Kensaku Mizuno

List of Publications by Year
in descending order

155 papers	14,770 citations	17440 63 h-index	19190 118 g-index
156 all docs	156 docs citations	156 times ranked	13364 citing authors

#	Article	IF	Citations
1	Signaling from Rho to the Actin Cytoskeleton Through Protein Kinases ROCK and LIM-kinase. Science, 1999, 285, 895-898.	12.6	1,403
2	Cofilin phosphorylation by LIM-kinase 1 and its role in Rac-mediated actin reorganization. Nature, 1998, 393, 809-812.	27.8	1,183
3	Hippocampal LTP Is Accompanied by Enhanced F-Actin Content within the Dendritic Spine that Is Essential for Late LTP Maintenance In Vivo. Neuron, 2003, 38, 447-460.	8.1	621
4	Control of Actin Reorganization by Slingshot, a Family of Phosphatases that Dephosphorylate ADF/Cofilin. Cell, 2002, 108, 233-246.	28.9	601
5	Rho-associated Kinase ROCK Activates LIM-kinase 1 by Phosphorylation at Threonine 508 within the Activation Loop. Journal of Biological Chemistry, 2000, 275, 3577-3582.	3.4	442
6	Identification of the Product of Growth Arrest-specific Gene 6 as a Common Ligand for Axl, Sky, and Mer Receptor Tyrosine Kinases. Journal of Biological Chemistry, 1996, 271, 30022-30027.	3.4	439
7	Signaling mechanisms and functional roles of cofilin phosphorylation and dephosphorylation. Cellular Signalling, 2013, 25, 457-469.	3.6	319
8	Phosphorylation of cofilin by LIM-kinase is necessary for semaphorin 3A-induced growth cone collapse. Nature Neuroscience, 2001, 4, 367-373.	14.8	318
9	A Critical Role for a Rho-Associated Kinase, p160ROCK, in Determining Axon Outgrowth in Mammalian CNS Neurons. Neuron, 2000, 26, 431-441.	8.1	284
10	Yeast KEX2 gene encodes an endopeptidase homologous to subtilisin-like serine proteases. Biochemical and Biophysical Research Communications, 1988, 156, 246-254.	2.1	260
11	Cofilin Phosphorylation by Protein Kinase Testicular Protein Kinase 1 and Its Role in Integrin-mediated Actin Reorganization and Focal Adhesion Formation. Molecular Biology of the Cell, 2001, 12, 1131-1145.	2.1	240
12	Protein-Protein Interaction of Zinc Finger LIM Domains with Protein Kinase C. Journal of Biological Chemistry, 1996, 271, 31029-31032.	3.4	233
13	Protein kinase D1 regulates cofilin-mediated F-actin reorganization and cell motility through slingshot. Nature Cell Biology, 2009, 11, 545-556.	10.3	231
14	Cell Adhesion to Phosphatidylserine Mediated by a Product of Growth Arrest-specific Gene 6. Journal of Biological Chemistry, 1997, 272, 29411-29414.	3.4	219
15	Control of Growth Cone Motility and Morphology by LIM Kinase and Slingshot via Phosphorylation and Dephosphorylation of Cofilin. Journal of Neuroscience, 2003, 23, 2527-2537.	3.6	207
16	Calcium Signal-induced Cofilin Dephosphorylation Is Mediated by Slingshot via Calcineurin. Journal of Biological Chemistry, 2005, 280, 12683-12689.	3.4	199
17	Spatial and temporal regulation of cofilin activity by LIM kinase and Slingshot is critical for directional cell migration. Journal of Cell Biology, 2005, 171, 349-359.	5.2	190
18	Global phosphorylation analysis of Î²-arrestinâ€“mediated signaling downstream of a seven transmembrane receptor (7TMR). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15299-15304.	7.1	182

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19	Identification and Characterization of a Novel Family of Serine/Threonine Kinases Containing Two N-terminal LIM Motifs. Journal of Biological Chemistry, 1995, 270, 31321-31330.	3.4	175
