

Molecular mechanisms of mTOR-mediated translation

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Citation Report

#	ARTICLE	IF	CITATIONS
2	The Two TORCs and Akt. <i>Developmental Cell</i> , 2007, 12, 487-502.	3.1	744
3	Common corruption of the mTOR signaling network in human tumors. <i>Oncogene</i> , 2008, 27, S43-S51.	2.6	275
4	Cellular transport and membrane dynamics of the glycine receptor. <i>Frontiers in Molecular Neuroscience</i> , 2009, 2, 28.	1.4	41
5	Enhancing mTOR-targeted cancer therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 1193-1203.	1.5	56
6	Targeted Inhibition of Mammalian Target of Rapamycin Signaling Inhibits Tumorigenesis of Colorectal Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 7207-7216.	3.2	151
7	Tumor Suppression by PTEN Requires the Activation of the PKR-eIF2 $\hat{=}$ Phosphorylation Pathway. <i>Science Signaling</i> , 2009, 2, ra85.	1.6	72
8	Targeting mTOR globally in cancer: Thinking beyond rapamycin. <i>Cell Cycle</i> , 2009, 8, 3831-3837.	1.3	155
9	Chapter 7 The Regulation of Protein Synthesis in Cancer. <i>Progress in Molecular Biology and Translational Science</i> , 2009, 90, 255-292.	0.9	10
10	Site-Specific mTOR Phosphorylation Promotes mTORC1-Mediated Signaling and Cell Growth. <i>Molecular and Cellular Biology</i> , 2009, 29, 4308-4324.	1.1	141
11	The role of mTOR in bladder cancer. <i>Cancer Biology and Therapy</i> , 2009, 8, 2348-2350.	1.5	3
12	The Hsp90 Inhibitor Geldanamycin Abrogates Colocalization of eIF4E and eIF4E-Transporter into Stress Granules and Association of eIF4E with eIF4G. <i>Journal of Biological Chemistry</i> , 2009, 284, 35597-35604.	1.6	37
13	Genetic modifiers of degeneration in the cathepsin D deficient <i>Drosophila</i> model for neuronal ceroid lipofuscinosis. <i>Neurobiology of Disease</i> , 2009, 36, 488-493.	2.1	10
14	Cellular quiescence: are controlling genes conserved?. <i>Trends in Cell Biology</i> , 2009, 19, 705-715.	3.6	88
15	PKR, the double stranded RNA-dependent protein kinase as a critical target in Alzheimer's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1476-1488.	1.6	39
16	Surviving hypoxia by modulation of mRNA translation rate. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2770-2779.	1.6	44
17	Involvement of mTOR kinase in cytokine-dependent microglial activation and cell proliferation. <i>Biochemical Pharmacology</i> , 2009, 78, 1242-1251.	2.0	143
18	Mammalian Target of Rapamycin: Discovery of Rapamycin Reveals a Signaling Pathway Important for Normal and Cancer Cell Growth. <i>Seminars in Oncology</i> , 2009, 36, S3-S17.	0.8	187
19	A Novel Signaling by Vitamin A/Retinol Promotes Self Renewal of Mouse Embryonic Stem Cells by Activating PI3K/Akt Signaling Pathway via Insulin-Like Growth Factor-1 Receptor $\hat{=}$. <i>Stem Cells</i> , 2010, 28, 57-63.	1.4	70

#	ARTICLE	IF	CITATIONS
20	Hot topics in aging research: protein translation, 2009. <i>Aging Cell</i> , 2009, 8, 617-623.	3.0	48
21	Cellular mechanisms of insulin resistance: role of stress-regulated serine kinases and insulin receptor substrates (IRS) serine phosphorylation. <i>Current Opinion in Pharmacology</i> , 2009, 9, 753-762.	1.7	350
22	Repression of protein translation and mTOR signaling by proteasome inhibitor in colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 598-601.	1.0	23
23	Regulation of folliculin (the BHD gene product) phosphorylation by Tsc2-mTOR pathway. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 16-21.	1.0	23
24	ATF4-dependent transcription mediates signaling of amino acid limitation. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 436-443.	3.1	469
25	SOCS3 Deletion Promotes Optic Nerve Regeneration In Vivo. <i>Neuron</i> , 2009, 64, 617-623.	3.8	442
26	Iron deficiency down-regulates the Akt/TSC1-TSC2/mammalian Target of Rapamycin signaling pathway in rats and in COS-1 cells. <i>Nutrition Research</i> , 2009, 29, 640-647.	1.3	27
27	mTOR mediated anti-cancer drug discovery. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2009, 6, 47-55.	0.5	146
28	mTOR regulates skeletal muscle regeneration in vivo through kinase-dependent and kinase-independent mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1434-C1444.	2.1	112
29	mTOR signaling at a glance. <i>Journal of Cell Science</i> , 2009, 122, 3589-3594.	1.2	1,940
30	The Complexes of Mammalian Target of Rapamycin. <i>Current Protein and Peptide Science</i> , 2010, 11, 409-424.	0.7	118
31	Cell Death Targeting Therapies in B Lymphoid Malignancies. <i>Current Drug Targets</i> , 2010, 11, 769-780.	1.0	1
32	A functional link between Polo-like kinase 1 and the mammalian Target-Of-Rapamycin pathway?. <i>Cell Cycle</i> , 2010, 9, 1690-1696.	1.3	26
35	Akt and Autophagy Cooperate to Promote Survival of Drug-Resistant Glioma. <i>Science Signaling</i> , 2010, 3, ra81.	1.6	253
36	Phosphatidic acid mediates activation of mTORC1 through the ERK signaling pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C335-C344.	2.1	75
37	Key factors in mTOR regulation. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 239-253.	2.4	111
38	Gene expression, metabolic regulation and stress tolerance during diapause. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2405-2424.	2.4	199
39	Identification of p27/KIP1 expression level as a candidate biomarker of response to rapalogs therapy in human cancer. <i>Journal of Molecular Medicine</i> , 2010, 88, 941-952.	1.7	16

#	ARTICLE	IF	CITATIONS
40	Balloon cells in human cortical dysplasia and tuberous sclerosis: isolation of a pathological progenitor-like cell. <i>Acta Neuropathologica</i> , 2010, 120, 85-96.	3.9	45
41	Epidermal growth factor receptor and mammalian target of rapamycin as therapeutic targets in malignant glioma: current clinical status and perspectives. <i>Targeted Oncology</i> , 2010, 5, 183-191.	1.7	23
42	Why do Kinase Inhibitors Cause Cardiotoxicity and What can be Done About It?. <i>Progress in Cardiovascular Diseases</i> , 2010, 53, 114-120.	1.6	83
43	Cell-type- and cell-cycle-specific anti-mitogenesis by cicaprost. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 93, 20-24.	1.0	4
44	Origins and evolution of the mechanisms regulating translation initiation in eukaryotes. <i>Trends in Biochemical Sciences</i> , 2010, 35, 63-73.	3.7	57
45	Regulation of the cardiomyocyte transcriptome vs translome by endothelin-1 and insulin: translational regulation of 5' terminal oligopyrimidine tract (TOP) mRNAs by insulin. <i>BMC Genomics</i> , 2010, 11, 343.	1.2	15
46	Posttranslational regulation of membrane type 1-matrix metalloproteinase (MT1-MMP) in mouse PTEN null prostate cancer cells: Enhanced surface expression and differential O-glycosylation of MT1-MMP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 1287-1297.	1.9	24
47	Astrocytes in the damaged brain: Molecular and cellular insights into their reactive response and healing potential. <i>Biochemical Pharmacology</i> , 2010, 79, 77-89.	2.0	274
48	FoxOs Enforce a Progression Checkpoint to Constrain mTORC1-Activated Renal Tumorigenesis. <i>Cancer Cell</i> , 2010, 18, 472-484.	7.7	127
49	mTOR and cancer: many loops in one pathway. <i>Current Opinion in Cell Biology</i> , 2010, 22, 169-176.	2.6	375
51	Synthesis of the Rheb and Kâ€Ras4B GTPases. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6090-6095.	7.2	73
52	SWI/SNF chromatin remodeling enzyme ATPases promote cell proliferation in normal mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2010, 223, 667-678.	2.0	33
53	PRAS40 acts as a nodal regulator of high glucoseâ€induced TORC1 activation in glomerular mesangial cell hypertrophy. <i>Journal of Cellular Physiology</i> , 2010, 225, 27-41.	2.0	43
54	Dissecting the role of mTOR: Lessons from mTOR inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 433-439.	1.1	389
55	Characterizing the Contribution of Stem/Progenitor Cells to Tumorigenesis in the Pten ^{-/-} /TP53 ^{-/-} Prostate Cancer Model. <i>Stem Cells</i> , 2010, 28, 2129-2140.	1.4	63
56	Rapamycin and CCI-779 inhibit the mammalian target of rapamycin signalling in hepatocellular carcinoma. <i>Liver International</i> , 2010, 30, 65-75.	1.9	30
57	Rapamycin inhibits lung metastasis of B16 melanoma cells through downâ€regulating alphav integrin expression and upâ€regulating apoptosis signaling. <i>Cancer Science</i> , 2010, 101, 494-500.	1.7	32
58	ITDâ€and FLâ€induced FLT3 signal transduction leads to increased C/EBPÎ²â€LIP expression and LIP/LAP ratio by different signalling modules. <i>British Journal of Haematology</i> , 2010, 148, 777-790.	1.2	22

