Kun-Liang Guan

List of Publications by Year
in descending order

264 papers	89,236 citations	484 129 h-index	621 258 g-index
266 all docs	266 docs citations	266 times ranked	82493 citing authors

#	Article	IF	Citations
1	AMPK and mTOR regulate autophagy through direct phosphorylation of Ulk1. Nature Cell Biology, 2011, 13, 132-141.	4.6	5,447
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
3	TSC2 Mediates Cellular Energy Response to Control Cell Growth and Survival. Cell, 2003, 115, 577-590.	13.5	3,362
4	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
5	TSC2 is phosphorylated and inhibited by Akt and suppresses mTOR signalling. Nature Cell Biology, 2002, 4, 648-657.	4.6	2,667
6	Inactivation of YAP oncoprotein by the Hippo pathway is involved in cell contact inhibition and tissue growth control. Genes and Development, 2007, 21, 2747-2761.	2.7	2,487
7	Oncometabolite 2-Hydroxyglutarate Is a Competitive Inhibitor of Î±-Ketoglutarate-Dependent Dioxygenases. Cancer Cell, 2011, 19, 17-30.	7.7	2,340
8	TEAD mediates YAP-dependent gene induction and growth control. Genes and Development, 2008, 22, 1962-1971.	2.7	1,943
9	Hippo Pathway in Organ Size Control, Tissue Homeostasis, and Cancer. Cell, 2015, 163, 811-828.	13.5	1,716
10	Regulation of Cellular Metabolism by Protein Lysine Acetylation. Science, 2010, 327, 1000-1004.	6.0	1,642
11	Rheb GTPase is a direct target of TSC2 GAP activity and regulates mTOR signaling. Genes and Development, 2003, 17, 1829-1834.	2.7	1,566
12	mTOR: a pharmacologic target for autophagy regulation. Journal of Clinical Investigation, 2015, 125, 25-32.	3.9	1,425
13	Regulation of the Hippo-YAP Pathway by G-Protein-Coupled Receptor Signaling. Cell, 2012, 150, 780-791.	13.5	1,310
14	ULK1 induces autophagy by phosphorylating Beclin-1 and activating VPS34 lipid kinase. Nature Cell Biology, 2013, 15, 741-750.	4.6	1,255
15	Mechanisms of Hippo pathway regulation. Genes and Development, 2016, 30, 1-17.	2.7	1,224
16	TSC2 Integrates Wnt and Energy Signals via a Coordinated Phosphorylation by AMPK and GSK3 to Regulate Cell Growth. Cell, 2006, 126, 955-968.	13.5	1,183
17	Regulation of TORC1 by Rag GTPases in nutrient response. Nature Cell Biology, 2008, 10, 935-945.	4.6	1,143
18	A coordinated phosphorylation by Lats and CK1 regulates YAP stability through SCF^{Î²-TRCP}. Genes and Development, 2010, 24, 72-85.	2.7	1,100

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19	The Hippo pathway: regulators and regulations. Genes and Development, 2013, 27, 355-371.	2.7	1,034
20	Glioma-Derived Mutations in <i>IDH1</i> Dominantly Inhibit IDH1 Catalytic Activity and Induce HIF-1Î±. Science, 2009, 324, 261-265.	6.0	1,014
21	The Hippo pathway in organ size control, tissue regeneration and stem cell self-renewal. Nature Cell Biology, 2011, 13, 877-883.	4.6	1,009
22	The Hippoâ€"YAP pathway in organ size control and tumorigenesis: an updated version. Genes and Development, 2010, 24, 862-874.	2.7	978
23	The emerging roles of YAP and TAZ in cancer. Nature Reviews Cancer, 2015, 15, 73-79.	12.8	928
24	Acetylation of Metabolic Enzymes Coordinates Carbon Source Utilization and Metabolic Flux. Science, 2010, 327, 1004-1007.	6.0	924
25	Dysregulation of the TSC-mTOR pathway in human disease. Nature Genetics, 2005, 37, 19-24.	9.4	911
26	Inhibition of Î±-KG-dependent histone and DNA demethylases by fumarate and succinate that are accumulated in mutations of FH and SDH tumor suppressors. Genes and Development, 2012, 26, 1326-1338.	2.7	855
27	TAZ Promotes Cell Proliferation and Epithelial-Mesenchymal Transition and Is Inhibited by the Hippo Pathway. Molecular and Cellular Biology, 2008, 28, 2426-2436.	1.1	805