20	A pathway of neuregulin-induced activation of cofilin-phosphatase Slingshot and cofilin in lamellipodia. Journal of Cell Biology, 2004, 165, 465-471.	5.2	175
21	Cofilin promotes stimulus-induced lamellipodium formation by generating an abundant supply of actin monomers. Journal of Cell Biology, 2007, 177, 465-476.	5.2	155
22	MAPKAPK-2-mediated LIM-kinase activation is critical for VEGF-induced actin remodeling and cell migration. EMBO Journal, 2006, 25, 713-726.	7.8	151
23	LIM-kinase 2 induces formation of stress fibres, focal adhesions and membrane blebs, dependent on its activation by Rho-associated kinase-catalysed phosphorylation at threonine-505. Biochemical Journal, 2001, 354, 149-159.	3.7	139
24	Roles of the cytoskeleton, cell adhesion and rho signalling in mechanosensing and mechanotransduction. Journal of Biochemistry, 2017, 161, mvw082.	1.7	136
25	A new family of endogenous â€œbigâ€•met-enkephalins from bovine adrenal medulla: purification and structure of docosa- (BAM-22P) and eicosapeptide (BAM-20P) with very potent opiate activity. Biochemical and Biophysical Research Communications, 1980, 97, 1283-1290.	2.1	132
26	Stromal Cell-Derived Factor 1Î± Activates LIM Kinase 1 and Induces Cofilin Phosphorylation for T-Cell Chemotaxis. Molecular and Cellular Biology, 2002, 22, 774-783.	2.3	125
27	Cancer susceptibility and embryonic lethality in Mob1a/1b double-mutant mice. Journal of Clinical Investigation, 2012, 122, 4505-4518.	8.2	125
28	Characterization of KEX2-encoded endopeptidase from yeast Saccharomyces, cerevisiae. Biochemical and Biophysical Research Communications, 1989, 159, 305-311.	2.1	122
29	Cofilin Phosphorylation and Actin Reorganization Activities of Testicular Protein Kinase 2 and Its Predominant Expression in Testicular Sertoli Cells. Journal of Biological Chemistry, 2001, 276, 31449-31458.	3.4	121
30	LIM Kinase and Slingshot Are Critical for Neurite Extension. Journal of Biological Chemistry, 2007, 282, 13692-13702.	3.4	113
31	LIM-kinase 2 induces formation of stress fibres, focal adhesions and membrane blebs, dependent on its activation by Rho-associated kinase-catalysed phosphorylation at threonine-505. Biochemical Journal, 2001, 354, 149.	3.7	107
32	Differential activities, subcellular distribution and tissue expression patterns of three members of Slingshot family phosphatases that dephosphorylate cofilin. Genes To Cells, 2003, 8, 811-824.	1.2	101
33	Phosphoinositide 3-Kinase-mediated Activation of Cofilin Phosphatase Slingshot and Its Role for Insulin-induced Membrane Protrusion. Journal of Biological Chemistry, 2004, 279, 7193-7198.	3.4	101
34	Gas6 Regulates Mesangial Cell Proliferation through Axl in Experimental Glomerulonephritis. American Journal of Pathology, 2001, 158, 1423-1432.	3.8	100
35	Actin-depolymerizing Factor Cofilin-1 Is Necessary in Maintaining Mature Podocyte Architecture. Journal of Biological Chemistry, 2010, 285, 22676-22688.	3.4	97
36	MST2- and Furry-Mediated Activation of NDR1 Kinase Is Critical for Precise Alignment of Mitotic Chromosomes. Current Biology, 2009, 19, 675-681.	3.9	96

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37	Stimulation of Sky Receptor Tyrosine Kinase by the Product of Growth Arrest-specific Gene 6. Journal of Biological Chemistry, 1995, 270, 22681-22684.	3.4	95
