

John Blenis

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161
papers

40,444
citations

81
h-index

170
g-index

170
ext. papers

44,112
ext. citations

15.1
avg, IF

7.41
L-index

#	Paper	IF	Citations
161	Akt promotes cell survival by phosphorylating and inhibiting a Forkhead transcription factor. <i>Cell</i> , 1999 , 96, 857-68	56.2	5339
160	Molecular mechanisms of mTOR-mediated translational control. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 307-18	48.7	1847
159	ERK and p38 MAPK-activated protein kinases: a family of protein kinases with diverse biological functions. <i>Microbiology and Molecular Biology Reviews</i> , 2004 , 68, 320-44	13.2	1737
158	Identification of the tuberous sclerosis complex-2 tumor suppressor gene product tuberin as a target of the phosphoinositide 3-kinase/akt pathway. <i>Molecular Cell</i> , 2002 , 10, 151-62	17.6	1247
157	The Ras-ERK and PI3K-mTOR pathways: cross-talk and compensation. <i>Trends in Biochemical Sciences</i> , 2011 , 36, 320-8	10.3	1124
156	Rapamycin-FKBP specifically blocks growth-dependent activation of and signaling by the 70 kd S6 protein kinases. <i>Cell</i> , 1992 , 69, 1227-36	56.2	1050
155	Target of rapamycin (TOR): an integrator of nutrient and growth factor signals and coordinator of cell growth and cell cycle progression. <i>Oncogene</i> , 2004 , 23, 3151-71	9.2	998
154	Tuberous sclerosis complex gene products, Tuberin and Hamartin, control mTOR signaling by acting as a GTPase-activating protein complex toward Rheb. <i>Current Biology</i> , 2003 , 13, 1259-68	6.3	923
153	ras mediates nerve growth factor receptor modulation of three signal-transducing protein kinases: MAP kinase, Raf-1, and RSK. <i>Cell</i> , 1992 , 68, 1041-50	56.2	895
152	mTOR and S6K1 mediate assembly of the translation preinitiation complex through dynamic protein interchange and ordered phosphorylation events. <i>Cell</i> , 2005 , 123, 569-80	56.2	870
151	Mammalian cell size is controlled by mTOR and its downstream targets S6K1 and 4EBP1/eIF4E. <i>Genes and Development</i> , 2002 , 16, 1472-87	12.6	798
150	Molecular interpretation of ERK signal duration by immediate early gene products. <i>Nature Cell Biology</i> , 2002 , 4, 556-64	23.4	749
149	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , 2018 , 20, 332-343	23.4	686
148	PDGF- and insulin-dependent pp70S6k activation mediated by phosphatidylinositol-3-OH kinase. <i>Nature</i> , 1994 , 370, 71-5	50.4	682
147	mTOR controls cell cycle progression through its cell growth effectors S6K1 and 4E-BP1/eukaryotic translation initiation factor 4E. <i>Molecular and Cellular Biology</i> , 2004 , 24, 200-16	4.8	680
146	FADD/MORT1 and caspase-8 are recruited to TRAIL receptors 1 and 2 and are essential for apoptosis mediated by TRAIL receptor 2. <i>Immunity</i> , 2000 , 12, 599-609	32.3	670
145	Tuberous sclerosis complex-1 and -2 gene products function together to inhibit mammalian target of rapamycin (mTOR)-mediated downstream signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13571-6	11.5	661

