Shigeo Ohno

List of Publications by Year
in descending order

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268 papers	24,483 citations	5248 83 h-index	8370 147 g-index
271 all docs	271 docs citations	271 times ranked	19074 citing authors

#	Article	IF	Citations
1	The PAR-aPKC system: lessons in polarity. Journal of Cell Science, 2006, 119, 979-987.	1.2	632
2	Binding of a novel SMG-1-Upf1-eRF1-eRF3 complex (SURF) to the exon junction complex triggers Upf1 phosphorylation and nonsense-mediated mRNA decay. Genes and Development, 2006, 20, 355-367.	2.7	514
3	Protein Kinase C Î´ Activates the MEK-ERK Pathway in a Manner Independent of Ras and Dependent on Raf. Journal of Biological Chemistry, 1996, 271, 23512-23519.	1.6	511
4	An Atypical PKC Directly Associates and Colocalizes at the Epithelial Tight Junction with ASIP, a Mammalian Homologue of Caenorhabditis elegans Polarity Protein PAR-3. Journal of Cell Biology, 1998, 143, 95-106.	2.3	483
5	A metalloprotease-disintegrin, MDC9/meltrin-gamma /ADAM9 and PKCdelta are involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. EMBO Journal, 1998, 17, 7260-7272.	3.5	482
6	Tissue-specific expression of three distinct types of rabbit protein kinase C. Nature, 1987, 325, 161-166.	13.7	478
7	Junctional adhesion molecules (JAMs): more molecules with dual functions?. Journal of Cell Science, 2004, 117, 19-29.	1.2	443
8	Helicobacter pylori CagA targets PAR1/MARK kinase to disrupt epithelial cell polarity. Nature, 2007, 447, 330-333.	13.7	435
9	A novel phorbol ester receptor/protein kinase, nPKC, distantly related to the protein kinase C family. Cell, 1988, 53, 731-741.	13.5	427
10	Atypical Protein Kinase C Is Involved in the Evolutionarily Conserved Par Protein Complex and Plays a Critical Role in Establishing Epithelia-Specific Junctional Structures. Journal of Cell Biology, 2001, 152, 1183-1196.	2.3	402
11	Increased proliferation of B cells and auto-immunity in mice lacking protein kinase CÎ´. Nature, 2002, 416, 865-869.	13.7	400
12	Intercellular junctions and cellular polarity: the PARâ€“aPKC complex, a conserved core cassette playing fundamental roles in cell polarity. Current Opinion in Cell Biology, 2001, 13, 641-648.	2.6	397
13	Characterization of SMG-9, an essential component of the nonsense-mediated mRNA decay SMG1C complex. Nucleic Acids Research, 2011, 39, 347-358.	6.5	384
14	Evolutionary origin of a calcium-dependent protease by fusion of genes for a thiol protease and a calcium-binding protein?. Nature, 1984, 312, 566-570.	13.7	362
15	Requirement of Atypical Protein Kinase CÎ» for Insulin Stimulation of Glucose Uptake but Not for Akt Activation in 3T3-L1 Adipocytes. Molecular and Cellular Biology, 1998, 18, 6971-6982.	1.1	354
16	Polarity-Dependent Distribution of Angiomotin Localizes Hippo Signaling in Preimplantation Embryos. Current Biology, 2013, 23, 1181-1194.	1.8	352
17	Human SMG-1, a novel phosphatidylinositol 3-kinase-related protein kinase, associates with components of the mRNA surveillance complex and is involved in the regulation of nonsense-mediated mRNA decay. Genes and Development, 2001, 15, 2215-2228.	2.7	347
18	Mammalian Lgl Forms a Protein Complex with PAR-6 and aPKC Independently of PAR-3 to Regulate Epithelial Cell Polarity. Current Biology, 2003, 13, 734-743.	1.8	346

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19	The cell polarity protein ASIP/PAR-3 directly associates with junctional adhesion molecule (JAM). EMBO Journal, 2001, 20, 3738-3748.	3.5	337
20	PAR-6â€“PAR-3 mediates Cdc42-induced Rac activation through the Rac GEFs STEF/Tiam1. Nature Cell Biology, 2005, 7, 270-277.	4.6	335
21	Phosphorylation of hUPF1 Induces Formation of mRNA Surveillance Complexes Containing hSMG-5 and hSMG-7. Molecular Cell, 2003, 12, 1187-1200.	4.5	294