38	Cofilin-Mediated F-Actin Severing Is Regulated by the Rap GTPase and Controls the Cytoskeletal Dynamics That Drive Lymphocyte Spreading and BCR Microcluster Formation. Journal of Immunology, 2011, 187, 5887-5900.	0.8	95
39	Novel C-terminally amidated opioid peptide in human phaeochromocytoma tumour. Nature, 1983, 305, 721-723.	27.8	92
40	Mitosis-specific Activation of LIM Motif-containing Protein Kinase and Roles of Cofilin Phosphorylation and Dephosphorylation in Mitosis. Journal of Biological Chemistry, 2002, 277, 22093-22102.	3.4	92
41	Cell Cycle-associated Changes in Slingshot Phosphatase Activity and Roles in Cytokinesis in Animal Cells. Journal of Biological Chemistry, 2003, 278, 33450-33455.	3.4	92
42	A new endogenous opioid peptide from bovine adrenal medulla: Isolation and amino acid sequence of a dodecapeptide (BAM-12P). Biochemical and Biophysical Research Communications, 1980, 95, 1482-1488.	2.1	91
43	Direct stimulation of receptor-controlled phospholipase D1 by phospho-cofilin. EMBO Journal, 2007, 26, 4189-4202.	7.8	91
44	Cloning and characterization of a novel mouse immunoglobulin superfamily gene expressed in early spermatogenic cells. Molecular Reproduction and Development, 2001, 60, 158-164.	2.0	90
45	F- and G-actin homeostasis regulates mechanosensitive actin nucleation by formins. Nature Cell Biology, 2013, 15, 395-405.	10.3	90
46	A novel protease from yeast with specificity towards paired basic residues. Nature, 1984, 309, 558-560.	27.8	88
47	Gas6 Induces Mesangial Cell Proliferation via Latent Transcription Factor STAT3. Journal of Biological Chemistry, 2001, 276, 42364-42369.	3.4	87
48	Alteration of phosphatidylinositol 3-kinase cascade in the multilobulated nuclear formation of adult T cell leukemia/lymphoma (ATLL). Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15213-15218.	7.1	86
49	Rho-guanine nucleotide exchange factors involved in cyclic stretch-induced reorientation of vascular endothelial cells. Journal of Cell Science, 2015, 128, 1683-95.	2.0	86
50	NDR2-mediated Rabin8 phosphorylation is crucial for ciliogenesis by switching binding specificity from phosphatidylserine to Sec15. EMBO Journal, 2013, 32, 874-885.	7.8	83
51	The Slingshot Family of Phosphatases Mediates Rac1 Regulation of Cofilin Phosphorylation, Laminin-332 Organization, and Motility Behavior of Keratinocytes. Journal of Biological Chemistry, 2007, 282, 32520-32528.	3.4	81
52	Measurements of spatiotemporal changes in G-actin concentration reveal its effect on stimulus-induced actin assembly and lamellipodium extension. Journal of Cell Biology, 2011, 193, 365-380.	5.2	81
53	Peptide C-terminal Î±-amidating enzyme purified to homogeneity from Xenopuslaevis skin. Biochemical and Biophysical Research Communications, 1986, 137, 984-991.	2.1	80
54	Cloning and sequence of cDNA encoding a peptide C-terminal Î±-amidating enzyme from Xenopuslaevis. Biochemical and Biophysical Research Communications, 1987, 148, 546-552.	2.1	79

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55	LIM Kinase-mediated Cofilin Phosphorylation during Mitosis Is Required for Precise Spindle Positioning. Journal of Biological Chemistry, 2008, 283, 4983-4992.	3.4	78
56	Tissue Distribution of Hepatocyte Growth Factor Receptor and Its Exclusive Down-Regulation in a Regenerating Organ after Injury1. Journal of Biochemistry, 1992, 111, 401-406.	1.7	77