144	Phosphoproteomic analysis identifies Grb10 as an mTORC1 substrate that negatively regulates insulin signaling. <i>Science</i> , 2011 , 332, 1322-6	33.3	649
143	Rapamycin differentially inhibits S6Ks and 4E-BP1 to mediate cell-type-specific repression of mRNA translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17414-9	11.5	625
142	Cutting edge: different Toll-like receptor agonists instruct dendritic cells to induce distinct Th responses via differential modulation of extracellular signal-regulated kinase-mitogen-activated protein kinase and c-Fos. <i>Journal of Immunology</i> , 2003 , 171, 4984-9	5.3	622
141	Rapamycin: one drug, many effects. <i>Cell Metabolism</i> , 2014 , 19, 373-9	24.6	620
140	Tumor-promoting phorbol esters and activated Ras inactivate the tuberous sclerosis tumor suppressor complex via p90 ribosomal S6 kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13489-94	11.5	605
139	The RSK family of kinases: emerging roles in cellular signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 747-58	48.7	569
138	Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase. <i>Nature</i> , 1992 , 358, 70-3	50.4	568
137	MAPK signal specificity: the right place at the right time. <i>Trends in Biochemical Sciences</i> , 2006 , 31, 268-75	10.3	544
136	RAS/ERK signaling promotes site-specific ribosomal protein S6 phosphorylation via RSK and stimulates cap-dependent translation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14056-64	5.4	537
135	Cargo of kinesin identified as JIP scaffolding proteins and associated signaling molecules. <i>Journal of Cell Biology</i> , 2001 , 152, 959-70	7.3	515
134	Essential requirement for caspase-8/FLICE in the initiation of the Fas-induced apoptotic cascade. <i>Current Biology</i> , 1998 , 8, 1001-8	6.3	489
133	Sensitized RNAi screen of human kinases and phosphatases identifies new regulators of apoptosis and chemoresistance. <i>Nature Cell Biology</i> , 2005 , 7, 591-600	23.4	469
132	The mTORC1 pathway stimulates glutamine metabolism and cell proliferation by repressing SIRT4. <i>Cell</i> , 2013 , 153, 840-54	56.2	402
131	Identification of a conserved motif required for mTOR signaling. <i>Current Biology</i> , 2002 , 12, 632-9	6.3	397
130	The mTOR/PI3K and MAPK pathways converge on eIF4B to control its phosphorylation and activity. <i>EMBO Journal</i> , 2006 , 25, 2781-91	13	391
129	TOS motif-mediated raptor binding regulates 4E-BP1 multisite phosphorylation and function. <i>Current Biology</i> , 2003 , 13, 797-806	6.3	391
128	Death receptor recruitment of endogenous caspase-10 and apoptosis initiation in the absence of caspase-8. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46639-46	5.4	373
127	Caspase-8 is required for cell death induced by expanded polyglutamine repeats. <i>Neuron</i> , 1999 , 22, 623-33	33.9	367

126	SIRT4 has tumor-suppressive activity and regulates the cellular metabolic response to DNA damage by inhibiting mitochondrial glutamine metabolism. <i>Cancer Cell</i> , 2013 , 23, 450-63	24.3	310
125	pp90rsk1 regulates estrogen receptor-mediated transcription through phosphorylation of Ser-167. <i>Molecular and Cellular Biology</i> , 1998 , 18, 1978-84	4.8	294
124	The 70 kDa S6 kinase complexes with and is activated by the Rho family G proteins Cdc42 and Rac1. <i>Cell</i> , 1996 , 85, 573-83	56.2	284
123	Identification of S6 kinase 1 as a novel mammalian target of rapamycin (mTOR)-phosphorylating kinase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 26089-93	5.4	259
122	A network of immediate early gene products propagates subtle differences in mitogen-activated protein kinase signal amplitude and duration. <i>Molecular and Cellular Biology</i> , 2004 , 24, 144-53	4.8	258
121	mTOR, translational control and human disease. <i>Seminars in Cell and Developmental Biology</i> , 2005 , 16, 29-37	7.5	248
120	Rsk1 mediates a MEK-MAP kinase cell survival signal. <i>Current Biology</i> , 2000 , 10, 127-35	6.3	242
119	The signal-dependent coactivator CBP is a nuclear target for pp90RSK. <i>Cell</i> , 1996 , 86, 465-74	56.2	240
118	The 70 kDa S6 kinase: regulation of a kinase with multiple roles in mitogenic signalling. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 806-14	9	236
117	ERK2 but not ERK1 induces epithelial-to-mesenchymal transformation via DEF motif-dependent signaling events. <i>Molecular Cell</i> , 2010 , 38, 114-27	17.6	235
116	SKAR links pre-mRNA splicing to mTOR/S6K1-mediated enhanced translation efficiency of spliced mRNAs. <i>Cell</i> , 2008 , 133, 303-13	56.2	234
115	PtdIns(3,4,5)P3-Dependent Activation of the mTORC2 Kinase Complex. <i>Cancer Discovery</i> , 2015 , 5, 1194-2004	20.4	220
114	Glucose addiction of TSC null cells is caused by failed mTORC1-dependent balancing of metabolic demand with supply. <i>Molecular Cell</i> , 2010 , 38, 487-99	17.6	201
113	A genome-wide siRNA screen reveals multiple mTORC1 independent signaling pathways regulating autophagy under normal nutritional conditions. <i>Developmental Cell</i> , 2010 , 18, 1041-52	10.2	188
112	Nutrient regulation of the mTOR complex 1 signaling pathway. <i>Molecules and Cells</i> , 2013 , 35, 463-73	3.5	185
111	Quantitative phosphorylation profiling of the ERK/p90 ribosomal S6 kinase-signaling cassette and its targets, the tuberous sclerosis tumor suppressors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 667-72	11.5	184
110	Sin1 phosphorylation impairs mTORC2 complex integrity and inhibits downstream Akt signalling to suppress tumorigenesis. <i>Nature Cell Biology</i> , 2013 , 15, 1340-50	23.4	180
109	Not all substrates are treated equally: implications for mTOR, rapamycin-resistance and cancer therapy. <i>Cell Cycle</i> , 2009 , 8, 567-72	4.7	180