28	Amino acid signalling upstream of mTOR. Nature Reviews Molecular Cell Biology, 2013, 14, 133-139.	16.1	716
29	The Hippo Pathway: Biology and Pathophysiology. Annual Review of Biochemistry, 2019, 88, 577-604.	5.0	708
30	mTOR as a central hub of nutrient signalling and cell growth. Nature Cell Biology, 2019, 21, 63-71.	4.6	698
31	Negative Regulation of the Forkhead Transcription Factor FKHR by Akt. Journal of Biological Chemistry, 1999, 274, 16741-16746.	1.6	688
32	AMPK and mTOR in Cellular Energy Homeostasis and Drug Targets. Annual Review of Pharmacology and Toxicology, 2012, 52, 381-400.	4.2	650
33	Differential Regulation of Distinct Vps34 Complexes by AMPK in Nutrient Stress and Autophagy. Cell, 2013, 152, 290-303.	13.5	646
34	Cell detachment activates the Hippo pathway via cytoskeleton reorganization to induce anoikis. Genes and Development, 2012, 26, 54-68.	2.7	632
35	ATM signals to TSC2 in the cytoplasm to regulate mTORC1 in response to ROS. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4153-4158.	3.3	628
36	The role of YAP transcription coactivator in regulating stem cell self-renewal and differentiation. Genes and Development, 2010, 24, 1106-1118.	2.7	621

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37	TSCâ€“mTOR maintains quiescence and function of hematopoietic stem cells by repressing mitochondrial biogenesis and reactive oxygen species. Journal of Experimental Medicine, 2008, 205, 2397-2408.	4.2	615
38	Autophagy regulation by nutrient signaling. Cell Research, 2014, 24, 42-57.	5.7	601
39	Differential regulation of mTORC1 by leucine and glutamine. Science, 2015, 347, 194-198.	6.0	585
40	Essential function of TORC2 in PKC and Akt turn motif phosphorylation, maturation and signalling. EMBO Journal, 2008, 27, 1919-1931.	3.5	567
41	Angiomotin is a novel Hippo pathway component that inhibits YAP oncoprotein. Genes and Development, 2011, 25, 51-63.	2.7	557
42	The Hippo signaling pathway in stem cell biology and cancer. EMBO Reports, 2014, 15, 642-656.	2.0	532
43	A gp130â€“Srcâ€“YAP module links inflammation to epithelial regeneration. Nature, 2015, 519, 57-62.	13.7	528
44	Alternative Wnt Signaling Activates YAP/TAZ. Cell, 2015, 162, 780-794.	13.5	528
45	The autophagy initiating kinase ULK1 is regulated via opposing phosphorylation by AMPK and mTOR. Autophagy, 2011, 7, 643-644.	4.3	508
46	Expanding mTOR signaling. Cell Research, 2007, 17, 666-681.	5.7	485
47	Regulation of the TSC pathway by LKB1: evidence of a molecular link between tuberous sclerosis complex and Peutz-Jeghers syndrome. Genes and Development, 2004, 18, 1533-1538.	2.7	481
48	Acetylation Targets the M2 Isoform of Pyruvate Kinase for Degradation through Chaperone-Mediated Autophagy and Promotes Tumor Growth. Molecular Cell, 2011, 42, 719-730.	4.5	479
49	TEAD Transcription Factors Mediate the Function of TAZ in Cell Growth and Epithelial-Mesenchymal Transition. Journal of Biological Chemistry, 2009, 284, 13355-13362.	1.6	470
50	Tumour suppressor SIRT3 deacetylates and activates manganese superoxide dismutase to scavenge ROS. EMBO Reports, 2011, 12, 534-541.	2.0	468
51	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. Journal of Clinical Investigation, 2011, 121, 2181-2196.	3.9	462
52	YAP and TAZ: a nexus for Hippo signaling and beyond. Trends in Cell Biology, 2015, 25, 499-513.	3.6	445
53	Semaphorins command cells to move. Nature Reviews Molecular Cell Biology, 2005, 6, 789-800.	16.1	444
54	Identification of Sin1 as an essential TORC2 component required for complex formation and kinase activity. Genes and Development, 2006, 20, 2820-2832.	2.7	434