57	Human sprouty 4, a new ras antagonist on 5q31, interacts with the dual specificity kinase TESK1. FEBS Journal, 2002, 269, 2546-2556.	0.2	76
58	Identification and Characterization of a Novel Protein Kinase, TESK1, Specifically Expressed in Testicular Germ Cells. Journal of Biological Chemistry, 1995, 270, 31331-31337.	3.4	71
59	Cloning of cDNA encoding a new peptide C-terminal Î±-amidating enzyme having a putative membrane-spanning domain from Xenopuslaevis skin. Biochemical and Biophysical Research Communications, 1988, 150, 1275-1281.	2.1	70
60	Morphological changes during dendritic cell maturation correlate with cofilin activation and translocation to the cell membrane. European Journal of Immunology, 2004, 34, 156-164.	2.9	70
61	Cytochalasin D acts as an inhibitor of the actinâ€“cofilin interaction. Biochemical and Biophysical Research Communications, 2012, 424, 52-57.	2.1	70
62	Actin Migration Driven by Directional Assembly and Disassembly of Membrane-Anchored Actin Filaments. Cell Reports, 2015, 12, 648-660.	6.4	68
63	Requirement of Gamma-Carboxyglutamic Acid Modification and Phosphatidylserine Binding for the Activation of Tyro3, Axl, and Mertk Receptors by Growth Arrest-Specific 6. Frontiers in Immunology, 2017, 8, 1521.	4.8	67
64	Protein Kinase D Regulates Cofilin Activity through p21-activated Kinase 4. Journal of Biological Chemistry, 2011, 286, 34254-34261.	3.4	66
65	Tissue distribution and characterization of peptide C-terminal Î±-amidating activity in rat. Biochemical and Biophysical Research Communications, 1986, 140, 230-236.	2.1	64
66	Binding to Cep164, but not <scp>EB</scp>1, is essential for centriolar localization of <scp>TTBK</scp>2 and its function in ciliogenesis. Genes To Cells, 2014, 19, 927-940.	1.2	63
67	Mechanism of Inhibitory Effect of Warfarin on Mesangial Cell Proliferation. Journal of the American Society of Nephrology: JASN, 1999, 10, 2503-2509.	6.1	63
68	Expression of c-metproto-oncogene in COS cells induces the signal transducing high-affinity receptor for hepatocyte growth factor. FEBS Letters, 1992, 301, 282-286.	2.8	62
69	Dual Regulation of Cofilin Activity by LIM Kinase and Slingshot-1L Phosphatase Controls Platelet-Derived Growth Factorâ€“Induced Migration of Human Aortic Smooth Muscle Cells. Circulation Research, 2008, 102, 432-438.	4.5	61
70	Ca2+/Calmodulin-dependent Protein Kinase IV-mediated LIM Kinase Activation Is Critical for Calcium Signal-induced Neurite Outgrowth. Journal of Biological Chemistry, 2009, 284, 28554-28562.	3.4	61
71	A membrane-bound, calcium-dependent protease in yeast Î±-cell cleaving on the carboxyl side of paired basic residues. Biochemical and Biophysical Research Communications, 1987, 144, 807-814.	2.1	59
72	Comparison of tissue distribution of two novel serine/threonine kinase genes containing the LIM motif (LIMK-1 and LIMK-2) in the developing rat. Molecular Brain Research, 1997, 45, 247-254.	2.3	59

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73	Proteolytic activation of a single-chain precursor of hepatocyte growth factor by extracellular serine-protease. Biochemical and Biophysical Research Communications, 1992, 189, 1631-1638.	2.1	58
74	Roles of Î³-carboxylation and a sex hormone-binding globulin-like domain in receptor-binding and in biological activities of Gas6. FEBS Letters, 1997, 408, 306-310.	2.8	57