108	Evidence for MEK-independent pathways regulating the prolonged activation of the ERK-MAP kinases. <i>Oncogene</i> , 1997 , 14, 1635-42	9.2	177
107	Neurotransmitter- and growth factor-induced cAMP response element binding protein phosphorylation in glial cell progenitors: role of calcium ions, protein kinase C, and mitogen-activated protein kinase/ribosomal S6 kinase pathway. <i>Journal of Neuroscience</i> , 1997 , 17, 1291-301	6.6	171
106	Inactivation of the tuberous sclerosis complex-1 and -2 gene products occurs by phosphoinositide 3-kinase/Akt-dependent and -independent phosphorylation of tuberin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 37288-96	5.4	170
105	p70 S6 kinase is regulated by protein kinase Czeta and participates in a phosphoinositide 3-kinase-regulated signalling complex. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2921-8	4.8	168
104	Identification of a small molecule inhibitor of 3-phosphoglycerate dehydrogenase to target serine biosynthesis in cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1778-83	11.5	166
103	The mTORC1/S6K1 pathway regulates glutamine metabolism through the eIF4B-dependent control of c-Myc translation. <i>Current Biology</i> , 2014 , 24, 2274-80	6.3	162
102	SKAR is a specific target of S6 kinase 1 in cell growth control. <i>Current Biology</i> , 2004 , 14, 1540-9	6.3	155
101	Activation of PI3K/Akt and MAPK pathways regulates Myc-mediated transcription by phosphorylating and promoting the degradation of Mad1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6584-9	11.5	154
100	Metabolic stress controls mTORC1 lysosomal localization and dimerization by regulating the TTT-RUVBL1/2 complex. <i>Molecular Cell</i> , 2013 , 49, 172-85	17.6	152
99	Metformin decreases glucose oxidation and increases the dependency of prostate cancer cells on reductive glutamine metabolism. <i>Cancer Research</i> , 2013 , 73, 4429-38	10.1	151
98	Phosphorylation of p90 ribosomal S6 kinase (RSK) regulates extracellular signal-regulated kinase docking and RSK activity. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4796-804	4.8	146
97	Ribosomal S6 kinase (RSK) regulates phosphorylation of filamin A on an important regulatory site. <i>Molecular and Cellular Biology</i> , 2004 , 24, 3025-35	4.8	137
96	Glycogen synthase kinase (GSK)-3 promotes p70 ribosomal protein S6 kinase (p70S6K) activity and cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1204-13	11.5	123
95	Ribosomal S6 kinase 1 (RSK1) activation requires signals dependent on and independent of the MAP kinase ERK. <i>Current Biology</i> , 1999 , 9, 810-20	6.3	121
94	Characterization of S6K2, a novel kinase homologous to S6K1. <i>Oncogene</i> , 1999 , 18, 5108-14	9.2	120
93	ERK-MAPK drives lamellipodia protrusion by activating the WAVE2 regulatory complex. <i>Molecular Cell</i> , 2011 , 41, 661-71	17.6	111
92	PI3-kinase and TOR: PIKTORing cell growth. <i>Seminars in Cell and Developmental Biology</i> , 2004 , 15, 147-59	7.5	110
91	Post-transcriptional Regulation of De Novo Lipogenesis by mTORC1-S6K1-SRPK2 Signaling. <i>Cell</i> , 2017 , 171, 1545-1558.e18	56.2	107