22	aPKC Acts Upstream of PAR-1b in Both the Establishment and Maintenance of Mammalian Epithelial Polarity. Current Biology, 2004, 14, 1425-1435.	1.8	280
23	Muscle Develops a Specific Form of Small Heat Shock Protein Complex Composed of MKBP/HSPB2 and HSPB3 during Myogenic Differentiation. Journal of Biological Chemistry, 2000, 275, 1095-1104.	1.6	271
24	Calcium-activated neutral protease and its endogenous inhibitor Activation at the cell membrane and biological function. FEBS Letters, 1987, 220, 271-277.	1.3	269
25	PAR-6 regulates aPKC activity in a novel way and mediates cell-cell contact-induced formation of the epithelial junctional complex. Genes To Cells, 2001, 6, 721-731.	0.5	266
26	The nucleotide sequence of human fibroblast interferon cDNA. Gene, 1980, 10, 11-15.	1.0	262
27	Molecular cloning of a novel mammalian calcium-dependent protease distinct from both m- and mu-types. Specific expression of the mRNA in skeletal muscle. Journal of Biological Chemistry, 1989, 264, 20106-11.	1.6	259
28	Role of the PAR-3â€“KIF3 complex in the establishment of neuronal polarity. Nature Cell Biology, 2004, 6, 328-334.	4.6	255
29	Tumor Necrosis Factor Signaling to Stress-activated Protein Kinase (SAPK)/Jun NH2-terminal Kinase (JNK) and p38. Journal of Biological Chemistry, 1998, 273, 22681-22692.	1.6	244
30	Delimitation and properties of DNA sequence: required for the regulated expression of human interferon-Î² gene. Cell, 1985, 41, 489-496.	13.5	236
31	Caveolin Interaction with Protein Kinase C. Journal of Biological Chemistry, 1997, 272, 33416-33421.	1.6	230
32	aPKC kinase activity is required for the asymmetric differentiation of the premature junctional complex during epithelial cell polarization. Journal of Cell Science, 2002, 115, 3565-3573.	1.2	228
33	Spatial regulation of VEGF receptor endocytosis in angiogenesis. Nature Cell Biology, 2013, 15, 249-260.	4.6	221
34	Tumor Promotion by Depleting Cells of Protein Kinase CÎ´. Molecular and Cellular Biology, 1997, 17, 3418-3428.	1.1	210
35	The Mixed Lineage Kinase SPRK Phosphorylates and Activates the Stress-activated Protein Kinase Activator, SEK-1. Journal of Biological Chemistry, 1996, 271, 19025-19028.	1.6	209
36	N- and C-terminal Upf1 phosphorylations create binding platforms for SMG-6 and SMG-5:SMG-7 during NMD. Nucleic Acids Research, 2012, 40, 1251-1266.	6.5	207

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37	SMG-8 and SMG-9, two novel subunits of the SMG-1 complex, regulate remodeling of the mRNA surveillance complex during nonsense-mediated mRNA decay. Genes and Development, 2009, 23, 1091-1105.	2.7	206
38	c-Jun N-Terminal Kinase (JNK)-Interacting Protein-1b/Islet-Brain-1 Scaffolds Alzheimer's Amyloid Precursor Protein with JNK. Journal of Neuroscience, 2001, 21, 6597-6607.	1.7	186
39	A Novel Integrin-Linked Kinaseâ€"Binding Protein, Affixin, Is Involved in the Early Stage of Cellâ€"Substrate Interaction. Journal of Cell Biology, 2001, 153, 1251-1264.	2.3	185
40	Platelet-derived growth factor activates protein kinase C epsilon through redundant and independent signaling pathways involving phospholipase C gamma or phosphatidylinositol 3-kinase.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 151-155.	3.3	174
41	MST/MLK2, a Member of the Mixed Lineage Kinase Family, Directly Phosphorylates and Activates SEK1, an Activator of c-Jun N-terminal Kinase/Stress-activated Protein Kinase. Journal of Biological Chemistry, 1997, 272, 15167-15173.	1.6	169
42	Regulated protein-protein interaction between aPKC and PAR-3 plays an essential role in the polarization of epithelial cells. Genes To Cells, 2002, 7, 1161-1171.	0.5	167
43	Prologue. Journal of Biochemistry, 2002, 132, 509-511.	0.9	165