75	A putative prohormone processing protease in bovine adrenal medulla specifically cleaving in between Lys-Arg sequences. Biochemical and Biophysical Research Communications, 1985, 128, 884-891.	2.1	56
76	Caspase-mediated cleavage and activation of LIM-kinase 1 and its role in apoptotic membrane blebbing. Genes To Cells, 2004, 9, 591-600.	1.2	55
77	Furry promotes acetylation of microtubules in the mitotic spindle by inhibition of SIRT2 tubulin deacetylase. Journal of Cell Science, 2013, 126, 4369-4380.	2.0	54
78	CAMP (C13orf8, ZNF828) is a novel regulator of kinetochore-microtubule attachment. EMBO Journal, 2011, 30, 130-144.	7.8	53
79	A unique proenkephalin-converting enzyme purified from bovine adrenal chromaffin granules. Biochemical and Biophysical Research Communications, 1982, 108, 1235-1242.	2.1	52
80	A Drosophila Homolog of LIM-Kinase Phosphorylates Cofilin and Induces Actin Cytoskeletal Reorganization. Biochemical and Biophysical Research Communications, 2000, 276, 1178-1185.	2.1	52
81	Suppression of the Invasive Capacity of Rat Ascites Hepatoma Cells by Knockdown of Slingshot or LIM Kinase. Journal of Biological Chemistry, 2008, 283, 6013-6021.	3.4	51
82	Visualization of cofilin-actin and Ras-Raf interactions by bimolecular fluorescence complementation assays using a new pair of split Venus fragments. BioTechniques, 2012, 52, 45-50.	1.8	51
83	Critical roles of actin-interacting protein 1 in cytokinesis and chemotactic migration of mammalian cells. Biochemical Journal, 2008, 414, 261-270.	3.7	50
84	Molecular Dissection of the Mechanisms of Substrate Recognition and F-actin-mediated Activation of Cofilin-phosphatase Slingshot-1. Journal of Biological Chemistry, 2008, 283, 32542-32552.	3.4	46
85	The N-terminal LIM domain negatively regulates the kinase activity ofLIM-kinase 1. Biochemical Journal, 1999, 343, 99-105.	3.7	45
86	Cell Adhesion-dependent Cofilin Serine 3 Phosphorylation by the Integrin-linked KinaseÂ·c-Src Complex. Journal of Biological Chemistry, 2008, 283, 10089-10096.	3.4	45
87	Mouse LIM-Kinase 2 Gene: cDNA Cloning, Genomic Organization, and Tissue-Specific Expression of Two Alternatively Initiated Transcripts. Genomics, 1997, 46, 504-508.	2.9	43
88	Molecular Cloning of a Chicken Lung cDNA Encoding a Novel Protein Kinase with N-Terminal Two LIM/Double Zinc Finger Motifs1. Journal of Biochemistry, 1994, 116, 636-642.	1.7	42
89	Binding of 14-3-3Î² Regulates the Kinase Activity and Subcellular Localization of Testicular Protein Kinase 1. Journal of Biological Chemistry, 2001, 276, 43471-43481.	3.4	42
90	Synaptic Scaffolding Molecule Î± Is a Scaffold To Mediate N -Methyl- d -Aspartate Receptor-Dependent RhoA Activation in Dendrites. Molecular and Cellular Biology, 2007, 27, 4388-4405.	2.3	42

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91	Interplay between Solo and keratin filaments is crucial for mechanical forceâ€“induced stress fiber reinforcement. Molecular Biology of the Cell, 2016, 27, 954-966.	2.1	42
92	Cytoplasmic Localization of LIM-Kinase 1 Is Directed by a Short Sequence within the PDZ Domain. Experimental Cell Research, 1998, 241, 242-252.	2.6	40
93	Self-association of LIM-kinase 1 mediated by the interaction between an N-terminal LIM domain and a C-terminal kinase domain. FEBS Letters, 1996, 399, 117-121.	2.8	38
94	Involvement of p114-RhoGEF and Lfc in Wnt-3aâ€“ and Dishevelled-Induced RhoA Activation and Neurite Retraction in N1E-115 Mouse Neuroblastoma Cells. Molecular Biology of the Cell, 2010, 21, 3590-3600.	2.1	38