90	The tumor suppressor DAP kinase is a target of RSK-mediated survival signaling. <i>Current Biology</i> , 2005 , 15, 1762-7	6.3	107
89	Essential role for caspase-8 in transcription-independent apoptosis triggered by p53. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38905-11	5.4	104
88	Deletion of ribosomal S6 kinases does not attenuate pathological, physiological, or insulin-like growth factor 1 receptor-phosphoinositide 3-kinase-induced cardiac hypertrophy. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6231-40	4.8	96
87	Spatially separate docking sites on ERK2 regulate distinct signaling events in vivo. <i>Current Biology</i> , 2005 , 15, 1319-24	6.3	94
86	Quantitative phosphoproteomic analysis reveals system-wide signaling pathways downstream of SDF-1/CXCR4 in breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2182-90	11.5	91
85	Graded mitogen-activated protein kinase activity precedes switch-like c-Fos induction in mammalian cells. <i>Molecular and Cellular Biology</i> , 2005 , 25, 4676-82	4.8	89
84	Cloning and characterization of a human STE20-like protein kinase with unusual cofactor requirements. <i>Journal of Biological Chemistry</i> , 1997 , 272, 28695-703	5.4	88
83	The pleckstrin homology domain in insulin receptor substrate-1 sensitizes insulin signaling. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11715-8	5.4	87
82	Activation of MAP kinases, pp90rsk and pp70-S6 kinases in mouse mast cells by signaling through the c-kit receptor tyrosine kinase or Fc epsilon RI: rapamycin inhibits activation of pp70-S6 kinase and proliferation in mouse mast cells. <i>European Journal of Immunology</i> , 1993 , 23, 3286-91	6.1	83
81	Unique Metabolic Adaptations Dictate Distal Organ-Specific Metastatic Colonization. <i>Cancer Cell</i> , 2018 , 33, 347-354	24.3	81
80	Characterization of regulatory events associated with membrane targeting of p90 ribosomal S6 kinase 1. <i>Molecular and Cellular Biology</i> , 2001 , 21, 7470-80	4.8	81
79	Analysis of mTOR signaling by the small G-proteins, Rheb and RhebL1. <i>FEBS Letters</i> , 2005 , 579, 4763-8	3.8	79
78	Grb10 promotes lipolysis and thermogenesis by phosphorylation-dependent feedback inhibition of mTORC1. <i>Cell Metabolism</i> , 2014 , 19, 967-80	24.6	75
77	Distinct roles for mammalian target of rapamycin complexes in the fibroblast response to transforming growth factor-beta. <i>Cancer Research</i> , 2009 , 69, 84-93	10.1	74
76	The tumor suppressor FLCN mediates an alternate mTOR pathway to regulate browning of adipose tissue. <i>Genes and Development</i> , 2016 , 30, 2551-2564	12.6	71
75	A novel human SPS1/STE20 homologue, KHS, activates Jun N-terminal kinase. <i>Oncogene</i> , 1997 , 14, 653-99.2		70
74	Ran-binding protein 3 phosphorylation links the Ras and PI3-kinase pathways to nucleocytoplasmic transport. <i>Molecular Cell</i> , 2008 , 29, 362-75	17.6	67
73	mTORC1 Promotes Metabolic Reprogramming by the Suppression of GSK3-Dependent Foxk1 Phosphorylation. <i>Molecular Cell</i> , 2018 , 70, 949-960.e4	17.6	66