#	ARTICLE	IF	CITATIONS
59	Rictor is a novel target of p70 S6 kinase-1. <i>Oncogene</i> , 2010, 29, 1003-1016.	2.6	137
60	Myc proteins as therapeutic targets. <i>Oncogene</i> , 2010, 29, 1249-1259.	2.6	177
61	Arabidopsis S6 kinase mutants display chromosome instability and altered RBR1â€E2F pathway activity. <i>EMBO Journal</i> , 2010, 29, 2979-2993.	3.5	98
62	S6K1 is a multifaceted regulator of Mdm2 that connects nutrient status and DNA damage response. <i>EMBO Journal</i> , 2010, 29, 2994-3006.	3.5	103
63	mTORC2 can associate with ribosomes to promote cotranslational phosphorylation and stability of nascent Akt polypeptide. <i>EMBO Journal</i> , 2010, 29, 3939-3951.	3.5	290
64	Hydrogen peroxide inhibits mTOR signaling by activation of AMPK \pm leading to apoptosis of neuronal cells. <i>Laboratory Investigation</i> , 2010, 90, 762-773.	1.7	207
65	Primary cilia regulate mTORC1 activity and cell size through Lkb1. <i>Nature Cell Biology</i> , 2010, 12, 1115-1122.	4.6	330
66	PTEN deletion enhances the regenerative ability of adult corticospinal neurons. <i>Nature Neuroscience</i> , 2010, 13, 1075-1081.	7.1	841
67	Translational control in cancer. <i>Nature Reviews Cancer</i> , 2010, 10, 254-266.	12.8	702
68	Of Rags and Ragulator. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 388-389.	16.1	1
69	Rapamycin Inhibits IGF-1 Stimulated Cell Motility through PP2A Pathway. <i>PLoS ONE</i> , 2010, 5, e10578.	1.1	36
71	Herpes Simplex Virus is Akt-ing in translational control. <i>Genes and Development</i> , 2010, 24, 2583-2586.	2.7	16
72	Cyclic AMP Controls mTOR through Regulation of the Dynamic Interaction between Rheb and Phosphodiesterase 4D. <i>Molecular and Cellular Biology</i> , 2010, 30, 5406-5420.	1.1	65
73	Protein homeostasis and aging in neurodegeneration. <i>Journal of Cell Biology</i> , 2010, 190, 719-729.	2.3	336
74	Human Chorionic Gonadotropin Stimulates Theca-Interstitial Cell Proliferation and Cell Cycle Regulatory Proteins by a cAMP-Dependent Activation of AKT/mTORC1 Signaling Pathway. <i>Molecular Endocrinology</i> , 2010, 24, 1782-1793.	3.7	50
75	mTORC1-Activated S6K1 Phosphorylates Rictor on Threonine 1135 and Regulates mTORC2 Signaling. <i>Molecular and Cellular Biology</i> , 2010, 30, 908-921.	1.1	365
76	Beyond BRAF in Melanoma. <i>Current Topics in Microbiology and Immunology</i> , 2010, 355, 99-117.	0.7	14
77	Mammalian Target of Rapamycinâ€Dependent Acinar Cell Neoplasia after Inactivation of <i>Apc</i> and <i>Pten</i> in the Mouse Salivary Gland: Implications for Human Acinic Cell Carcinoma. <i>Cancer Research</i> , 2010, 70, 9143-9152.	0.4	44

#	ARTICLE	IF	CITATIONS
78	The Efficacy of the Novel Dual PI3-Kinase/mTOR Inhibitor NVP-BEZ235 Compared with Rapamycin in Renal Cell Carcinoma. <i>Clinical Cancer Research</i> , 2010, 16, 3628-3638.	3.2	180
79	Differential Contribution of the MTOR and MNK Pathways to the Regulation of mRNA Translation in Meiotic and Postmeiotic Mouse Male Germ Cells ¹ . <i>Biology of Reproduction</i> , 2010, 83, 607-615.	1.2	21
80	Constitutive mTORC1 activation by a herpesvirus Akt surrogate stimulates mRNA translation and viral replication. <i>Genes and Development</i> , 2010, 24, 2627-2639.	2.7	119
81	Rapamycin: The Cure for all that Ails. <i>Journal of Molecular Cell Biology</i> , 2010, 2, 17-19.	1.5	17
82	Lipid Signaling in Plants. <i>Plant Cell Monographs</i> , 2010, , .	0.4	14
83	Tel2 structure and function in the Hsp90-dependent maturation of mTOR and ATR complexes. <i>Genes and Development</i> , 2010, 24, 2019-2030.	2.7	171
84	Pemetrexed Indirectly Activates the Metabolic Kinase AMPK in Human Carcinomas. <i>Cancer Research</i> , 2010, 70, 10299-10309.	0.4	81
85	Role for mammalian target of rapamycin complex 1 signaling in neuroadaptations underlying alcohol-related disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20093-20098.	3.3	140
86	ROS-mediated mechanisms of autophagy stimulation and their relevance in cancer therapy. <i>Autophagy</i> , 2010, 6, 838-854.	4.3	263
87	New Hierarchical Phosphorylation Pathway of the Translational Repressor eIF4E-binding Protein 1 (4E-BP1) in Ischemia-Reperfusion Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 34355-34363.	1.6	45
88	Methylation of Ribosomal Protein L42 Regulates Ribosomal Function and Stress-adapted Cell Growth. <i>Journal of Biological Chemistry</i> , 2010, 285, 22448-22460.	1.6	27
89	Requirement of the mTOR Kinase for the Regulation of Maf1 Phosphorylation and Control of RNA Polymerase III-dependent Transcription in Cancer Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 15380-15392.	1.6	149
90	Vesicular stomatitis virus oncolysis is potentiated by impairing mTORC1-dependent type I IFN production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1576-1581.	3.3	113
91	mTOR Signaling in Lymphangiomyomatosis. <i>Lymphatic Research and Biology</i> , 2010, 8, 33-42.	0.5	21
92	Regulation of mTOR Complex 1 (mTORC1) by Raptor Ser863 and Multisite Phosphorylation. <i>Journal of Biological Chemistry</i> , 2010, 285, 80-94.	1.6	158
93	Repair of Isoaspartate Formation Modulates the Interaction of Deamidated 4E-BP2 with mTORC1 in Brain. <i>Journal of Biological Chemistry</i> , 2010, 285, 19402-19408.	1.6	16
94	VEGF-targeted therapy and beyond: pharmacotherapy and emerging treatments in age-related macular degeneration. <i>Expert Review of Clinical Pharmacology</i> , 2010, 3, 243-252.	1.3	7
95	The Emerging Role of the Phosphatidylinositol 3-Kinase/ Akt/Mammalian Target of Rapamycin Signaling Network in Cancer Stem Cell Biology. <i>Cancers</i> , 2010, 2, 1576-1596.	1.7	40