95	LIM Kinase 1 Modulates Opsonized Zymosan-triggered Activation of Macrophage-like U937 Cells. Journal of Biological Chemistry, 2002, 277, 544-549.	3.4	36
96	Sprouty-4 negatively regulates cell spreading by inhibiting the kinase activity of testicular protein kinase. Biochemical Journal, 2005, 387, 627-637.	3.7	36
97	Damnacanthal, an effective inhibitor of LIM-kinase, inhibits cell migration and invasion. Molecular Biology of the Cell, 2014, 25, 828-840.	2.1	36
98	Stage-Specific Expression of Testis-Specific Protein Kinase 1 (TESK1) in Rat Spermatogenic Cells. Biochemical and Biophysical Research Communications, 1998, 249, 107-112.	2.1	35
99	Cell Density-Dependent Regulation of Hepatocyte Growth Factor Receptor on Adult Rat Hepatocytes in Primary Culture1. Journal of Biochemistry, 1993, 114, 96-102.	1.7	34
100	AILIM/ICOS signaling induces T-cell migration/polarization of memory/effector T-cells. International Immunology, 2004, 16, 1515-1522.	4.0	32
101	Furry Protein Promotes Aurora A-mediated Polo-like Kinase 1 Activation. Journal of Biological Chemistry, 2012, 287, 27670-27681.	3.4	31
102	Ca<scp>MKII</scp>Î²â€mediated <scp>LIM</scp>â€kinase activation plays a crucial role in <scp>BDNF</scp>â€induced neuritogenesis. Genes To Cells, 2013, 18, 533-543.	1.2	31
103	Actin filaments-stabilizing and -bundling activities of cofilin-phosphatase Slingshot-1. Genes To Cells, 2007, 12, 663-676.	1.2	30
104	Tesk1 Interacts with Spry2 to Abrogate Its Inhibition of ERK Phosphorylation Downstream of Receptor Tyrosine Kinase Signaling. Journal of Biological Chemistry, 2008, 283, 1679-1691.	3.4	30
105	Identification of multiple actin-binding sites in cofilin-phosphatase Slingshot-1L. FEBS Letters, 2006, 580, 1789-1794.	2.8	29
106	Radioimmunoassay for detecting pro-Leu-enkephalins in tissue extracts: Purification and identification of [Arg6]-Leu-enkephalin in porcine pituitary. Biochemical and Biophysical Research Communications, 1980, 95, 1467-1474.	2.1	27
107	Regional distribution of adrenorphin in rat brain: Comparative study with PH-8P. Biochemical and Biophysical Research Communications, 1984, 120, 1030-1036.	2.1	27
108	Dual Specificity Protein Kinase Activity of Testis-specific Protein Kinase 1 and Its Regulation by Autophosphorylation of Serine-215 within the Activation Loop. Journal of Biological Chemistry, 1999, 274, 12171-12176.	3.4	27

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109	LIM-kinase is critical for the mesenchymal-to-amoeboid cell morphological transition in 3D matrices. Biochemical and Biophysical Research Communications, 2010, 392, 577-581.	2.1	25
110	LIM Kinase Has a Dual Role in Regulating Lamellipodium Extension by Decelerating the Rate of Actin Retrograde Flow and the Rate of Actin Polymerization. Journal of Biological Chemistry, 2011, 286, 36340-36351.	3.4	25
111	Cullin-3-KCTD10-mediated CEP97 degradation promotes primary cilium formation. Journal of Cell Science, 2018, 131, .	2.0	25
112	Cloning of CRP2, a novel member of the cysteine-rich protein family with two repeats of an unusual LIM/double zinc-finger motif. FEBS Letters, 1993, 333, 51-55.	2.8	24
113	CD29 integrinâ€•and LIMK1/cofilinâ€mediated actin reorganization regulates the migration of haematopoietic progenitor cells underneath bone marrow stromal cells. Genes To Cells, 2004, 9, 345-358.	1.2	24