72	AKT facilitates EGFR trafficking and degradation by phosphorylating and activating PIKfyve. <i>Science Signaling</i> , 2013 , 6, ra45	8.8	65
71	Characterization of phosphatidylinositol 3-kinase-dependent phosphorylation of the hydrophobic motif site Thr(389) in p70 S6 kinase 1. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40281-9	5.4	65
70	p90 ribosomal S6 kinase and p70 ribosomal S6 kinase link phosphorylation of the eukaryotic chaperonin containing TCP-1 to growth factor, insulin, and nutrient signaling. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14939-48	5.4	64
69	The germinal center kinase (GCK)-related protein kinases HPK1 and KHS are candidates for highly selective signal transducers of Crk family adapter proteins. <i>Oncogene</i> , 1998 , 17, 1893-901	9.2	59
68	TORgeting oncogene addiction for cancer therapy. <i>Cancer Cell</i> , 2006 , 9, 77-9	24.3	59
67	Fas-associated death domain protein (FADD) and caspase-8 mediate up-regulation of c-Fos by Fas ligand and tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) via a FLICE inhibitory protein (FLIP)-regulated pathway. <i>Journal of Biological Chemistry</i> , 2001 , 276, 32585-90	5.4	56
66	ERK2 Mediates Metabolic Stress Response to Regulate Cell Fate. <i>Molecular Cell</i> , 2015 , 59, 382-98	17.6	55
65	A nexus for cellular homeostasis: the interplay between metabolic and signal transduction pathways. <i>Current Opinion in Biotechnology</i> , 2015 , 34, 110-7	11.4	54
64	Phosphoproteomic analysis identifies the tumor suppressor PDCD4 as a RSK substrate negatively regulated by 14-3-3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2918-27	11.5	54
63	Ribosomal S6 kinase 2 inhibition by a potent C-terminal repressor domain is relieved by mitogen-activated protein-extracellular signal-regulated kinase-regulated phosphorylation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7892-8	5.4	54
62	Estradiol and mTORC2 cooperate to enhance prostaglandin biosynthesis and tumorigenesis in TSC2-deficient LAM cells. <i>Journal of Experimental Medicine</i> , 2014 , 211, 15-28	16.6	53
61	Regulation of ribosomal S6 kinase 2 by effectors of the phosphoinositide 3-kinase pathway. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7884-91	5.4	53
60	Inhibition of ERK-MAP kinase signaling by RSK during Drosophila development. <i>EMBO Journal</i> , 2006 , 25, 3056-67	13	52
59	Integration of mTOR and estrogen-ERK2 signaling in lymphangioliomyomatosis pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14960-5	11.5	51
58	Mitochondrial One-Carbon Pathway Supports Cytosolic Folate Integrity in Cancer Cells. <i>Cell</i> , 2018 , 175, 1546-1560.e17	56.2	51
57	Heat shock induces two distinct S6 protein kinase activities in quiescent mammalian fibroblasts. <i>Journal of Cellular Physiology</i> , 1991 , 148, 252-9	7	50
56	ERK reinforces actin polymerization to power persistent edge protrusion during motility. <i>Science Signaling</i> , 2015 , 8, ra47	8.8	49
55	Beyond the Warburg Effect: How Do Cancer Cells Regulate One-Carbon Metabolism?. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 90	5.7	48