44	The von Hippel-Lindau Tumor Suppressor Protein Mediates Ubiquitination of Activated Atypical Protein Kinase C. Journal of Biological Chemistry, 2001, 276, 43611-43617.	1.6	161
45	Protein Kinase C Î´ Inhibits the Proliferation of Vascular Smooth Muscle Cells by Suppressing G1 Cyclin Expression. Journal of Biological Chemistry, 1997, 272, 13816-13822.	1.6	160
46	Inactivation of aPKCÎ» results in the loss of adherens junctions in neuroepithelial cells without affecting neurogenesis in mouse neocortex. Development (Cambridge), 2006, 133, 1735-1744.	1.2	160
47	MEK Kinase Is Involved in Tumor Necrosis Factor Î±-Induced NF-ÎºB Activation and Degradation of IÎºB-Î±. Journal of Biological Chemistry, 1996, 271, 13234-13238.	1.6	159
48	Asymmetric distribution of PAR proteins in the mouse embryo begins at the 8-cell stage during compaction. Developmental Biology, 2005, 282, 307-319.	0.9	150
49	Interaction between PAR-3 and the aPKCâ€"PAR-6 complex is indispensable for apical domain development of epithelial cells. Journal of Cell Science, 2009, 122, 1595-1606.	1.2	146
50	PKCÎ» in liver mediates insulin-induced SREBP-1c expression and determines both hepatic lipid content and overall insulin sensitivity. Journal of Clinical Investigation, 2003, 112, 935-944.	3.9	146
51	Involvement of ASIP/PAR-3 in the promotion of epithelial tight junction formation. Journal of Cell Science, 2002, 115, 2485-2495.	1.2	146
52	Molecular cloning of the cDNA for the large subunit of the high-calcium-requiring form of human calcium-activated neutral protease. Biochemistry, 1988, 27, 8122-8128.	1.2	141
53	MKBP, a Novel Member of the Small Heat Shock Protein Family, Binds and Activates the Myotonic Dystrophy Protein Kinase. Journal of Cell Biology, 1998, 140, 1113-1124.	2.3	141
54	Transfection with Protein Kinase CÎ± Confers Increased Multidrug Resistance to MCF-7 Cells Expressing P-Glycoprotein. European Journal of Implant and Refractive Surgery, 1991, 3, 181-189.	0.4	140

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55	Rho-Kinase Phosphorylates PAR-3 and Disrupts PAR Complex Formation. Developmental Cell, 2008, 14, 205-215.	3.1	137
56	Complete amino acid sequence of the large subunit of the low-Ca2+ -requiring form of human Ca2+ -activated neutral protease (Î¼CANP) deduced from its cDNA sequence. FEBS Letters, 1986, 205, 313-317.	1.3	135
57	AAA+ Proteins RUVBL1 and RUVBL2 Coordinate PIKK Activity and Function in Nonsense-Mediated mRNA Decay. Science Signaling, 2010, 3, ra27.	1.6	133
58	Structure of a chromosomal gene for human interferon Â. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 5305-5309.	3.3	131
59	Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. Advances in Enzyme Regulation, 1991, 31, 287-303.	2.9	128
60	Human homologues of theCaenorhabditis eleganscell polarity protein PAR6 as an adaptor that links the small GTPases Rac and Cdc42 to atypical protein kinase C. Genes To Cells, 2001, 6, 107-119.	0.5	123
61	The c-Jun N-Terminal Kinase Activator Dual Leucine Zipper Kinase Regulates Axon Growth and Neuronal Migration in the Developing Cerebral Cortex. Journal of Neuroscience, 2006, 26, 11992-12002.	1.7	123
62	Self-association of PAR-3-mediated by the Conserved N-terminal Domain Contributes to the Development of Epithelial Tight Junctions. Journal of Biological Chemistry, 2003, 278, 31240-31250.	1.6	122
63	The Epithelial Circumferential Actin Belt Regulates YAP/TAZ through Nucleocytoplasmic Shuttling of Merlin. Cell Reports, 2017, 20, 1435-1447.	2.9	119
64	Involvement of ASIP/PAR-3 in the promotion of epithelial tight junction formation. Journal of Cell Science, 2002, 115, 2485-95.	1.2	118
65	Protein Kinase C lambda/iota (PKClambda/iota): A PKC Isotype Essential for the Development of Multicellular Organisms. Journal of Biochemistry, 2003, 133, 9-16.	0.9	114