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55	The Hippo Tumor Pathway Promotes TAZ Degradation by Phosphorylating a Phosphodegron and Recruiting the SCFÎ²-TrCP E3 Ligase. Journal of Biological Chemistry, 2010, 285, 37159-37169.	1.6	422
56	Cellular energy stress induces AMPK-mediated regulation of YAP and the Hippo pathway. Nature Cell Biology, 2015, 17, 500-510.	4.6	421
57	The Hippoâ€"YAP pathway: new connections between regulation of organ size and cancer. Current Opinion in Cell Biology, 2008, 20, 638-646.	2.6	400
58	The YAP and TAZ transcription co-activators: Key downstream effectors of the mammalian Hippo pathway. Seminars in Cell and Developmental Biology, 2012, 23, 785-793.	2.3	397
59	Targeting the Hippo pathway in cancer, fibrosis, wound healing and regenerative medicine. Nature Reviews Drug Discovery, 2020, 19, 480-494.	21.5	396
60	YAP mediates crosstalk between the Hippo and PI(3)Kâ€"TOR pathways by suppressing PTEN viaÂmiR-29. Nature Cell Biology, 2012, 14, 1322-1329.	4.6	392
61	Mutant Gq/11 Promote Uveal Melanoma Tumorigenesis by Activating YAP. Cancer Cell, 2014, 25, 822-830.	7.7	391
62	MAP4K family kinases act in parallel to MST1/2 to activate LATS1/2 in the Hippo pathway. Nature Communications, 2015, 6, 8357.	5.8	388
63	TSC2: filling the GAP in the mTOR signaling pathway. Trends in Biochemical Sciences, 2004, 29, 32-38.	3.7	373
64	Mechanisms of regulating the Raf kinase family. Cellular Signalling, 2003, 15, 463-469.	1.7	356
65	Sirt3 Promotes the Urea Cycle and Fatty Acid Oxidation during Dietary Restriction. Molecular Cell, 2011, 41, 139-149.	4.5	344
66	<i>IDH1</i> and <i>IDH2</i> Mutations in Tumorigenesis: Mechanistic Insights and Clinical Perspectives. Clinical Cancer Research, 2012, 18, 5562-5571.	3.2	341
67	Acetylation Regulates Gluconeogenesis by Promoting PEPCK1 Degradation via Recruiting the UBR5ÂUbiquitin Ligase. Molecular Cell, 2011, 43, 33-44.	4.5	331
68	Nutrient signaling to mTOR and cell growth. Trends in Biochemical Sciences, 2013, 38, 233-242.	3.7	327
69	Regulation of intermediary metabolism by protein acetylation. Trends in Biochemical Sciences, 2011, 36, 108-116.	3.7	323
70	Flow-dependent YAP/TAZ activities regulate endothelial phenotypes and atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11525-11530.	3.3	323
71	The Hippo Pathway Kinases LATS1/2 Suppress Cancer Immunity. Cell, 2016, 167, 1525-1539.e17.	13.5	318
72	Structural insights into the YAP and TEAD complex. Genes and Development, 2010, 24, 235-240.	2.7	310

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73	Signaling by Target of Rapamycin Proteins in Cell Growth Control. Microbiology and Molecular Biology Reviews, 2005, 69, 79-100.	2.9	296
74	Acetylation Stabilizes ATP-Citrate Lyase to Promote Lipid Biosynthesis and Tumor Growth. Molecular Cell, 2013, 51, 506-518.	4.5	291
75	MTORC1 regulates cardiac function and myocyte survival through 4E-BP1 inhibition in mice. Journal of Clinical Investigation, 2010, 120, 2805-2816.	3.9	291
76	Nutrient Sensing, Metabolism, and Cell Growth Control. Molecular Cell, 2013, 49, 379-387.	4.5	285
77	Wildtype Kras2 can inhibit lung carcinogenesis in mice. Nature Genetics, 2001, 29, 25-33.	9.4	284
78	Interplay between YAP/TAZ and Metabolism. Cell Metabolism, 2018, 28, 196-206.	7.2	281
79	A YAP/TAZ-induced feedback mechanism regulates Hippo pathway homeostasis. Genes and Development, 2015, 29, 1271-1284.	2.7	278
80	Sestrins Inhibit mTORC1 Kinase Activation through the GATOR Complex. Cell Reports, 2014, 9, 1281-1291.	2.9	273