54	FLCN, a novel autophagy component, interacts with GABARAP and is regulated by ULK1 phosphorylation. <i>Autophagy</i> , 2014 , 10, 1749-60	10.2	48
53	Synthetic lethality of combined glutaminase and Hsp90 inhibition in mTORC1-driven tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E21-9	11.5	47
52	TOR, the Gateway to Cellular Metabolism, Cell Growth, and Disease. <i>Cell</i> , 2017 , 171, 10-13	56.2	47
51	Characterization of a conserved C-terminal motif (RSPRR) in ribosomal protein S6 kinase 1 required for its mammalian target of rapamycin-dependent regulation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 11101-6	5.4	46
50	Female Sex and Gender in Lung/Sleep Health and Disease. Increased Understanding of Basic Biological, Pathophysiological, and Behavioral Mechanisms Leading to Better Health for Female Patients with Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 850-858	10.2	44
49	Hippo-YAP and mTOR pathways collaborate to regulate organ size. <i>Nature Cell Biology</i> , 2012 , 14, 1244-52	3.4	44
48	Down-regulation of CMTM8 induces epithelial-to-mesenchymal transition-like changes via c-MET/extracellular signal-regulated kinase (ERK) signaling. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11850-8	5.4	44
47	Disruption of 3-phosphoinositide-dependent kinase 1 (PDK1) signaling by the anti-tumorigenic and anti-proliferative agent n-alpha-tosyl-L-phenylalanyl chloromethyl ketone. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12466-75	5.4	44
46	Age-induced accumulation of methylmalonic acid promotes tumour progression. <i>Nature</i> , 2020 , 585, 283-287	3.4	42
45	Dynamic Incorporation of Histone H3 Variants into Chromatin Is Essential for Acquisition of Aggressive Traits and Metastatic Colonization. <i>Cancer Cell</i> , 2019 , 36, 402-417.e13	24.3	37
44	PHLPPing it off: phosphatases get in the Akt. <i>Molecular Cell</i> , 2007 , 25, 798-800	17.6	34
43	Advances and Future Directions for Tuberous Sclerosis Complex Research: Recommendations From the 2015 Strategic Planning Conference. <i>Pediatric Neurology</i> , 2016 , 60, 1-12	2.9	34
42	and Mutations Cooperate to Drive Thyroid Tumorigenesis through ATF4 and c-MYC. <i>Cancer Discovery</i> , 2019 , 9, 264-281	24.4	34
41	Subcellular localization specified by protein acylation and phosphorylation. <i>Current Opinion in Cell Biology</i> , 1993 , 5, 984-9	9	33
40	Dominant mutations confer resistance to the immunosuppressant, rapamycin, in variants of a T cell lymphoma. <i>Cellular Immunology</i> , 1995 , 163, 70-9	4.4	31
39	Mind the GAP: Wnt steps onto the mTORC1 train. <i>Cell</i> , 2006 , 126, 834-6	56.2	30
38	The serine protease inhibitors, tosylphenylalanine chloromethyl ketone and tosyllysine chloromethyl ketone, potently inhibit pp70s6k activation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 23650-2	5.4	30
37	Cytoplasmic to nuclear signal transduction by mitogen-activated protein kinase and 90 kDa ribosomal S6 kinase. <i>Biochemical Society Transactions</i> , 1993 , 21, 895-900	5.1	29