66	An essential role of the aPKCâ€“Aurora Aâ€“NDEL1 pathway in neurite elongation by modulation of microtubule dynamics. Nature Cell Biology, 2009, 11, 1057-1068.	4.6	111
67	The Proteolytic Cleavage of Protein Kinase C Isotypes, Which Generates Kinase and Regulatory Fragments, Correlates with Fas-Mediated and 12-O-Tetradecanoyl-Phorbol-13-Acetate-Induced Apoptosis. FEBS Journal, 1997, 250, 7-18.	0.2	110
68	Lgl mediates apical domain disassembly by suppressing the PAR-3-aPKC-PAR-6 complex to orient apical membrane polarity. Journal of Cell Science, 2006, 119, 2107-2118.	1.2	108
69	Membrane-anchored metalloprotease MDC9 has an Î±-secretase activity responsible for processing the amyloid precursor protein. Biochemical Journal, 1999, 343, 371.	1.7	107
70	Tumor Type-Dependent Function of the Par3 Polarity Protein in Skin Tumorigenesis. Cancer Cell, 2012, 22, 389-403.	7.7	107
71	Structure and properties of a ubiquitously expressed protein kinase C, nPKCdelta. FEBS Journal, 1991, 202, 931-940.	0.2	103
72	Nucleotide sequence of chick 14K Î²-galactoside-binding lectin mRNA. Biochemical and Biophysical Research Communications, 1986, 134, 51-56.	1.0	101

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73	PAR3 is essential for cyst-mediated epicardial development by establishing apical cortical domains. Development (Cambridge), 2006, 133, 1389-1398.	1.2	101
74	Role of Lgl/Dlg/Scribble in the regulation of epithelial junction, polarity and growth. Frontiers in Bioscience - Landmark, 2008, Volume, 6693.	3.0	99
75	Interaction of the Small G Protein RhoA with the C Terminus of Human Phospholipase D1. Journal of Biological Chemistry, 1999, 274, 6035-6038.	1.6	98
76	Association of ASIP/mPAR-3 with adherens junctions of mouse neuroepithelial cells. Developmental Dynamics, 2002, 225, 61-69.	0.8	98
77	Loss of von Hippel-Lindau protein causes cell density dependent deregulation of CyclinD1 expression through Hypoxia-inducible factor. Oncogene, 2003, 22, 2728-2738.	2.6	97
78	Protein Kinase C Regulates Integrin-induced Activation of the Extracellular Regulated Kinase Pathway Upstream of Shc. Journal of Biological Chemistry, 1999, 274, 10571-10581.	1.6	96
79	Primary structures of human protein kinase C Î²I and Î²II differ only in their C-terminal sequences. FEBS Letters, 1987, 223, 138-142.	1.3	94
80	Calcium activated neutral protease. - Structure-function relationship and functional implications.. Cell Structure and Function, 1990, 15, 1-6.	0.5	91
81	The overexpression and altered localization of the atypical protein kinase C Î»/Î¹ in breast cancer correlates with the pathologic type of these tumors. Human Pathology, 2008, 39, 824-831.	1.1	90
82	PKCÎ» in liver mediates insulin-induced SREBP-1c expression and determines both hepatic lipid content and overall insulin sensitivity. Journal of Clinical Investigation, 2003, 112, 935-944.	3.9	89
83	Direct Interaction of the Î²-Domain of VHL Tumor Suppressor Protein with the Regulatory Domain of Atypical PKC Isotypes. Biochemical and Biophysical Research Communications, 1999, 263, 491-497.	1.0	86
84	Purification and characterization of protein kinase C .epsilon. from rabbit brain. Biochemistry, 1992, 31, 482-490.	1.2	84
85	Inhibition of nonsense-mediated mRNA decay rescues the phenotype in Ullrich's disease. Annals of Neurology, 2004, 55, 740-744.	2.8	84
86	A distinct PAR complex associates physically with VEâ€cadherin in vertebrate endothelial cells. EMBO Reports, 2006, 7, 1239-1246.	2.0	84
87	Oral Ingestion of Collagen Hydrolysate Leads to the Transportation of Highly Concentrated Gly-Pro-Hyp and Its Hydrolyzed Form of Pro-Hyp into the Bloodstream and Skin. Journal of Agricultural and Food Chemistry, 2017, 65, 2315-2322.	2.4	84
88	A fourth type of rabbit protein kinase C. Biochemistry, 1988, 27, 2083-2087.	1.2	83