114	Pharmacological Inhibition of Centrosome Clustering by Slingshot-Mediated Cofilin Activation and Actin Cortex Destabilization. Cancer Research, 2016, 76, 6690-6700.	0.9	24
115	Glucose deprivation induces primary cilium formation through mTORC1 inactivation. Journal of Cell Science, 2018, 131, .	2.0	24
116	Molecular Cloning and In Situ Localization in the Brain of Rat Sky Receptor Tyrosine Kinase1. Journal of Biochemistry, 1995, 117, 1267-1275.	1.7	22
117	Identification of Testis-Specific (Limk2t) and Brain-Specific (Limk2c) Isoforms of Mouse LIM-Kinase 2 Gene Transcripts. Biochemical and Biophysical Research Communications, 1998, 246, 307-312.	2.1	22
118	A unique membrane-bound, calcium-dependent endopeptidase with specificity toward paired basic residues in rat liver Golgi fractions. Biochemical and Biophysical Research Communications, 1989, 164, 780-787.	2.1	21
119	p63RhoGEFâ€mediated formation of a single polarized lamellipodium is required for chemotactic migration in breast carcinoma cells. FEBS Letters, 2013, 587, 698-705.	2.8	21
120	Coordination of Cellular Dynamics Contributes to Tooth Epithelium Deformations. PLoS ONE, 2016, 11, e0161336.	2.5	21
121	Inhibition of activated Ras-induced neuronal differentiation of PC12 cells by the LIM domain of LIM-kinase 1. Oncogene, 1997, 14, 1819-1825.	5.9	20
122	Cell-Type-Specific Expression of a TESK1 Promoter-Linked lacZ Gene in Transgenic Mice. Biochemical and Biophysical Research Communications, 2001, 286, 566-573.	2.1	20
123	Coactosin accelerates cell dynamism by promoting actin polymerization. Developmental Biology, 2013, 379, 53-63.	2.0	20
124	Structural organization and chromosomal localization of the mouse Tesk1 (testis-specific protein) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	19
125	Multifaceted roles of Furry proteins in invertebrates and vertebrates. Journal of Biochemistry, 2014, 155, 137-146.	1.7	19
126	Insulin Receptor Substrate-4 Binds to Slingshot-1 Phosphatase and Promotes Cofilin Dephosphorylation. Journal of Biological Chemistry, 2014, 289, 26302-26313.	3.4	19

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127	Jasplakinolide induces primary cilium formation through cell rounding and YAP inactivation. PLoS ONE, 2017, 12, e0183030.	2.5	18
128	Purification and Characterization of a Peptide C-Terminal Î±-Amidating Enzyme from Porcine Atrium1. Journal of Biochemistry, 1989, 105, 440-443.	1.7	16
129	Suppression of fibroblast cell growth by overexpression of LIM-kinase 1. FEBS Letters, 1996, 396, 81-86.	2.8	16
130	Nuclear export of LIM-kinase 1, mediated by two leucine-rich nuclear-export signals within the PDZ domain. Biochemical Journal, 1999, 338, 793.	3.7	15
131	AILIM/ICOS-mediated elongation of activated T cells is regulated by both the PI3-kinase/Akt and Rho family cascade. International Immunology, 2006, 18, 1815-1824.	4.0	15
132	Solo, a RhoA-targeting guanine nucleotide exchange factor, is critical for hemidesmosome formation and acinar development in epithelial cells. PLoS ONE, 2018, 13, e0195124.	2.5	15
133	Keratinâ€binding ability of the Nâ€terminal Solo domain of Solo is critical for its function in cellular mechanotransduction. Genes To Cells, 2019, 24, 390-402.	1.2	14
134	The N-terminal LIM domain negatively regulates the kinase activity ofLIM-kinase 1. Biochemical Journal, 1999, 343, 99.	3.7	14