81	Protein kinase A activates the Hippo pathway to modulate cell proliferation and differentiation. Genes and Development, 2013, 27, 1223-1232.	2.7	269
82	Signalling mechanisms mediating neuronal responses to guidance cues. Nature Reviews Neuroscience, 2003, 4, 941-956.	4.9	267
83	RAP2 mediates mechanoresponses of the Hippo pathway. Nature, 2018, 560, 655-660.	13.7	266
84	Lysine-5 Acetylation Negatively Regulates Lactate Dehydrogenase A and Is Decreased in Pancreatic Cancer. Cancer Cell, 2013, 23, 464-476.	7.7	257
85	Regulation of PIK3C3/VPS34 complexes by MTOR in nutrient stress-induced autophagy. Autophagy, 2013, 9, 1983-1995.	4.3	249
86	Mitogenic and Oncogenic Stimulation of K433 Acetylation Promotes PKM2 Protein Kinase Activity and Nuclear Localization. Molecular Cell, 2013, 52, 340-352.	4.5	246
87	WT1 Recruits TET2 to Regulate Its Target Gene Expression and Suppress Leukemia Cell Proliferation. Molecular Cell, 2015, 57, 662-673.	4.5	242
88	Regulation of the Hippoâ€"YAP pathway by protease-activated receptors (PARs). Genes and Development, 2012, 26, 2138-2143.	2.7	239
89	Biochemical and Functional Characterizations of Small GTPase Rheb and TSC2 GAP Activity. Molecular and Cellular Biology, 2004, 24, 7965-7975.	1.1	226
90	Bnip3 Mediates the Hypoxia-induced Inhibition on Mammalian Target of Rapamycin by Interacting with Rheb. Journal of Biological Chemistry, 2007, 282, 35803-35813.	1.6	224

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91	Characterization of Hippo Pathway Components by Gene Inactivation. Molecular Cell, 2016, 64, 993-1008.	4.5	219
92	Regulation of the Hippo Pathway Transcription Factor TEAD. Trends in Biochemical Sciences, 2017, 42, 862-872.	3.7	218
93	The Stress-inducted Proteins RTP801 and RTP801L Are Negative Regulators of the Mammalian Target of Rapamycin Pathway. Journal of Biological Chemistry, 2005, 280, 9769-9772.	1.6	217
94	<scp>SIRT</scp>5 promotes <scp>IDH</scp>2 desuccinylation and G6<scp>PD</scp> deglutarylation to enhance cellular antioxidant defense. EMBO Reports, 2016, 17, 811-822.	2.0	210
95	Regulation of G6PD acetylation by KAT9/SIRT2 modulates NADPH homeostasis and cell survival during oxidative stress. EMBO Journal, 2014, 33, 1304-20.	3.5	205
96	The Hippo pathway in intestinal regeneration and disease. Nature Reviews Gastroenterology and Hepatology, 2016, 13, 324-337.	8.2	204
97	Amino Acid Signaling in TOR Activation. Annual Review of Biochemistry, 2011, 80, 1001-1032.	5.0	202
98	Mechanistic insights into the regulation of metabolic enzymes by acetylation. Journal of Cell Biology, 2012, 198, 155-164.	2.3	202
99	Kinase Suppressor of Ras Forms a Multiprotein Signaling Complex and Modulates MEK Localization. Molecular and Cellular Biology, 1999, 19, 5523-5534.	1.1	201
100	A GSK-3/TSC2/mTOR pathway regulates glucose uptake and GLUT1 glucose transporter expression. American Journal of Physiology - Cell Physiology, 2008, 295, C836-C843.	2.1	199
101	TSC1 Stabilizes TSC2 by Inhibiting the Interaction between TSC2 and the HERC1 Ubiquitin Ligase*. Journal of Biological Chemistry, 2006, 281, 8313-8316.	1.6	195
102	IÎºB kinase Îµ and TANK-binding kinase 1 activate AKT by direct phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6474-6479.	3.3	195
103	Negative Regulation of the Serine/Threonine Kinase B-Raf by Akt. Journal of Biological Chemistry, 2000, 275, 27354-27359.	1.6	194
104	A Role for NF-ÎºB Essential Modifier/IÎºB Kinase-Î³ (NEMO/IKKÎ³) Ubiquitination in the Activation of the IÎºB Kinase Complex by Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2003, 278, 37297-37305.	1.6	191
105	Disease implications of the Hippo/YAP pathway. Trends in Molecular Medicine, 2015, 21, 212-222.	3.5	191