#	ARTICLE	IF	CITATIONS
96	Molecular Mechanism of Chemoresistance by Astrocyte Elevated Gene-1. <i>Cancer Research</i> , 2010, 70, 3249-3258.	0.4	188
97	Fighting of Casein kinase 1 and PP2A/Shugoshin for cohesins during meiosis I. <i>Cell Cycle</i> , 2010, 9, 2954-2962.	1.3	2
98	cAMP-Dependent Activation of Mammalian Target of Rapamycin (mTOR) in Thyroid Cells. Implication in Mitogenesis and Activation of CDK4. <i>Molecular Endocrinology</i> , 2010, 24, 1453-1468.	3.7	55
99	The Human Papillomavirus Type 16 E6 Oncoprotein Activates mTORC1 Signaling and Increases Protein Synthesis. <i>Journal of Virology</i> , 2010, 84, 9398-9407.	1.5	182
100	p38 β as an inducer of aneuploidy in p53 ^{-/-} tetraploid cells. <i>Cell Cycle</i> , 2010, 9, 2936-2944.	1.3	18
101	Overeating yeast display fatty acid-induced necrotic cell death. <i>Cell Cycle</i> , 2010, 9, 2945-2953.	1.3	1
102	Roles and controls of mTOR in the heart. Focus on α mTOR attenuates the inflammatory response in cardiomyocytes and prevents cardiac dysfunction in pathological hypertrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1250-C1252.	2.1	3
103	A spotlight on regulatory networks connecting EMT and cancer stem cells. <i>Cell Cycle</i> , 2010, 9, 2927-2935.	1.3	10
104	PML promotes senescence via JAK/STAT signaling. <i>Cell Cycle</i> , 2010, 9, 2963-2971.	1.3	27
105	Transcription elongation takes central stage: The P-TEFb connection. <i>Cell Cycle</i> , 2010, 9, 2981-2989.	1.3	11
106	Cyclin independent role for cdk4/6 during B-cell lymphoma survival. <i>Cell Cycle</i> , 2010, 9, 2972-2980.	1.3	3
107	A feedback loop between mTOR and tRNA expression?. <i>Cell Cycle</i> , 2010, 9, 2990-2998.	1.3	4
108	P-TEFb joins the family of cdk5 in oncology, promotes cell growth of cancer cells. <i>Cell Cycle</i> , 2010, 9, 2999-3007.	1.3	2
109	mTOR signaling is activated by FLT3 kinase and promotes survival of FLT3- mutated acute myeloid leukemia cells. <i>Molecular Cancer</i> , 2010, 9, 292.	7.9	71
110	Chemistry and Pharmacology of Rapamycin and Its Derivatives. <i>The Enzymes</i> , 2010, , 329-366.	0.7	6
111	mTOR Ser-2481 Autophosphorylation Monitors mTORC-specific Catalytic Activity and Clarifies Rapamycin Mechanism of Action. <i>Journal of Biological Chemistry</i> , 2010, 285, 7866-7879.	1.6	189
112	Ras Homolog Enriched in Brain (Rheb) Enhances Apoptotic Signaling*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33979-33991.	1.6	49
113	Global Downstream Pathway Analysis Reveals a Dependence of Oncogenic NF-E2-Related Factor 2 Mutation on the mTOR Growth Signaling Pathway. <i>Cancer Research</i> , 2010, 70, 9095-9105.	0.4	106

#	ARTICLE	IF	CITATIONS
114	Structural Analysis and Functional Implications of the Negative mTORC1 Regulator REDD1. <i>Biochemistry</i> , 2010, 49, 2491-2501.	1.2	61
115	Postnatal Deamidation of 4E-BP2 in Brain Enhances Its Association with Raptor and Alters Kinetics of Excitatory Synaptic Transmission. <i>Molecular Cell</i> , 2010, 37, 797-808.	4.5	96
116	Glucose Addiction of TSC Null Cells Is Caused by Failed mTORC1-Dependent Balancing of Metabolic Demand with Supply. <i>Molecular Cell</i> , 2010, 38, 487-499.	4.5	236
117	Structure of the Human mTOR Complex I and Its Implications for Rapamycin Inhibition. <i>Molecular Cell</i> , 2010, 38, 768-774.	4.5	347
118	Activation of a Metabolic Gene Regulatory Network Downstream of mTOR Complex 1. <i>Molecular Cell</i> , 2010, 39, 171-183.	4.5	1,598
119	Regulation of the mTOR Complex 1 Pathway by Nutrients, Growth Factors, and Stress. <i>Molecular Cell</i> , 2010, 40, 310-322.	4.5	1,075
120	Translational Regulation of Gene Expression during Conditions of Cell Stress. <i>Molecular Cell</i> , 2010, 40, 228-237.	4.5	607
121	Signal transduction in the human thyrocyte and its perversion in thyroid tumors. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 3-19.	1.6	32
122	IGF-1 stimulates protein synthesis by enhanced signaling through mTORC1 in bovine mammary epithelial cells. <i>Domestic Animal Endocrinology</i> , 2010, 38, 211-221.	0.8	73
123	PI3K/Akt/mTOR signaling regulates glutamate transporter 1 in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 514-518.	1.0	92
124	Role of leukotriene B4 in celecoxib-mediated anticancer effect. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 308-311.	1.0	11
125	Plzf Regulates Germline Progenitor Self-Renewal by Opposing mTORC1. <i>Cell</i> , 2010, 142, 468-479.	13.5	237
126	The Pioneer Round of Translation: Features and Functions. <i>Cell</i> , 2010, 142, 368-374.	13.5	192
127	The Immunoproteasome Cleans up after Inflammation. <i>Cell</i> , 2010, 142, 517-518.	13.5	37
128	With TOR, Less Is More: A Key Role for the Conserved Nutrient-Sensing TOR Pathway in Aging. <i>Cell Metabolism</i> , 2010, 11, 453-465.	7.2	592
129	TRPM Channels Mediate Zinc Homeostasis and Cellular Growth during <i>Drosophila</i> Larval Development. <i>Cell Metabolism</i> , 2010, 12, 386-397.	7.2	40
130	Mammalian target of rapamycin in spinal cord neurons mediates hypersensitivity induced by peripheral inflammation. <i>Neuroscience</i> , 2010, 169, 1392-1402.	1.1	76
131	Insulin signaling regulates cardiac titin properties in heart development and diabetic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 910-916.	0.9	70

#	ARTICLE	IF	CITATIONS
132	Increasing healthy lifespan by suppressing aging in our lifetime: Preliminary proposal. Cell Cycle, 2010, 9, 4788-4794.	1.3	52
133	4E2BPs at the crossroads of oncogenic MAPK and AKT signaling. Pigment Cell and Melanoma Research, 2010, 23, 585-586.	1.5	1
134	PTEN/mTOR and axon regeneration. Experimental Neurology, 2010, 223, 45-50.	2.0	243
135	Nutrient availability and lactogenic hormones regulate mammary protein synthesis through the mammalian target of rapamycin signaling pathway. Journal of Dairy Science, 2010, 93, 153-161.	1.4	98
136	Mammalian Target of Rapamycin (mTOR): Conducting the Cellular Signaling Symphony. Journal of Biological Chemistry, 2010, 285, 14071-14077.	1.6	453
137	A comprehensive map of the mTOR signaling network. Molecular Systems Biology, 2010, 6, 453.	3.2	201
138	Age- and Diet-Specific Effects of Variation at S6 Kinase on Life History, Metabolic, and Immune Response Traits in Drosophila melanogaster. DNA and Cell Biology, 2010, 29, 473-485.	0.9	12
139	Second AKT: The rise of SCK in cancer signalling. Growth Factors, 2010, 28, 394-408.	0.5	127
140	FAK mediates the activation of cardiac fibroblasts induced by mechanical stress through regulation of the mTOR complex. Cardiovascular Research, 2010, 86, 421-431.	1.8	70
141	An emerging role for TOR signaling in mammalian tissue and stem cell physiology. Development (Cambridge), 2011, 138, 3343-3356.	1.2	123
142	Cancer Cell Survival Following DNA Damage-mediated Premature Senescence Is Regulated by Mammalian Target of Rapamycin (mTOR)-dependent Inhibition of Sirtuin 1. Journal of Biological Chemistry, 2011, 286, 19100-19108.	1.6	65
143	The sphingosine 1-phosphate receptor S1P2 maintains the homeostasis of germinal center B cells and promotes niche confinement. Nature Immunology, 2011, 12, 672-680.	7.0	229
144	PHLPP-Mediated Dephosphorylation of S6K1 Inhibits Protein Translation and Cell Growth. Molecular and Cellular Biology, 2011, 31, 4917-4927.	1.1	81
145	AKT Signaling Pathway in the Nucleus Accumbens Mediates Excessive Alcohol Drinking Behaviors. Biological Psychiatry, 2011, 70, 575-582.	0.7	104
146	Genetic ablation of S6-kinase does not prevent processing of SREBP1. Advances in Enzyme Regulation, 2011, 51, 280-290.	2.9	8
147	A longer and healthier life with TOR down-regulation: genetics and drugs. Biochemical Society Transactions, 2011, 39, 460-465.	1.6	120
148	mTOR signaling in protein homeostasis. Cell Cycle, 2011, 10, 1940-1947.	1.3	56
149	Regulation of mammalian target of rapamycin and mitogen activated protein kinase pathways by BCR-ABL. Leukemia and Lymphoma, 2011, 52, 45-53.	0.6	29

