis by numb and numb-like. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1815-25	9.4	12
41	Flexible search for single-axon morphology during neuronal spontaneous polarization. <i>PLoS ONE</i> , 2011 , 6, e19034	3.7	12
40	Developing novel methods to search for substrates of protein kinases such as Rho-kinase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015 , 1854, 1663-6	4	11
39	In vivo screening for substrates of protein kinase A using a combination of proteomic approaches and pharmacological modulation of kinase activity. <i>Cell Structure and Function</i> , 2015 , 40, 1-12	2.2	11
38	Protein Kinase N Promotes Stress-Induced Cardiac Dysfunction Through Phosphorylation of Myocardin-Related Transcription Factor A and Disruption of Its Interaction With Actin. <i>Circulation</i> , 2019 , 140, 1737-1752	16.7	10
37	Stimulation of Synaptic Vesicle Exocytosis by the Mental Disease Gene DISC1 is Mediated by N-Type Voltage-Gated Calcium Channels. <i>Frontiers in Synaptic Neuroscience</i> , 2016 , 8, 15	3.5	10
36	A new approach for the direct visualization of the membrane cytoskeleton in cryo-electron microscopy: a comparative study with freeze-etching electron microscopy. <i>Microscopy (Oxford, England)</i> , 2016 , 65, 488-498	1.3	9
35	Protein kinases phosphorylate long disordered regions in intrinsically disordered proteins. <i>Protein Science</i> , 2020 , 29, 564-571	6.3	8
34	Preferential targeting of p39-activated Cdk5 to Rac1-induced lamellipodia. <i>Molecular and Cellular Neurosciences</i> , 2014 , 61, 34-45	4.8	7

33	NMDA receptor antagonist prevents cell death in the hippocampal dentate gyrus induced by hyponatremia accompanying adrenal insufficiency in rats. <i>Experimental Neurology</i> , 2017 , 287, 65-74	5.7	7
32	Phosphoproteomic Analysis Using the WW and FHA Domains as Biological Filters. <i>Cell Structure and Function</i> , 2015 , 40, 95-104	2.2	7
31	Neuropeptide Y neuronal network dysfunction in the frontal lobe of a genetic mouse model of schizophrenia. <i>Neuropeptides</i> , 2017 , 62, 27-35	3.3	6
30	Phosphorylation of Gephyrin in Zebrafish Mauthner Cells Governs Glycine Receptor Clustering and Behavioral Desensitization to Sound. <i>Journal of Neuroscience</i> , 2019 , 39, 8988-8997	6.6	6
29	Advances in defining signaling networks for the establishment of neuronal polarity. <i>Current Opinion in Cell Biology</i> , 2020 , 63, 76-87	9	6
28	Focused Proteomics Revealed a Novel Rho-kinase Signaling Pathway in the Heart. <i>Cell Structure and Function</i> , 2016 , 41, 105-20	2.2	6
27	Identification of Protein Kinase Substrates by the Kinase-Interacting Substrate Screening (KISS) Approach. <i>Current Protocols in Cell Biology</i> , 2016 , 72, 14.16.1-14.16.12	2.3	6
26	Comprehensive analysis of kinase-oriented phospho-signalling pathways. <i>Journal of Biochemistry</i> , 2019 , 165, 301-307	3.1	6
25	Role of a tyrosine phosphorylation of SMG-9 in binding of SMG-9 to IQGAP and the NMD complex. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 410, 29-33	3.4	5
24	Cyclin D1 controls development of cerebellar granule cell progenitors through phosphorylation and stabilization of ATOH1. <i>EMBO Journal</i> , 2021 , 40, e105712	13	5
23	Catecholaminergic neuronal network dysfunction in the frontal lobe of a genetic mouse model of schizophrenia. <i>Acta Neuropsychiatrica</i> , 2016 , 28, 117-23	3.9	4
22	In Vivo Identification of Protein Kinase Substrates by Kinase-Oriented Substrate Screening (KIOSS). <i>Current Protocols in Chemical Biology</i> , 2019 , 11, e60	1.8	4
21	Dopamine Receptor Dop1R2 Stabilizes Appetitive Olfactory Memory through the Raf/MAPK Pathway in. <i>Journal of Neuroscience</i> , 2020 , 40, 2935-2942	6.6	3
20	IRR is involved in glucose-induced endocytosis after insulin secretion. <i>Journal of Pharmacological Sciences</i> , 2019 , 140, 300-304	3.7	3
19	Proteomic analysis of Girdin-interacting proteins in migrating new neurons in the postnatal mouse brain. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 442, 16-21	3.4	3
18	SOCS3-microtubule interaction via CLIP-170 and CLASP2 is critical for modulation of endothelial inflammation and lung injury. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100239	5.4	3
17	Hyaluronan synthesis supports glutamate transporter activity. <i>Journal of Neurochemistry</i> , 2019 , 150, 249-263	6	2
16	Accumbal D2R-medium spiny neurons regulate aversive behaviors through PKA-Rap1 pathway. <i>Neurochemistry International</i> , 2021 , 143, 104935	4.4	2

15	GDP-Bound Rab27a Dissociates from the Endocytic Machinery in a Phosphorylation-Dependent Manner after Insulin Secretion. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 1532-1537	2.3	1
14	RhoGEF-mediated vasoconstriction in hypertension. <i>Hypertension Research</i> , 2013 , 36, 930-1	4.7	1
13	Prickle2 and Igsf9b Coordinately Regulate the Cytoarchitecture of the Axon Initial Segment. <i>Cell Structure and Function</i> , 2020 , 45, 143-154	2.2	1
12	CRMP-2 binds to tubulin heterodimers to promote microtubule assembly		1
11	Microtubule-dependent mechanism of anti-inflammatory effect of SOCS1 in endothelial dysfunction and lung injury. <i>FASEB Journal</i> , 2021 , 35, e21388	0.9	1
10	Striatal TRPV1 activation by acetaminophen ameliorates dopamine D2 receptor antagonist-induced orofacial dyskinesia. <i>JCI Insight</i> , 2021 , 6,	9.9	1
9	Dynamic subcellular localization and transcription activity of the SRF cofactor MKL2 in the striatum are regulated by MAPK. <i>Journal of Neurochemistry</i> , 2021 , 157, 1774-1788	6	1
8	The CD44/COL17A1 pathway promotes the formation of multilayered, transformed epithelia. <i>Current Biology</i> , 2021 , 31, 3086-3097.e7	6.3	1
7	2P021 Structural and functional studies of CLIP-170(Proteins-structure and structure-function relationship,Poster Presentations). <i>Seibutsu Butsurei</i> , 2007 , 47, S118	0	
6	Molecular Mechanism of KCNQ Channels For Reward Behavior. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020 , 93, 1-P-011	0	
5	Phosphorylation of Npas4 by MAPK regulates reward-related gene expression and behaviors. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020 , 93, 1-YIA-26	0	
4	Phosphorylation of Shank3 by Rho-Kinase regulates surface translocation of NMDA and AMPA receptors in PSD. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-85	0	
3	KANPHOS Platform: A comprehensive database for kinase-associated neural phosphorylation signaling. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-9-104	0	
2	RhoGEF12 controls cardiac remodeling by integrating G protein and integrin-dependent signaling cascades. <i>Journal of Cell Biology</i> , 2013 , 201, i1-i1	7.3	
1	NMDA-induced activation of the CaMKII-RhoA-Rho-kinase pathway regulates aversive learning. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2022 , 95, 1-P-027	0	