135	The Expression and Cellular Localization of the Sperm Flagellar Protein MC31/CE9 in the Rat Testis. Possible Posttranscriptional Regulation during Rat Spermiogenesis.. Archives of Histology and Cytology, 2000, 63, 33-41.	0.2	12
136	Rabin8 suppresses autophagosome formation independently of its guanine nucleotide-exchange activity towards Rab8. Journal of Biochemistry, 2015, 158, 139-153.	1.7	12
137	Preparation and Characterization of an Active Lysozyme Derivative: Kyn 62-Lysozyme1. Journal of Biochemistry, 1979, 86, 1291-1300.	1.7	11
138	PKD regulates actin polymerization, neutrophil deformability, and transendothelial migration in response to fMLP and trauma. Journal of Leukocyte Biology, 2018, 104, 615-630.	3.3	11
139	Proenkephalin processing enzyme with specificity toward paired basic residues purified from bovine adrenal chromaffin granules. Neuropeptides, 1985, 5, 489-492.	2.2	10
140	Localization of Protein Kinase NDR2 to Peroxisomes and Its Role in Ciliogenesis. Journal of Biological Chemistry, 2017, 292, 4089-4098.	3.4	10
141	Roles of TOG and jelly-roll domains of centrosomal protein CEP104 in its functions in cilium elongation and Hedgehog signaling. Journal of Biological Chemistry, 2020, 295, 14723-14736.	3.4	9
142	Furry protein suppresses nuclear localization of yes-associated protein (YAP) by activating NDR kinase and binding to YAP. Journal of Biological Chemistry, 2020, 295, 3017-3028.	3.4	9
143	The Rho-guanine nucleotide exchange factor Solo decelerates collective cell migration by modulating the Rho-ROCK pathway and keratin networks. Molecular Biology of the Cell, 2020, 31, 741-752.	2.1	9
144	Solo and Keratin Filaments Regulate Epithelial Tubule Morphology. Cell Structure and Function, 2018, 43, 95-105.	1.1	7

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145	Live-cell imaging of G-actin dynamics using sequential FDAP. Bioarchitecture, 2011, 1, 240-244.	1.5	6
146	A pleckstrin homology-like domain is critical for F-actin binding and cofilin-phosphatase activity of Slingshot-1. Biochemical and Biophysical Research Communications, 2017, 482, 686-692.	2.1	6
147	PLEKHG4B enables actin cytoskeletal remodeling during epithelial cell-cell junction formation. Journal of Cell Science, 2021, 134, .	2.0	5
148	SCH 51344, An Inhibitor of RAS/RAC-Mediated Cell Morphology Pathway. Annals of the New York Academy of Sciences, 1999, 886, 122-131.	3.8	4
149	Activation of cytosolic Slingshot-1 phosphatase by gelsolin-generated soluble actin filaments. Biochemical and Biophysical Research Communications, 2014, 454, 471-477.	2.1	4
150	Isolation of Human Urinary Lysozyme. Journal of Biochemistry, 1978, 84, 971-975.	1.7	2
151	Gas6 and its Receptors.. Japanese Journal of Thrombosis and Hemostasis, 1998, 9, 462-466.	0.1	2
152	Protein kinase D1 regulates cofilin-mediated F-actin reorganization and cell motility through slingshot. , 0, .		1
153	Adrenorphin immunoreactivity in rat brain. Neuropeptides, 1985, 5, 517-520.	2.2	0
154	2SH0935 Critical role of actin monomer concentration in stimulus induced actin assembly and cell extension(2SH Actin as a Cytomotive Filament,The 48th Annual Meeting of the Biophysical Society of) Tj ETQq0 0 0 rgBT /Overlock 10 T	0	0
155	2C34 Analysis the role of Rho-GEFs in mechanical stress-induced actin cytoskeleton remodeling. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 369-370.	0.0	0