89	Specific inhibition of nonsense-mediated mRNA decay components, SMG-1 or Upf1, rescues the phenotype of ullrich disease fibroblasts. Molecular Therapy, 2006, 14, 351-360.	3.7	83
90	Enzymatic Properties of a Novel Phorbol Ester Receptor/Protein Kinase, nPKC1. Journal of Biochemistry, 1989, 106, 673-678.	0.9	80

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91	Inducer-responsive expression of the cloned human interferonÎ²1gene introduced into cultured mouse cells. Nucleic Acids Research, 1982, 10, 967-977.	6.5	79
92	Overexpression of a Î²-galactoside binding protein causes transformation of BALB3T3 fibroblast cells. Biochemical and Biophysical Research Communications, 1991, 179, 272-279.	1.0	79
93	A Protein Kinase CÎ´-binding Protein SRBC Whose Expression Is Induced by Serum Starvation. Journal of Biological Chemistry, 1997, 272, 7381-7389.	1.6	77
94	Primary Structure of a Î³ Subunit of G Protein, Î³12, and Its Phosphorylation by Protein Kinase C. Journal of Biological Chemistry, 1995, 270, 29469-29475.	1.6	76
95	Presenilin 1 Suppresses the Function of C-Jun Homodimers via Interaction with Qm/Jif-1. Journal of Cell Biology, 1999, 147, 121-134.	2.3	75
96	Structures of SMG1-UPFs Complexes: SMG1 Contributes to Regulate UPF2-Dependent Activation of UPF1 in NMD. Structure, 2014, 22, 1105-1119.	1.6	74
97	Differential targeting of protein kinase C and CaM kinase II signalings to vimentin.. Journal of Cell Biology, 1995, 131, 1055-1066.	2.3	73
98	Atypical protein kinase CÎ» binds and regulates p70 S6 kinase. Biochemical Journal, 1998, 335, 417-424.	1.7	73
99	The nonsense-mediated mRNA decay SMG-1 kinase is regulated by large-scale conformational changes controlled by SMG-8. Genes and Development, 2011, 25, 153-164.	2.7	72
100	MAPK-upstream protein kinase (MUK) regulates the radial migration of immature neurons in telencephalon of mouse embryo. Development (Cambridge), 2002, 129, 4483-4495.	1.2	72
101	Affixin interacts with Î±-actinin and mediates integrin signaling for reorganization of F-actin induced by initial cellâ€“substrate interaction. Journal of Cell Biology, 2004, 165, 539-551.	2.3	71
102	aPKCÎ»/Î¹ promotes growth of prostate cancer cells in an autocrine manner through transcriptional activation of interleukin-6. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16369-16374.	3.3	71
103	KIBRA Suppresses Apical Exocytosis through Inhibition of aPKC Kinase Activity in Epithelial Cells. Current Biology, 2011, 21, 705-711.	1.8	71
104	Possible role of Ca2+-independent protein kinase C isozyme, nPKCÉ›, in thyrotropin- releasing hormone-stimulated signal transduction: Differential down-regulation of nPKCÉ› in GH4C1 cells. Biochemical and Biophysical Research Communications, 1990, 172, 184-189.	1.0	69
105	UCN-01, an anti-tumor drug, is a selective inhibitor of the conventional PKC subfamily. FEBS Letters, 1995, 359, 259-261.	1.3	69
106	The role of SMG-1 in nonsense-mediated mRNA decay. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 305-315.	1.1	69
107	ASPP2 Regulates Epithelial Cell Polarity through the PAR Complex. Current Biology, 2010, 20, 1408-1414.	1.8	68
108	Conventional protein kinase C (PKC)-Î± and novel PKCÎµ, but not -Î´, increase the secretion of an N-terminal fragment of Alzheimer's disease amyloid precursor protein from PKC cDNA transfected 3Y1 fibroblasts. FEBS Letters, 1995, 364, 203-206.	1.3	67

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109	Axon Formation in Neocortical Neurons Depends on Stage-Specific Regulation of Microtubule Stability by the Dual Leucine Zipper Kinaseâ€“c-Jun N-Terminal Kinase Pathway. Journal of Neuroscience, 2011, 31, 6468-6480.	1.7	67
110	Cell type-specific expression of the genes for the protein kinase C family: Down regulation of mRNAs for PKCÎ± and nPKCÎµ upon in vitro differentiation of a mouse neuroblastoma cell line Neuro 2a. Biochemical and Biophysical Research Communications, 1989, 165, 533-538.	1.0	64