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150	Proteolysis in illness-associated skeletal muscle atrophy: from pathways to networks. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2011, 48, 49-70.	2.7	62
151	Future Directions in Renal Cell Carcinoma: 2011 and Beyond. <i>Hematology/Oncology Clinics of North America</i> , 2011, 25, 917-935.	0.9	18
152	Discovery of 9-(6-Aminopyridin-3-yl)-1-(3-(trifluoromethyl)phenyl)benzo[<i>h</i>][1,6]naphthyridin-2(1 <i>H</i>)-one (Torin2) as a Potent, Selective, and Orally Available Mammalian Target of Rapamycin (mTOR) Inhibitor for Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1473-1480.	2.9	195
153	TOR signaling never gets old: Aging, longevity and TORC1 activity. <i>Ageing Research Reviews</i> , 2011, 10, 225-237.	5.0	101
154	Pentamidine reduces expression of hypoxia-inducible factor-1 α in DU145 and MDA-MB-231 cancer cells. <i>Cancer Letters</i> , 2011, 303, 39-46.	3.2	24
155	Sindbis virus replication, is insensitive to rapamycin and torin1, and suppresses Akt/mTOR pathway late during infection in HEK cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 262-267.	1.0	24
156	Principles and Current Strategies for Targeting Autophagy for Cancer Treatment. <i>Clinical Cancer Research</i> , 2011, 17, 654-666.	3.2	789
157	Relieving Autophagy and 4EBP1 from Rapamycin Resistance. <i>Molecular and Cellular Biology</i> , 2011, 31, 2867-2876.	1.1	83
158	mTOR couples cellular nutrient sensing to organismal metabolic homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 94-102.	3.1	280
159	Mammalian TOR signaling to the AGC kinases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 527-547.	2.3	68
160	Insulin and the Physiology of Carbohydrate Metabolism. <i>Energy Balance and Cancer</i> , 2011, , 1-52.	0.2	1
161	Chemical inhibition of RNA viruses reveals REDD1 as a host defense factor. <i>Nature Chemical Biology</i> , 2011, 7, 712-719.	3.9	70
162	Metformin As a Geroprotector. <i>Rejuvenation Research</i> , 2011, 14, 469-482.	0.9	34
163	TOR and ageing: a complex pathway for a complex process. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 17-27.	1.8	91
164	Phosphoproteomic Analysis Identifies Grb10 as an mTORC1 Substrate That Negatively Regulates Insulin Signaling. <i>Science</i> , 2011, 332, 1322-1326.	6.0	772
165	Structural Basis for Activation and Inhibition of Class I Phosphoinositide 3-Kinases. <i>Science Signaling</i> , 2011, 4, re2.	1.6	249
166	Spatial Coupling of mTOR and Autophagy Augments Secretory Phenotypes. <i>Science</i> , 2011, 332, 966-970.	6.0	469
167	Promising Activity of Mammalian Target of Rapamycin Inhibitors in Hematologic Malignancies Therapy. <i>Current Signal Transduction Therapy</i> , 2011, 6, 44-54.	0.3	0

#	ARTICLE	IF	CITATIONS
168	SP600125 Inhibits Cap-dependent Translation Independently of the c-Jun N-terminal Kinase Pathway. <i>Cell Structure and Function</i> , 2011, 36, 27-33.	0.5	5
169	TOR: A Conserved Nutrient-Sensing Pathway that Determines Life-Span Across Species. , 2011, , 203-214.		1
170	Role of GSK3 Signaling in Neuronal Morphogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 48.	1.4	91
171	Phosphoproteomic Profiling of In Vivo Signaling in Liver by the Mammalian Target of Rapamycin Complex 1 (mTORC1). <i>PLoS ONE</i> , 2011, 6, e21729.	1.1	63
172	The Putative RNA Helicase HELZ Promotes Cell Proliferation, Translation Initiation and Ribosomal Protein S6 Phosphorylation. <i>PLoS ONE</i> , 2011, 6, e22107.	1.1	17
173	Involvement of mTOR in CXCL12 Mediated T Cell Signaling and Migration. <i>PLoS ONE</i> , 2011, 6, e24667.	1.1	24
174	A Mechanism for Synergy with Combined mTOR and PI3 Kinase Inhibitors. <i>PLoS ONE</i> , 2011, 6, e26343.	1.1	50
175	S6K1 and 4E-BP1 Are Independent Regulated and Control Cellular Growth in Bladder Cancer. <i>PLoS ONE</i> , 2011, 6, e27509.	1.1	81
176	Resveratrol Inhibits Protein Translation in Hepatic Cells. <i>PLoS ONE</i> , 2011, 6, e29513.	1.1	21
177	Therapeutic Rationale for mTOR Inhibition in Advanced Renal Cell Carcinoma. <i>Current Clinical Pharmacology</i> , 2011, 6, 214-221.	0.2	52
178	Rheb/mTOR Activation and Regulation in Cancer: Novel Treatment Strategies beyond Rapamycin. <i>Current Drug Targets</i> , 2011, 12, 1223-1231.	1.0	18
179	The effect of p-4E-BP1 and p-eIF4E on cell proliferation in a breast cancer model. <i>International Journal of Oncology</i> , 2011, 39, 1337-45.	1.4	25
180	Translation initiation factors and active sites of protein synthesis co-localize at the leading edge of migrating fibroblasts. <i>Biochemical Journal</i> , 2011, 438, 217-227.	1.7	35
181	Genetic control of plant organ growth. <i>New Phytologist</i> , 2011, 191, 319-333.	3.5	62
182	mTOR: from growth signal integration to cancer, diabetes and ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 21-35.	16.1	3,464
183	Divergent functions for eIF4E and S6 kinase by sonic hedgehog mitogenic signaling in the developing cerebellum. <i>Oncogene</i> , 2011, 30, 1784-1797.	2.6	28
184	Turn motif phosphorylation negatively regulates activation loop phosphorylation in Akt. <i>Oncogene</i> , 2011, 30, 4487-4497.	2.6	15
185	Viral factor TAV recruits TOR/S6K1 signalling to activate reinitiation after long ORF translation. <i>EMBO Journal</i> , 2011, 30, 1343-1356.	3.5	109

#	ARTICLE	IF	CITATIONS
186	Translational repression stabilizes messenger RNA of autophagy-related genes. <i>Genes To Cells</i> , 2011, 16, 857-867.	0.5	6
187	Protein restriction in the pregnant mouse modifies fetal growth and pulmonary development: role of fetal exposure to L-hydroxybutyrate. <i>Experimental Physiology</i> , 2011, 96, 203-215.	0.9	13
188	Involvement of 4E-BP phosphorylation in embryonic development of the silkworm, <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 978-985.	0.9	22
189	Tor Complex 1 Controls Telomere Length by Affecting the Level of Ku. <i>Current Biology</i> , 2011, 21, 2115-2120.	1.8	33
190	p130Cas promotes invasiveness of three-dimensional ErbB2-transformed mammary acinar structures by enhanced activation of mTOR/p70S6K and Rac1. <i>European Journal of Cell Biology</i> , 2011, 90, 237-248.	1.6	29
191	Role of TOR signaling in aging and related biological processes in <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2011, 46, 382-390.	1.2	116
192	Regulation and deregulation of mRNA translation during myeloid maturation. <i>Experimental Hematology</i> , 2011, 39, 133-141.	0.2	10
193	TSC1/TSC2 signaling in the CNS. <i>FEBS Letters</i> , 2011, 585, 973-980.	1.3	93
194	Thrombin activation of PI3K/PDK1/Akt signaling promotes cyclin D1 upregulation and RPE cell proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1758-1766.	1.9	31
195	Targeting of the Tumor Suppressor GRHL3 by a miR-21-Dependent Proto-Oncogenic Network Results in PTEN Loss and Tumorigenesis. <i>Cancer Cell</i> , 2011, 20, 635-648.	7.7	203
196	A phospho-proteomic screen identifies novel S6K1 and mTORC1 substrates revealing additional complexity in the signaling network regulating cell growth. <i>Cellular Signalling</i> , 2011, 23, 1338-1347.	1.7	16
197	Recent progress toward understanding the molecular mechanisms that regulate skeletal muscle mass. <i>Cellular Signalling</i> , 2011, 23, 1896-1906.	1.7	147
198	mTOR phosphorylates IMP2 to promote IGF2 mRNA translation by internal ribosomal entry. <i>Genes and Development</i> , 2011, 25, 1159-1172.	2.7	148
199	Translational coregulation of 5'UTR mRNAs by TIA-1 and TIAR. <i>Genes and Development</i> , 2011, 25, 2057-2068.	2.7	193
200	Translational regulation of the cell cycle: when, where, how and why?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3638-3652.	1.8	66
201	mTOR complex 2 signaling and functions. <i>Cell Cycle</i> , 2011, 10, 2305-2316.	1.3	469
202	Translation Initiator EIF4G1 Mutations in Familial Parkinson Disease. <i>American Journal of Human Genetics</i> , 2011, 89, 398-406.	2.6	250
203	Cap and cap-binding proteins in the control of gene expression. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 277-298.	3.2	338