106	Adiponectin Sensitizes Insulin Signaling by Reducing p70 S6 Kinase-mediated Serine Phosphorylation of IRS-1. Journal of Biological Chemistry, 2007, 282, 7991-7996.	1.6	179
107	Estrogen regulates Hippo signaling via GPER in breast cancer. Journal of Clinical Investigation, 2015, 125, 2123-2135.	3.9	179
108	The Hippo Pathway in Heart Development, Regeneration, and Diseases. Circulation Research, 2015, 116, 1431-1447.	2.0	178

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109	Temporal Changes in PTEN and mTORC2 Regulation of Hematopoietic Stem Cell Self-Renewal and Leukemia Suppression. Cell Stem Cell, 2012, 11, 415-428.	5.2	177
110	Complexity of the TOR signaling network. Trends in Cell Biology, 2006, 16, 206-212.	3.6	176
111	The Hippo pathway in organ development, homeostasis, and regeneration. Current Opinion in Cell Biology, 2017, 49, 99-107.	2.6	176
112	Both TEAD-Binding and WW Domains Are Required for the Growth Stimulation and Oncogenic Transformation Activity of Yes-Associated Protein. Cancer Research, 2009, 69, 1089-1098.	0.4	175
113	AMPK and autophagy in glucose/glycogen metabolism. Molecular Aspects of Medicine, 2015, 46, 46-62.	2.7	175
114	TSC1/TSC2 and Rheb have different effects on TORC1 and TORC2 activity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6811-6816.	3.3	169
115	Organ Size Control by Hippo and TOR Pathways. Current Biology, 2012, 22, R368-R379.	1.8	167
116	Critical Role for Hypothalamic mTOR Activity in Energy Balance. Cell Metabolism, 2009, 9, 362-374.	7.2	164
117	The Hippo pathway effectors YAP and TAZ promote cell growth by modulating amino acid signaling to mTORC1. Cell Research, 2015, 25, 1299-1313.	5.7	164
118	The Hippo pathway effector proteins YAP and TAZ have both distinct and overlapping functions in the cell. Journal of Biological Chemistry, 2018, 293, 11230-11240.	1.6	164
119	mTOR Pathway as a Target in Tissue Hypertrophy. Annual Review of Pharmacology and Toxicology, 2007, 47, 443-467.	4.2	162
120	Metabolism, Activity, and Targeting of D- and L-2-Hydroxyglutarates. Trends in Cancer, 2018, 4, 151-165.	3.8	160
121	Constitutive mTOR activation in TSC mutants sensitizes cells to energy starvation and genomic damage via p53. EMBO Journal, 2007, 26, 4812-4823.	3.5	153
122	Oncometabolite D-2-Hydroxyglutarate Inhibits ALKBH DNA Repair Enzymes and Sensitizes IDH Mutant Cells to Alkylating Agents. Cell Reports, 2015, 13, 2353-2361.	2.9	153
123	Atg5-independent autophagy regulates mitochondrial clearance and is essential for iPSC reprogramming. Nature Cell Biology, 2015, 17, 1379-1387.	4.6	153
124	Hippo signalling governs cytosolic nucleic acid sensing through YAP/TAZ-mediated TBK1 blockade. Nature Cell Biology, 2017, 19, 362-374.	4.6	153
125	Regulation of Hippo pathway transcription factor TEAD by p38 MAPK-induced cytoplasmic translocation. Nature Cell Biology, 2017, 19, 996-1002.	4.6	153
126	The semaphorin receptor plexin-B1 signals through a direct interaction with the Rho-specific nucleotide exchange factor, LARG. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12085-12090.	3.3	152

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127	<scp>SIRT</scp> 3â€dependent <scp>GOT</scp> 2 acetylation status affects the malateâ€“aspartate <scp>NADH</scp> shuttle activity and pancreatic tumor growth. EMBO Journal, 2015, 34, 1110-1125.	3.5	152
128	The mTOR pathway is highly activated in diabetic nephropathy and rapamycin has a strong therapeutic potential. Biochemical and Biophysical Research Communications, 2009, 384, 471-475.	1.0	150