111	Differentiation-Associated Localization of nPKCÎ¼, a Ca++-Independent Protein Kinase C, in Normal Human Skin and Skin Diseases. Journal of Investigative Dermatology, 1993, 101, 858-863.	0.3	63
112	Protein Kinase CÎ± Plays a Critical Role in Mannosylerythritol Lipid-induced Differentiation of Melanoma B16 Cells. Journal of Biological Chemistry, 2001, 276, 39903-39910.	1.6	62
113	Behavior of tight-junction, adherens-junction and cell polarity proteins during HNF-4Î±-induced epithelial polarization. Experimental Cell Research, 2005, 310, 66-78.	1.2	62
114	An Essential Role of the Universal Polarity Protein, aPKCÎ», on the Maintenance of Podocyte Slit Diaphragms. PLoS ONE, 2009, 4, e4194.	1.1	62
115	Solution Structure of Cysteine-Rich Domain of Protein Kinase CÎ±1. Journal of Biochemistry, 1995, 117, 566-574.	0.9	61
116	Gene structure of calcium-dependent protease retains the ancestral organization of the calcium-binding protein gene. FEBS Letters, 1986, 194, 249-252.	1.3	58
117	Function of Atypical Protein Kinase C Â in Differentiating Photoreceptors Is Required for Proper Lamination of Mouse Retina. Journal of Neuroscience, 2005, 25, 10290-10298.	1.7	58
118	PKCÎ» regulates glucose-induced insulin secretion through modulation of gene expression in pancreatic Î² cells. Journal of Clinical Investigation, 2005, 115, 138-145.	3.9	57
119	Purification and Characterization of Active Component and Active Fragment of Colicin E3. Journal of Biochemistry, 1977, 82, 1045-1053.	0.9	56
120	The Î· Isoform of Protein Kinase C Mediates Transcriptional Activation of the Human Transglutaminase 1 Gene. Journal of Biological Chemistry, 1996, 271, 9790-9794.	1.6	56
121	Four genes for the calpain family locate on four distinct human chromosomes. Cytogenetic and Genome Research, 1990, 53, 225-229.	0.6	55
122	Molecular cloning and sequencing of cDNA for rat cathepsin H Homology in pro-peptide regions of cysteine proteinases. FEBS Letters, 1987, 226, 33-37.	1.3	53
123	High Expression of Atypical Protein Kinase C Î»/Î¹ in Gastric Cancer as a Prognostic Factor for Recurrence. Annals of Surgical Oncology, 2010, 17, 81-88.	0.7	52
124	A New Protein Kinase C, nPKCÎ·â€², and nPCKÎ¸ Are Expressed in Human Platelets: Involvement of nPKCÎ·â€² and nPKCÎ¸ in Signal Transduction Stimulated by PAF. Biochemical and Biophysical Research Communications, 1993, 191, 240-246.	1.0	51
125	Interaction of Nck-associated protein 1 with activated GTP-binding protein Rac. Biochemical Journal, 1997, 322, 873-878.	1.7	51
126	The 8th and 9th tandem spectrin-like repeats of utrophin cooperatively form a functional unit to interact with polarity-regulating kinase PAR-1b. Biochemical and Biophysical Research Communications, 2010, 391, 812-817.	1.0	50

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127	MAPK-upstream protein kinase (MUK) regulates the radial migration of immature neurons in telencephalon of mouse embryo. Development (Cambridge), 2002, 129, 4483-95.	1.2	49
128	The Inhibition of Differentiation Caused by TGFÎ² in Fetal Myoblasts Is Dependent upon Selective Expression of PKCÎ¸: A Possible Molecular Basis for Myoblast Diversification during Limb Histogenesis. Developmental Biology, 1996, 180, 156-164.	0.9	48
129	The first CH domain of affixin activates Cdc42 and Rac1 through Î±PIX, a Cdc42/Rac1-specific guanine nucleotide exchanging factor. Genes To Cells, 2004, 9, 193-204.	0.5	48
130	Expression of MUK/DLK/ZPK, an activator of the JNK pathway, in the nervous systems of the developing mouse embryo. Gene Expression Patterns, 2005, 5, 517-523.	0.3	47
131	The 5' -flanking sequence of human interferon-Î²1, gene is responsible for viral induction of transcription. Nucleic Acids Research, 1983, 11, 5403-5412.	6.5	46