#	ARTICLE	IF	CITATIONS
204	Clinical potential of the mTOR targets S6K1 and S6K2 in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2011, 128, 713-723.	1.1	59
205	Remodeling of inward rectifying K ⁺ currents in rat atrial myocytes by overexpression of A1-adenosine receptors. <i>Basic Research in Cardiology</i> , 2011, 106, 953-966.	2.5	7
206	mTOR links oncogenic signaling to tumor cell metabolism. <i>Journal of Molecular Medicine</i> , 2011, 89, 221-228.	1.7	158
207	Aging and TOR: interwoven in the fabric of life. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 587-597.	2.4	32
208	Evolution of the TOR Pathway. <i>Journal of Molecular Evolution</i> , 2011, 73, 209-220.	0.8	118
209	Metformin: a new option in cancer treatment. <i>Clinical and Translational Oncology</i> , 2011, 13, 363-367.	1.2	27
210	Appearance frequency modulated gene set enrichment testing. <i>BMC Bioinformatics</i> , 2011, 12, 81.	1.2	6
211	Signaling to the ribosome in cancer—It is more than just mTORC1. <i>IUBMB Life</i> , 2011, 63, 79-85.	1.5	35
212	mTORC1- and mTORC2- interacting proteins keep their multifunctional partners focused. <i>IUBMB Life</i> , 2011, 63, 896-914.	1.5	71
213	PI3K/Akt responses to oxytocin stimulation in Caco2BB gut cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3216-3226.	1.2	16
214	Myostatin inactivation increases myotube size through regulation of translational initiation machinery. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3531-3542.	1.2	33
215	Ectopic expression of human mTOR increases viability, robustness, cell size, proliferation, and antibody production of chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , 2011, 108, 853-866.	1.7	89
216	mTOR protein localization is cell cycle-regulated. <i>Cell Cycle</i> , 2011, 10, 3608-3610.	1.3	25
217	Deficiency of hepatocystin induces autophagy through an mTOR-dependent pathway. <i>Autophagy</i> , 2011, 7, 748-759.	4.3	25
218	The Axonal Transcriptome: RNA Localization and Function. <i>Current Chemical Biology</i> , 2011, 5, .	0.2	0
219	Akt Determines Cell Fate Through Inhibition of the PERK-eIF2 γ Phosphorylation Pathway. <i>Science Signaling</i> , 2011, 4, ra62.	1.6	102
220	An Orthotopic Model of Metastatic Nasopharyngeal Carcinoma and Its Application in Elucidating a Therapeutic Target That Inhibits Metastasis. <i>Genes and Cancer</i> , 2011, 2, 1023-1033.	0.6	24
221	Targeting the Phosphatidylinositol 3-Kinase/Akt/Mammalian Target of Rapamycin Signaling Network in Cancer Stem Cells. <i>Current Medicinal Chemistry</i> , 2011, 18, 2715-2726.	1.2	109

#	ARTICLE	IF	CITATIONS
222	The insulin receptor substrate (IRS) proteins. <i>Cell Cycle</i> , 2011, 10, 1750-1756.	1.3	136
223	Transcriptional Control of Cellular Metabolism by mTOR Signaling. <i>Cancer Research</i> , 2011, 71, 2815-2820.	0.4	135
224	Inhibition of Protein Synthesis by TOR Inactivation Revealed a Conserved Regulatory Mechanism of the BiP Chaperone in <i>Chlamydomonas</i> . <i>Plant Physiology</i> , 2011, 157, 730-741.	2.3	44
225	PI3K-mTORC1 Attenuates Stress Response by Inhibiting Cap-independent Hsp70 Translation. <i>Journal of Biological Chemistry</i> , 2011, 286, 6791-6800.	1.6	44
226	Reduced AKT/mTOR signaling and protein synthesis dysregulation in a Rett syndrome animal model. <i>Human Molecular Genetics</i> , 2011, 20, 1182-1196.	1.4	202
227	Defining the role of TORC1/2 in multiple myeloma. <i>Blood</i> , 2011, 118, 6860-6870.	0.6	72
228	Spinal Phosphoinositide 3-Kinase-“Akt” Mammalian Target of Rapamycin Signaling Cascades in Inflammation-Induced Hyperalgesia. <i>Journal of Neuroscience</i> , 2011, 31, 2113-2124.	1.7	117
229	Phosphorylation of Raptor by p38 β Participates in Arsenite-induced Mammalian Target of Rapamycin Complex 1 (mTORC1) Activation. <i>Journal of Biological Chemistry</i> , 2011, 286, 31501-31511.	1.6	54
230	Translational Regulation in Nutrigenomics. <i>Advances in Nutrition</i> , 2011, 2, 511-519.	2.9	40
231	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.	3.3	144
232	Selective pharmacogenetic inhibition of mammalian target of Rapamycin complex I (mTORC1) blocks long-term synaptic plasticity and memory storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3791-3796.	3.3	194
233	Cell-Type-Dependent Regulation of mTORC1 by REDD1 and the Tumor Suppressors TSC1/TSC2 and LKB1 in Response to Hypoxia. <i>Molecular and Cellular Biology</i> , 2011, 31, 1870-1884.	1.1	70
234	mRNA Translation and Energy Metabolism in Cancer: The Role of the MAPK and mTORC1 Pathways. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2011, 76, 355-367.	2.0	77
235	Adiponectin Induces Vascular Smooth Muscle Cell Differentiation via Repression of Mammalian Target of Rapamycin Complex 1 and FoxO4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1403-1410.	1.1	71
236	Formation of the eIF4F Translation-Initiation Complex Determines Sensitivity to Anticancer Drugs Targeting the EGFR and HER2 Receptors. <i>Cancer Research</i> , 2011, 71, 4068-4073.	0.4	49
237	mTOR Signaling, Function, Novel Inhibitors, and Therapeutic Targets. <i>Journal of Nuclear Medicine</i> , 2011, 52, 497-500.	2.8	141
238	Stress puts TIA on TOP. <i>Genes and Development</i> , 2011, 25, 2119-2124.	2.7	40
239	Hypoxia and muscle maintenance regulation. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 548-553.	1.3	36

#	ARTICLE	IF	CITATIONS
240	Regulable neural progenitor-specific <i>Tsc1</i> loss yields giant cells with organellar dysfunction in a model of tuberous sclerosis complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1070-9.	3.3	155
241	ERK1/2 Phosphorylate Raptor to Promote Ras-dependent Activation of mTOR Complex 1 (mTORC1). <i>Journal of Biological Chemistry</i> , 2011, 286, 567-577.	1.6	209
242	Type I Keratin 17 Protein Is Phosphorylated on Serine 44 by p90 Ribosomal Protein S6 Kinase 1 (RSK1) in a Growth- and Stress-dependent Fashion. <i>Journal of Biological Chemistry</i> , 2011, 286, 42403-42413.	1.6	28
243	mTORC1 activation triggers the unfolded protein response in podocytes and leads to nephrotic syndrome. <i>Laboratory Investigation</i> , 2011, 91, 1584-1595.	1.7	49
244	A herpesvirus kinase that masquerades as Akt. <i>Cell Cycle</i> , 2011, 10, 2064-2068.	1.3	21
245	Could TCTP contribute to Armin Braun's paradigm of tumor reversion in plants?. <i>Cell Cycle</i> , 2011, 10, 1-1.	1.3	47
246	Inositol Pyrophosphates as Mammalian Cell Signals. <i>Science Signaling</i> , 2011, 4, re1.	1.6	137
247	Oncogenic EGFR Signaling Activates an mTORC2-NF- κ B Pathway That Promotes Chemotherapy Resistance. <i>Cancer Discovery</i> , 2011, 1, 524-538.	7.7	275
248	Phosphoinositide-3-Kinase Activation Controls Synaptogenesis and Spinogenesis in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2011, 31, 2721-2733.	1.7	121
249	Prostaglandin E2 Activates and Utilizes mTORC2 as a Central Signaling Locus for the Regulation of Mast Cell Chemotaxis and Mediator Release. <i>Journal of Biological Chemistry</i> , 2011, 286, 391-402.	1.6	68
250	Arginine Deficiency Causes Runting in the Suckling Period by Selectively Activating the Stress Kinase GCN2. <i>Journal of Biological Chemistry</i> , 2011, 286, 8866-8874.	1.6	11
251	Phosphatidic Acid Activates Mammalian Target of Rapamycin Complex 1 (mTORC1) Kinase by Displacing FK506 Binding Protein 38 (FKBP38) and Exerting an Allosteric Effect. <i>Journal of Biological Chemistry</i> , 2011, 286, 29568-29574.	1.6	115
252	mTOR Kinase Domain Phosphorylation Promotes mTORC1 Signaling, Cell Growth, and Cell Cycle Progression. <i>Molecular and Cellular Biology</i> , 2011, 31, 2787-2801.	1.1	108
253	Neutral Sphingomyelinase-2 Mediates Growth Arrest by Retinoic Acid through Modulation of Ribosomal S6 Kinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 21565-21576.	1.6	26
254	Tumorigenesis in tuberous sclerosis complex is autophagy and p62/sequestosome 1 (SQSTM1)-dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12455-12460.	3.3	175
255	mTOR-Dependent Regulation of PHLPP Expression Controls the Rapamycin Sensitivity in Cancer Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 6510-6520.	1.6	60
256	Translational control mechanisms in metabolic regulation: critical role of RNA binding proteins, microRNAs, and cytoplasmic RNA granules. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E1051-E1064.	1.8	64
257	Beyond chemotherapy: new agents for targeted treatment of lymphoma. <i>Nature Reviews Clinical Oncology</i> , 2011, 8, 85-96.	12.5	73