129	The p38 and MK2 Kinase Cascade Phosphorylates Tuberin, the Tuberous Sclerosis 2 Gene Product, and Enhances Its Interaction with 14-3-3. Journal of Biological Chemistry, 2003, 278, 13663-13671.	1.6	143
130	Sestrin2 inhibits mTORC1 through modulation of GATOR complexes. Scientific Reports, 2015, 5, 9502.	1.6	137
131	The N-terminal Phosphodegron Targets TAZ/WWTR1 Protein for SCFÎ²-TrCP-dependent Degradation in Response to Phosphatidylinositol 3-Kinase Inhibition. Journal of Biological Chemistry, 2012, 287, 26245-26253.	1.6	134
132	Phosphorylation of Angiomotin by Lats1/2 Kinases Inhibits F-actin Binding, Cell Migration, and Angiogenesis. Journal of Biological Chemistry, 2013, 288, 34041-34051.	1.6	133
133	Inactivation of Rheb by PRAK-mediated phosphorylation is essential for energy-depletion-induced suppression of mTORC1. Nature Cell Biology, 2011, 13, 263-272.	4.6	128
134	The leucine-rich repeat protein SUR-8 enhances MAP kinase activation and forms a complex with Ras and Raf. Genes and Development, 2000, 14, 895-900.	2.7	128
135	Acetylation accumulates PFKFB3 in cytoplasm to promote glycolysis and protects cells from cisplatin-induced apoptosis. Nature Communications, 2018, 9, 508.	5.8	127
136	Oxidative Stress Activates SIRT2 to Deacetylate and Stimulate Phosphoglycerate Mutase. Cancer Research, 2014, 74, 3630-3642.	0.4	124
137	An emerging role for TOR signaling in mammalian tissue and stem cell physiology. Development (Cambridge), 2011, 138, 3343-3356.	1.2	123
138	Redox Regulates Mammalian Target of Rapamycin Complex 1 (mTORC1) Activity by Modulating the TSC1/TSC2-Rheb GTPase Pathway. Journal of Biological Chemistry, 2011, 286, 32651-32660.	1.6	123
139	Glut3 Addiction Is a Druggable Vulnerability for a Molecularly Defined Subpopulation of Glioblastoma. Cancer Cell, 2017, 32, 856-868.e5.	7.7	121
140	Regulation of mTORC1 by the Rab and Arf GTPases. Journal of Biological Chemistry, 2010, 285, 19705-19709.	1.6	120
141	PP1 Cooperates with ASPP2 to Dephosphorylate and Activate TAZ. Journal of Biological Chemistry, 2011, 286, 5558-5566.	1.6	120
142	Hippo Signaling in Embryogenesis and Development. Trends in Biochemical Sciences, 2021, 46, 51-63.	3.7	118
143	Cholesterol Stabilizes TAZ in Hepatocytes to Promote Experimental Non-alcoholic Steatohepatitis. Cell Metabolism, 2020, 31, 969-986.e7.	7.2	117
144	Osmotic stressâ€induced phosphorylation by <scp>NLK</scp> at Ser128 activates <scp>YAP</scp>. EMBO Reports, 2017, 18, 72-86.	2.0	112

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145	OTUB2 Promotes Cancer Metastasis via Hippo-Independent Activation of YAP and TAZ. Molecular Cell, 2019, 73, 7-21.e7.	4.5	112
146	Acetylation Negatively Regulates Glycogen Phosphorylase by Recruiting Protein Phosphatase 1. Cell Metabolism, 2012, 15, 75-87.	7.2	110
147	Hippo signaling at a glance. Journal of Cell Science, 2010, 123, 4001-4006.	1.2	107
148	The Plexin-B1/Rac interaction inhibits PAK activation and enhances Sema4D ligand binding. Genes and Development, 2002, 16, 836-845.	2.7	106
149	Both Decreased and Increased SRPK1 Levels Promote Cancer by Interfering with PHLPP-Mediated Dephosphorylation of Akt. Molecular Cell, 2014, 54, 378-391.	4.5	105
150	Selective Activation of MEK1 but Not MEK2 by A-Raf from Epidermal Growth Factor-stimulated Hela Cells. Journal of Biological Chemistry, 1996, 271, 3265-3271.	1.6	104
151	mTORC1 underlies ageâ€related muscle fiber damage and loss by inducing oxidative stress and catabolism. Aging Cell, 2019, 18, e12943.	3.0	104
152	Hippo Pathway Regulation of Gastrointestinal Tissues. Annual Review of Physiology, 2015, 77, 201-227.	5.6	103