132	MAPK Upstream Kinase (MUK)-binding Inhibitory Protein, a Negative Regulator of MUK/Dual Leucine Zipper-bearing Kinase/Leucine Zipper Protein Kinase. Journal of Biological Chemistry, 2000, 275, 21247-21254.	1.6	46
133	Tumor suppressor protein VHL is induced at high cell density and mediates contact inhibition of cell growth. Oncogene, 2001, 20, 2727-2736.	2.6	46
134	Staurosporine-related compounds, K252a and UCN-01, inhibit both cPKC and nPKC. FEBS Letters, 1993, 330, 114-116.	1.3	44
135	Hyperosmolality induces activation of cPKC and nPKC, a requirement for ERK1/2 activation in NIH/3T3 cells. American Journal of Physiology - Cell Physiology, 2000, 278, C102-C109.	2.1	44
136	Polarity-Regulating Kinase Partitioning-Defective 1/Microtubule Affinity-Regulating Kinase 2 Negatively Regulates Development of Dendrites on Hippocampal Neurons. Journal of Neuroscience, 2007, 27, 13098-13107.	1.7	44
137	A Novel Role for hSMG-1 in Stress Granule Formation. Molecular and Cellular Biology, 2011, 31, 4417-4429.	1.1	44
138	Integrated regulation of PIKK-mediated stress responses by AAA+ proteins RUVBL1 and RUVBL2. Nucleus, 2012, 3, 29-43.	0.6	44
139	Heat shock protein 90 regulates phosphatidylinositol 3â€kinaseâ€related protein kinase family proteins together with the RUVBL1/2 and Tel2â€containing coâ€factor complex. Cancer Science, 2012, 103, 50-57.	1.7	44
140	Unique expression pattern of protein kinase C-Î¸: high mRNA levels in normal mouse testes and in T-lymphocytic cells and neoplasms. FEBS Letters, 1993, 326, 51-55.	1.3	43
141	Differential Activation of Two JNK Activators, MKK7 and SEK1, by MKN28-derived Nonreceptor Serine/Threonine Kinase/Mixed Lineage Kinase 2. Journal of Biological Chemistry, 1998, 273, 7406-7412.	1.6	43
142	Early and Late Postmenopausal Bone Loss is Associated with BsmI Vitamin D Receptor Gene Polymorphism in Japanese Women. Calcified Tissue International, 1999, 64, 102-106.	1.5	43
143	Translocation of HSP27 and MKBP in Ischemic Heart.. Cell Structure and Function, 1999, 24, 181-185.	0.5	43
144	Direct Binding of Lgl2 to LGN during Mitosis and Its Requirement for Normal Cell Division. Journal of Biological Chemistry, 2005, 280, 6761-6765.	1.6	42

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145	The 14-3-3 protein binds its target proteins with a common site located towards the C-terminus. FEBS Letters, 1997, 413, 273-276.	1.3	40
146	Cloning and characterization of the T-box gene Tbx6 in Xenopus laevis. Development Growth and Differentiation, 2001, 43, 657-669.	0.6	40
147	Differential Induction of Protein Kinase C Isoforms at the Cardiac Hypertrophy Stage and Congestive Heart Failure Stage in Dahl Salt-Sensitive Rats. Hypertension Research, 2003, 26, 421-426.	1.5	40
148	Regulation of expression and activity of four PKC isozymes in confluent and mechanically stimulated UMR-108 osteoblastic cells. Journal of Cellular Physiology, 2001, 189, 216-228.	2.0	39
149	A cell polarity protein aPKCÎ» is required for eye lens formation and growth. Developmental Biology, 2009, 336, 246-256.	0.9	39
150	A carboxy-terminal deletion mutant of protein kinase C beta II inhibits insulin-stimulated 2-deoxyglucose uptake in L6 rat skeletal muscle cells. Molecular Endocrinology, 1996, 10, 1273-1281.	3.7	39
151	A Protein Kinase C Isozyme, NPKC-Ïµ, Is Involved in the Activation of NF-Î°-B by 12-O-Tetradecanoylphorbol-13-Acetate (TPA) in Rat 3Y1 Fibroblasts. Biochemical and Biophysical Research Communications, 1995, 206, 429-436.	1.0	38
152	Distant N- and C-terminal Domains Are Required for Intrinsic Kinase Activity of SMG-1, a Critical Component of Nonsense-mediated mRNA Decay*. Journal of Biological Chemistry, 2007, 282, 7799-7808.	1.6	38
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