#	ARTICLE	IF	CITATIONS
258	Rapid non-genomic signalling by 17 β -oestradiol through c-Src involves mTOR-dependent expression of HIF-1 α in breast cancer cells. <i>British Journal of Cancer</i> , 2011, 105, 953-960.	2.9	39
259	Frontier of Epilepsy Research - mTOR signaling pathway. <i>Experimental and Molecular Medicine</i> , 2011, 43, 231.	3.2	74
260	Clinical features distinguish childhood chordoma associated with tuberous sclerosis complex (TSC) from chordoma in the general paediatric population. <i>Journal of Medical Genetics</i> , 2011, 48, 444-449.	1.5	51
261	Age-related macular degeneration: current treatment and future options. <i>Therapeutic Advances in Chronic Disease</i> , 2011, 2, 325-331.	1.1	31
262	Targeting the Mammalian Target of Rapamycin (mTOR) in Cancer Therapy: Lessons from Past and Future Perspectives. <i>Cancers</i> , 2011, 3, 2478-2500.	1.7	44
263	mTORC1 inhibition increases neurotensin secretion and gene expression through activation of the MEK/ERK/c-Jun pathway in the human endocrine cell line BON. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C213-C226.	2.1	24
264	Serum starvation: caveat emptor. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C272-C279.	2.1	219
265	TRIENNIAL GROWTH SYMPOSIUM: Leucine acts as a nutrient signal to stimulate protein synthesis in neonatal pigs 1,2. <i>Journal of Animal Science</i> , 2011, 89, 2004-2016.	0.2	39
266	Computational Modeling and Analysis of Insulin Induced Eukaryotic Translation Initiation. <i>PLoS Computational Biology</i> , 2011, 7, e1002263.	1.5	18
267	Cigarette Smoke Components Induce Matrix Metalloproteinase-1 in Aortic Endothelial Cells through Inhibition of mTOR Signaling. <i>Toxicological Sciences</i> , 2011, 123, 542-549.	1.4	70
268	Multifaceted roles of PTEN and TSC orchestrate growth and differentiation of <i>Drosophila</i> blood progenitors. <i>Development (Cambridge)</i> , 2012, 139, 3752-3763.	1.2	57
269	Mammalian target of rapamycin and the kidney. I. The signaling pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F1-F10.	1.3	52
270	A network-oriented perspective on cardiac calcium signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C897-C910.	2.1	15
271	Polysome Profiling in Liver Identifies Dynamic Regulation of Endoplasmic Reticulum Translatome by Obesity and Fasting. <i>PLoS Genetics</i> , 2012, 8, e1002902.	1.5	50
272	Anabolic signaling and protein deposition are enhanced by intermittent compared with continuous feeding in skeletal muscle of neonates. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E674-E686.	1.8	51
273	mTOR Pathway and mTOR Inhibitors in Head and Neck Cancer. <i>ISRN Otolaryngology</i> , 2012, 2012, 1-7.	0.9	20
274	Eukaryotic Initiation Factor 2 Phosphorylation and Translational Control in Metabolism. <i>Advances in Nutrition</i> , 2012, 3, 307-321.	2.9	386
275	Connecting mTORC1 signaling to SREBP-1 activation. <i>Current Opinion in Lipidology</i> , 2012, 23, 226-234.	1.2	207

#	ARTICLE	IF	CITATIONS
276	An Introduction to Phosphoinositides. <i>Current Topics in Microbiology and Immunology</i> , 2012, 362, 1-42.	0.7	17
277	Therapeutic Kinase Inhibitors. <i>Current Topics in Microbiology and Immunology</i> , 2012, , .	0.7	1
278	Measurement of Tumor VEGF-A Levels with ⁸⁹ Zr-Bevacizumab PET as an Early Biomarker for the Antiangiogenic Effect of Everolimus Treatment in an Ovarian Cancer Xenograft Model. <i>Clinical Cancer Research</i> , 2012, 18, 6306-6314.	3.2	56
279	F-Box Proteins Elongate Translation During Stress Recovery. <i>Science Signaling</i> , 2012, 5, pe25.	1.6	11
280	Activation of Cap-Dependent Translation by Mucosal Human Papillomavirus E6 Proteins Is Dependent on the Integrity of the LXXLL Binding Motif. <i>Journal of Virology</i> , 2012, 86, 7466-7472.	1.5	32
281	Found in translation of mTOR signaling. <i>Cell Research</i> , 2012, 22, 1315-1318.	5.7	12
282	PI3K p110 α /Akt Signaling Negatively Regulates Secretion of the Intestinal Peptide Neurotensin Through Interference of Granule Transport. <i>Molecular Endocrinology</i> , 2012, 26, 1380-1393.	3.7	22
283	Suppression of replicative senescence by rapamycin in rodent embryonic cells. <i>Cell Cycle</i> , 2012, 11, 2402-2407.	1.3	76
284	Translation regulation in sleep. <i>Communicative and Integrative Biology</i> , 2012, 5, 491-495.	0.6	15
285	The Many Faces of MDM2 Binding Partners. <i>Genes and Cancer</i> , 2012, 3, 226-239.	0.6	51
286	Spatial consequences of blocking mTOR/S6K: Relevance for therapy. <i>Cell Cycle</i> , 2012, 11, 420-421.	1.3	4
287	mTOR-independent 4E-BP1 phosphorylation is associated with cancer resistance to mTOR kinase inhibitors. <i>Cell Cycle</i> , 2012, 11, 594-603.	1.3	66
288	Luteinizing Hormone/Human Chorionic Gonadotropin-Mediated Activation of mTORC1 Signaling Is Required for Androgen Synthesis by Theca-Interstitial Cells. <i>Molecular Endocrinology</i> , 2012, 26, 1732-1742.	3.7	35
289	Disrupting the mTOR Signaling Network as a Potential Strategy for the Enhancement of Cancer Radiotherapy. <i>Current Cancer Drug Targets</i> , 2012, 12, 899-924.	0.8	28
290	Integrated regulation of PIKK-mediated stress responses by AAA+ proteins RUVBL1 and RUVBL2. <i>Nucleus</i> , 2012, 3, 29-43.	0.6	44
291	Amniotic fluid stem cells to study mTOR signaling in differentiation. <i>Organogenesis</i> , 2012, 8, 96-100.	0.4	2
292	Transcript abundance of hormone receptors, mammalian target of rapamycin pathway-related kinases, insulin-like growth factor I, and milk proteins in porcine mammary tissue ¹ . <i>Journal of Animal Science</i> , 2012, 90, 221-230.	0.2	21
293	mTOR-Dependent Cell Survival Mechanisms. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008771-a008771.	2.3	145