153	AMP-activated Protein Kinase Contributes to UV- and H2O2-induced Apoptosis in Human Skin Keratinocytes. Journal of Biological Chemistry, 2008, 283, 28897-28908.	1.6	100
154	Alterations of metabolic genes and metabolites in cancer. Seminars in Cell and Developmental Biology, 2012, 23, 370-380.	2.3	100
155	Regulation of the Hippo pathway and implications for anticancer drug development. Trends in Pharmacological Sciences, 2013, 34, 581-589.	4.0	100
156	Regulation of TSC2 by 14-3-3 Binding. Journal of Biological Chemistry, 2002, 277, 44593-44596.	1.6	99
157	mTORC1 Promotes Denervation-Induced Muscle Atrophy Through a Mechanism Involving the Activation of FoxO and E3 Ubiquitin Ligases. Science Signaling, 2014, 7, ra18.	1.6	98
158	STRIPAK integrates upstream signals to initiate the Hippo kinase cascade. Nature Cell Biology, 2019, 21, 1565-1577.	4.6	98
159	Defects of Vps15 in skeletal muscles lead to autophagic vacuolar myopathy and lysosomal disease. EMBO Molecular Medicine, 2013, 5, 870-890.	3.3	96
160	Crystal structure of the Gtr1pâ€“Gtr2p complex reveals new insights into the amino acid-induced TORC1 activation. Genes and Development, 2011, 25, 1668-1673.	2.7	93
161	Serum- and Glucocorticoid-inducible Kinase SGK Phosphorylates and Negatively Regulates B-Raf. Journal of Biological Chemistry, 2001, 276, 31620-31626.	1.6	92
162	Destabilization of Fatty Acid Synthase by Acetylation Inhibits <i>De Novo</i> Lipogenesis and Tumor Cell Growth. Cancer Research, 2016, 76, 6924-6936.	0.4	92

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163	Regulation of Integrin Î²1 Recycling to Lipid Rafts by Rab1a to Promote Cell Migration. Journal of Biological Chemistry, 2010, 285, 29398-29405.	1.6	90
164	Tuberous sclerosis complex, implication from a rare genetic disease to common cancer treatment. Human Molecular Genetics, 2009, 18, R94-R100.	1.4	89
165	Generation of acetyllysine antibodies and affinity enrichment of acetylated peptides. Nature Protocols, 2010, 5, 1583-1595.	5.5	89
166	Rheb controls misfolded protein metabolism by inhibiting aggresome formation and autophagy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8923-8928.	3.3	88
167	Critical roles for the TSC-mTOR pathway in Î²-cell function. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1013-E1022.	1.8	88
168	Thromboxane A2 Activates YAP/TAZ Protein to Induce Vascular Smooth Muscle Cell Proliferation and Migration. Journal of Biological Chemistry, 2016, 291, 18947-18958.	1.6	88
169	YAPâ€“IL-6ST autoregulatory loop activated on APC loss controls colonic tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1643-1648.	3.3	85
170	Regulation of the autophagy initiating kinase ULK1 by nutrients: Roles of mTORC1 and AMPK. Cell Cycle, 2011, 10, 1337-1338.	1.3	81
171	The Tuberous Sclerosis Complexâ€“Mammalian Target of Rapamycin Pathway Maintains the Quiescence and Survival of Naive T Cells. Journal of Immunology, 2011, 187, 1106-1112.	0.4	80
172	Glyceraldehyde-3-phosphate Dehydrogenase Is Activated by Lysine 254 Acetylation in Response to Glucose Signal. Journal of Biological Chemistry, 2014, 289, 3775-3785.	1.6	79
173	Identification of FIP200 interaction with the TSC1â€“TSC2 complex and its role in regulation of cell size control. Journal of Cell Biology, 2005, 170, 379-389.	2.3	78
174	R-2-Hydroxyglutarate as the Key Effector of IDH Mutations Promoting Oncogenesis. Cancer Cell, 2013, 23, 274-276.	7.7	77
175	Amino Acids License Kinase mTORC1 Activity and Treg Cell Function via Small G Proteins Rag and Rheb. Immunity, 2019, 51, 1012-1027.e7.	6.6	76
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