36	A specific mechanomodulatory role for p38 MAPK in embryonic joint articular surface cell MEK-ERK pathway regulation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11011-8	5.4	27
35	ERK2 regulates epithelial-to-mesenchymal plasticity through DOCK10-dependent Rac1/FoxO1 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2967-2976	11.5	26
34	A high-throughput, cell-based screening method for siRNA and small molecule inhibitors of mTORC1 signaling using the In Cell Western technique. <i>Assay and Drug Development Technologies</i> , 2010 , 8, 186-99	2.1	26
33	Rap1-GTPases control mTORC1 activity by coordinating lysosome organization with amino acid availability. <i>Nature Communications</i> , 2020 , 11, 1416	17.4	25
32	Focal Adhesion- and IGF1R-Dependent Survival and Migratory Pathways Mediate Tumor Resistance to mTORC1/2 Inhibition. <i>Molecular Cell</i> , 2017 , 67, 512-527.e4	17.6	25
31	Construction and characterization of a cDNA clone containing a portion of the bovine prolactin sequence. <i>Nucleic Acids Research</i> , 1980 , 8, 1561-73	20.1	24
30	Characterizing the interaction of the mammalian eIF4E-related protein 4EHP with 4E-BP1. <i>FEBS Letters</i> , 2004 , 564, 58-62	3.8	21
29	The FDA-approved drug Alectinib compromises SARS-CoV-2 nucleocapsid phosphorylation and inhibits viral infection in vitro 2020 ,		19
28	The nuclear translocation of the kinases p38 and JNK promotes inflammation-induced cancer. <i>Science Signaling</i> , 2018 , 11,	8.8	18
27	mTORC1-Driven Tumor Cells Are Highly Sensitive to Therapeutic Targeting by Antagonists of Oxidative Stress. <i>Cancer Research</i> , 2016 , 76, 4816-27	10.1	18
26	Rheb activation of mTOR and S6K1 signaling. <i>Methods in Enzymology</i> , 2006 , 407, 542-55	1.7	15
25	SHP-2 regulates cell growth by controlling the mTOR/S6 kinase 1 pathway. <i>Journal of Biological Chemistry</i> , 2007 , 282, 6946-53	5.4	15
24	p90 ribosomal S6 kinase (RSK) phosphorylates myosin phosphatase and thereby controls edge dynamics during cell migration. <i>Journal of Biological Chemistry</i> , 2019 , 294, 10846-10862	5.4	12
23	Regulation of GSK3 cellular location by FRAT modulates mTORC1-dependent cell growth and sensitivity to rapamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19523-19529	11.5	10
22	mTORC1-chaperonin CCT signaling regulates mA RNA methylation to suppress autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
21	mTORC1 promotes cell growth via mA-dependent mRNA degradation. <i>Molecular Cell</i> , 2021 , 81, 2064-2075.68	7.68	9
20	Adding Polyamine Metabolism to the mTORC1 Toolkit in Cell Growth and Cancer. <i>Developmental Cell</i> , 2017 , 42, 112-114	10.2	7
19	mTORC1 signaling aids in CADalyzing pyrimidine biosynthesis. <i>Cell Metabolism</i> , 2013 , 17, 633-5	24.6	7

18	Akt-ivation of RNA splicing. <i>Molecular Cell</i> , 2014 , 53, 519-20	17.6	6
17	Proapoptotic protein Bim attenuates estrogen-enhanced survival in lymphangiomiomatosis. <i>JCI Insight</i> , 2016 , 1, e86629	9.9	5
16	Inhibition of osteoclasts differentiation by CDC2-induced NFATc1 phosphorylation. <i>Bone</i> , 2020 , 131, 115153	4.7	4
15	NADK is activated by oncogenic signaling to sustain pancreatic ductal adenocarcinoma. <i>Cell Reports</i> , 2021 , 35, 109238	10.6	4
14	Structural Insights into the Activation of mTORC1 on the Lysosomal Surface. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 367-369	10.3	3
13	CELL SIGNALING. Seeing mTORC1 specificity. <i>Science</i> , 2016 , 351, 25-6	33.3	3
12	TPCK inhibits AGC kinases by direct activation loop adduction at phenylalanine-directed cysteine residues. <i>FEBS Letters</i> , 2012 , 586, 3471-6	3.8	3
11	ATM: Promoter of metabolic "cost" reduction and "savings" usage during hypoxia through mTORC1 regulation. <i>Molecular Cell</i> , 2010 , 40, 501-2	17.6	3
10	mTORC1-Mediated Control of Protein Translation. <i>The Enzymes</i> , 2010 , 28, 1-20	2.3	3
9	Altered propionate metabolism contributes to tumour progression and aggressiveness.. <i>Nature Metabolism</i> , 2022 ,	14.6	3
8	Targeting the premetastatic niche: epigenetic therapies in the spotlight. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 68	21	2
7	Glutamine deprivation triggers NAGK-dependent hexosamine salvage. <i>ELife</i> , 2021 , 10,	8.9	2
6	Histone H3 variants at the root of metastasis. <i>Molecular and Cellular Oncology</i> , 2020 , 7, 1684128	1.2	1
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