#	ARTICLE	IF	CITATIONS
294	Regulation of mRNA Translation by Signaling Pathways. Cold Spring Harbor Perspectives in Biology, 2012, 4, a012252-a012252.	2.3	146
295	Cellular and intracellular mechanisms involved in the cognitive impairment of cannabinoids. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3254-3263.	1.8	82
296	p53 is a major component of the transcriptional and apoptotic program regulated by PI 3-kinase/Akt/GSK3 signaling. Cell Death and Disease, 2012, 3, e400-e400.	2.7	41
297	Silencing of Twist1 sensitizes NSCLC cells to cisplatin via AMPK-activated mTOR inhibition. Cell Death and Disease, 2012, 3, e319-e319.	2.7	36
298	Resistance to the mTOR-inhibitor RAD001 elevates integrin β 2- and β 1-triggered motility, migration and invasion of prostate cancer cells. British Journal of Cancer, 2012, 107, 847-855.	2.9	34
299	Complex cellular functions of the von Hippel-Lindau tumor suppressor gene: insights from model organisms. Oncogene, 2012, 31, 2247-2257.	2.6	42
300	Poly(A) binding protein abundance regulates eukaryotic translation initiation factor 4F assembly in human cytomegalovirus-infected cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5627-5632.	3.3	35
301	Liver-specific p70 S6 Kinase Depletion Protects against Hepatic Steatosis and Systemic Insulin Resistance. Journal of Biological Chemistry, 2012, 287, 18769-18780.	1.6	57
302	Neuritin Activates Insulin Receptor Pathway to Up-regulate Kv4.2-mediated Transient Outward K ⁺ Current in Rat Cerebellar Granule Neurons. Journal of Biological Chemistry, 2012, 287, 41534-41545.	1.6	41
303	Regulation of the mTOR signaling network in hibernating thirteen-lined ground squirrels. Journal of Experimental Biology, 2012, 215, 1720-1727.	0.8	70
304	4E-BP1 participates in maintaining spindle integrity and genomic stability via interacting with PLK1. Cell Cycle, 2012, 11, 3463-3471.	1.3	35
305	<i>Drosophila</i> RNA polymerase III repressor Maf1 controls body size and developmental timing by modulating tRNA ^{Met} synthesis and systemic insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1139-1144.	3.3	100
306	mTOR Signaling. Cold Spring Harbor Perspectives in Biology, 2012, 4, a011593-a011593.	2.3	219
307	Target of Rapamycin Complex 2 Signals to Downstream Effector Yeast Protein Kinase 2 (Ypk2) through Adheres-Voraciously-to-Target-of-Rapamycin-2 Protein 1 (Avo1) in <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 2012, 287, 6089-6099.	1.6	23
308	Neuronostatin, a Novel Peptide Encoded by Somatostatin Gene, Regulates Cardiac Contractile Function and Cardiomyocyte Survival. Journal of Biological Chemistry, 2012, 287, 4572-4580.	1.6	21
309	GLUT10 is required for the development of the cardiovascular system and the notochord and connects mitochondrial function to TGF β 2 signaling. Human Molecular Genetics, 2012, 21, 1248-1259.	1.4	52
310	Hypergrowth mTORC1 Signals Translationally Activate the ARF Tumor Suppressor Checkpoint. Molecular and Cellular Biology, 2012, 32, 348-364.	1.1	20
311	Mechanisms of Activity of the TORC1 Inhibitor Everolimus in Waldenstrom Macroglobulinemia. Clinical Cancer Research, 2012, 18, 6609-6622.	3.2	14

#	ARTICLE	IF	CITATIONS
312	NPM-ALK: The Prototypic Member of a Family of Oncogenic Fusion Tyrosine Kinases. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-14.	2.0	28
313	Differentiation and Cell Survival of Myeloid Leukemia Cells. <i>Leukemia Research and Treatment</i> , 2012, 2012, 1-2.	2.0	1
314	PKC ζ Regulates Translation Initiation through PKR and eIF2 β in Response to Retinoic Acid in Acute Myeloid Leukemia Cells. <i>Leukemia Research and Treatment</i> , 2012, 2012, 1-17.	2.0	8
315	Intestinal Cell Kinase (ICK) Promotes Activation of mTOR Complex 1 (mTORC1) through Phosphorylation of Raptor Thr-908. <i>Journal of Biological Chemistry</i> , 2012, 287, 12510-12519.	1.6	28
316	Osmotic Stress Regulates Mammalian Target of Rapamycin (mTOR) Complex 1 via c-Jun N-terminal Kinase (JNK)-mediated Raptor Protein Phosphorylation. <i>Journal of Biological Chemistry</i> , 2012, 287, 18398-18407.	1.6	37
317	Simultaneous targeting of EGFR and mTOR inhibits the growth of colorectal carcinoma cells. <i>Oncology Reports</i> , 2012, 28, 15-20.	1.2	11
318	mTOR as a Potential Target for the Prevention and Treatment of Hepatocellular Carcinoma. <i>Current Cancer Drug Targets</i> , 2012, 12, 1045-1061.	0.8	22
319	Mitochondria and Organismal Longevity. <i>Current Genomics</i> , 2012, 13, 519-532.	0.7	76
320	Regulation of mTOR Complex 2 Signaling in Neurofibromatosis 2-deficient Target Cell Types. <i>Molecular Cancer Research</i> , 2012, 10, 649-659.	1.5	96
321	Dual mTORC1/mTORC2 inhibition diminishes Akt activation and induces Puma-dependent apoptosis in lymphoid malignancies. <i>Blood</i> , 2012, 119, 476-487.	0.6	91
322	Regulation of mast cell survival and function by tuberous sclerosis complex 1. <i>Blood</i> , 2012, 119, 3306-3314.	0.6	37
323	Regulator Is a GEF for the Rag GTPases that Signal Amino Acid Levels to mTORC1. <i>Cell</i> , 2012, 150, 1196-1208.	13.5	777
324	A Double-edged Sword with Therapeutic Potential: An Updated Role of Autophagy in Ischemic Cerebral Injury. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 879-886.	1.9	153
325	Increased phospho-mTOR expression in megakaryocytic cells derived from CD34+ progenitors of essential thrombocythaemia and myelofibrosis patients. <i>British Journal of Haematology</i> , 2012, 159, 237-240.	1.2	15
326	Gastric mucosal healing: The role of the mTor pathway. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 1414-1416.	1.4	0
327	Age-Specific Variation in Immune Response in <i>Drosophila melanogaster</i> Has a Genetic Basis. <i>Genetics</i> , 2012, 191, 989-1002.	1.2	64
328	Mammalian Target of Rapamycin (mTOR) Signaling Network in Skeletal Myogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 43928-43935.	1.6	102
329	The struggle for energy in podocytes leads to nephrotic syndrome. <i>Cell Cycle</i> , 2012, 11, 1504-1511.	1.3	17

#	ARTICLE	IF	CITATIONS
330	mTORC1 is a target of nordihydroguaiaretic acid to prevent breast tumor growth in vitro and in vivo. <i>Breast Cancer Research and Treatment</i> , 2012, 136, 379-388.	1.1	35
331	SnapShot: mTORC1 Signaling at the Lysosomal Surface. <i>Cell</i> , 2012, 151, 1390-1390.e1.	13.5	34
332	JNK3 Perpetuates Metabolic Stress Induced by A β 2 Peptides. <i>Neuron</i> , 2012, 75, 824-837.	3.8	197
333	The emerging role of mTORC1 signaling in placental nutrient-sensing. <i>Placenta</i> , 2012, 33, e23-e29.	0.7	134
334	p38 β Mediates Cell Survival in Response to Oxidative Stress via Induction of Antioxidant Genes. <i>Journal of Biological Chemistry</i> , 2012, 287, 2632-2642.	1.6	115
335	TOR Is Required for the Retrograde Regulation of Synaptic Homeostasis at the Drosophila Neuromuscular Junction. <i>Neuron</i> , 2012, 74, 166-178.	3.8	86
336	Nongenomic effects of thyroid hormones on the immune system cells: New targets, old players. <i>Steroids</i> , 2012, 77, 988-995.	0.8	90
337	Focal adhesion kinase governs cardiac concentric hypertrophic growth by activating the AKT and mTOR pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 493-501.	0.9	54
338	Rapamycin inhibiting Jurkat T cells viability through changing mRNA expression of serine/threonine protein phosphatase 2A. <i>Transplant Immunology</i> , 2012, 26, 50-54.	0.6	6
339	MAPK/ERK-Dependent Translation Factor Hyperactivation and Dysregulated Laminin β 2 Expression in Oral Dysplasia and Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2012, 180, 2462-2478.	1.9	58
340	TOR signaling is involved in PTTH-stimulated ecdysteroidogenesis by prothoracic glands in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 296-303.	1.2	69
341	Suppression of viral replication by drs tumor suppressor via mTOR dependent pathway. <i>Cancer Letters</i> , 2012, 314, 82-91.	3.2	2
342	K-Ras mutation-mediated IGF-1-induced feedback ERK activation contributes to the rapalog resistance in pancreatic ductal adenocarcinomas. <i>Cancer Letters</i> , 2012, 322, 58-69.	3.2	24
343	Leucyl-tRNA Synthetase Is an Intracellular Leucine Sensor for the mTORC1-Signaling Pathway. <i>Cell</i> , 2012, 149, 410-424.	13.5	672
344	mTOR Signaling in Growth Control and Disease. <i>Cell</i> , 2012, 149, 274-293.	13.5	7,066
345	PI3K-Akt-mTORC1-S6K1/2 Axis Controls Th17 Differentiation by Regulating Gfi1 Expression and Nuclear Translocation of ROR γ 3. <i>Cell Reports</i> , 2012, 1, 360-373.	2.9	283
346	TOR Signaling and Rapamycin Influence Longevity by Regulating SKN-1/Nrf and DAF-16/FoxO. <i>Cell Metabolism</i> , 2012, 15, 713-724.	7.2	533
347	Nutrient/TOR-dependent regulation of RNA polymerase III controls tissue and organismal growth in <i>Drosophila</i> . <i>EMBO Journal</i> , 2012, 31, 1916-1930.	3.5	84

#	ARTICLE	IF	CITATIONS
348	Advancing age is associated with gene expression changes resembling mTOR inhibition: Evidence from two human populations. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 556-562.	2.2	54
349	The G Protein-Coupled Taste Receptor T1R1/T1R3 Regulates mTORC1 and Autophagy. <i>Molecular Cell</i> , 2012, 47, 851-862.	4.5	160
350	Enhancement of recombinant human EPO production and glycosylation in serum-free suspension culture of CHO cells through expression and supplementation of 30Kc19. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 671-683.	1.7	29
351	Translational control of cell fate: From integration of environmental signals to breaching anticancer defense. <i>Cell Cycle</i> , 2012, 11, 1097-1107.	1.3	32
352	Regulation and function of ribosomal protein S6 kinase (S6K) within mTOR signalling networks. <i>Biochemical Journal</i> , 2012, 441, 1-21.	1.7	816
353	The 5' untranslated region of the soybean cytosolic glutamine synthetase β 1 gene contains prokaryotic translation initiation signals and acts as a translational enhancer in plants. <i>Molecular Genetics and Genomics</i> , 2012, 287, 881-893.	1.0	17
354	Retrograde Changes in Presynaptic Function Driven by Dendritic mTORC1. <i>Journal of Neuroscience</i> , 2012, 32, 17128-17142.	1.7	67
355	The promise of mTOR inhibitors in the treatment of colorectal cancer. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1775-1788.	1.9	26
356	Neuron-Intrinsic Inhibitors of Axon Regeneration. <i>International Review of Neurobiology</i> , 2012, 105, 141-173.	0.9	29
357	Targeting the intragraft microenvironment and the development of chronic allograft rejection. <i>Human Immunology</i> , 2012, 73, 1261-1268.	1.2	18
358	IL-33 induces innate lymphoid cell-mediated airway inflammation by activating mammalian target of rapamycin. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 1159-1166.e6.	1.5	106
359	Keloid Disease Can Be Inhibited by Antagonizing Excessive mTOR Signaling With a Novel Dual TORC1/2 Inhibitor. <i>American Journal of Pathology</i> , 2012, 181, 1642-1658.	1.9	43
360	Inhibition of tumor cell growth by Sigma1 ligand mediated translational repression. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 177-182.	1.0	25
361	Common pathways for growth and for plasticity. <i>Current Opinion in Neurobiology</i> , 2012, 22, 405-411.	2.0	19
362	Turning promise into progress for antiangiogenic agents in epithelial ovarian cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2012, 84, 224-242.	2.0	8
363	LST8 level controls basal p70 S6 kinase and Akt phosphorylations, and mTORC1 and mTORC2 negatively regulate each other by competing for association with LST8. <i>Obesity Research and Clinical Practice</i> , 2012, 6, e215-e224.	0.8	2
364	HIF1 α Acts as an mTORC1 Activator through the Amino Acid Carrier SLC7A5. <i>Molecular Cell</i> , 2012, 48, 681-691.	4.5	170
365	Role of canonical Wnt signaling in endometrial carcinogenesis. <i>Expert Review of Anticancer Therapy</i> , 2012, 12, 51-62.	1.1	51

#	ARTICLE	IF	CITATIONS
366	Inhibition of PI3K-Akt-mTOR Signaling in Glioblastoma by mTORC1/2 Inhibitors. <i>Methods in Molecular Biology</i> , 2012, 821, 349-359.	0.4	51
367	Neural Regeneration: Lessons from Regenerating and Non-regenerating Systems. <i>Molecular Neurobiology</i> , 2012, 46, 227-241.	1.9	12
368	Failure of Amino Acid Homeostasis Causes Cell Death following Proteasome Inhibition. <i>Molecular Cell</i> , 2012, 48, 242-253.	4.5	264
369	Hippo-YAP and mTOR pathways collaborate to regulate organ size. <i>Nature Cell Biology</i> , 2012, 14, 1244-1245.	4.6	66
370	5-aminosalicylic acid inhibits cell cycle progression in a phospholipase D dependent manner in colorectal cancer. <i>Gut</i> , 2012, 61, 1708-1715.	6.1	27
371	Substance Ontology Cannot Determine the Moral Status of Embryos. <i>Journal of Medicine and Philosophy</i> , 2012, 37, 331-350.	0.4	23
372	Characterization and Regulation of Mechanical Loading-Induced Compensatory Muscle Hypertrophy. , 2012, 2, 2829-2870.		77
373	Estrogenic regulation of S6K1 expression creates a positive regulatory loop in control of breast cancer cell proliferation. <i>Oncogene</i> , 2012, 31, 5073-5080.	2.6	64
374	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , 2012, 43, 2561-2567.	1.2	29
375	Actions and interactions of AMPK with insulin, the peroxisomal-proliferator activated receptors and sirtuins. <i>Expert Review of Endocrinology and Metabolism</i> , 2012, 7, 191-208.	1.2	3
376	Adaptive Response, Evidence of Cross-Resistance and Its Potential Clinical Use. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10771-10806.	1.8	74
377	mTOR Activity Under Hypoxia. <i>Methods in Molecular Biology</i> , 2012, 821, 45-58.	0.4	41
378	YB-1 Synthesis Is Regulated by mTOR Signaling Pathway. <i>PLoS ONE</i> , 2012, 7, e52527.	1.1	30
379	The Interaction between Early Life Epilepsy and Autistic-Like Behavioral Consequences: A Role for the Mammalian Target of Rapamycin (mTOR) Pathway. <i>PLoS ONE</i> , 2012, 7, e35885.	1.1	157
380	mTOR Is Essential for the Proteotoxic Stress Response, HSF1 Activation and Heat Shock Protein Synthesis. <i>PLoS ONE</i> , 2012, 7, e39679.	1.1	187
381	Targeted Silencing of Elongation Factor 2 Kinase Suppresses Growth and Sensitizes Tumors to Doxorubicin in an Orthotopic Model of Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e41171.	1.1	95
382	Protective Role of p70S6K in Intestinal Ischemia/Reperfusion Injury in Mice. <i>PLoS ONE</i> , 2012, 7, e41584.	1.1	22
383	PTEN/Akt Signaling Controls Mitochondrial Respiratory Capacity through 4E-BP1. <i>PLoS ONE</i> , 2012, 7, e45806.	1.1	81

#	ARTICLE	IF	CITATIONS
384	Conditional Astroglial Rictor Overexpression Induces Malignant Glioma in Mice. PLoS ONE, 2012, 7, e47741.	1.1	46
385	The TSC1/2 Complex Controls Drosophila Pigmentation through TORC1-Dependent Regulation of Catecholamine Biosynthesis. PLoS ONE, 2012, 7, e48720.	1.1	10
386	Receptor-Recognized Î±2-Macroglobulin Binds to Cell Surface-Associated GRP78 and Activates mTORC1 and mTORC2 Signaling in Prostate Cancer Cells. PLoS ONE, 2012, 7, e51735.	1.1	33
387	RagD gene expression and NRF2 mutations in lung squamous cell carcinomas. Oncology Letters, 2012, 4, 1167-1170.	0.8	19
388	The Target of Rapamycin: Structure and Functions. , 2012, , .		4
389	Treating metastatic soft-tissue or bone sarcomas – potential role of ridaforolimus. OncoTargets and Therapy, 2012, 5, 153.	1.0	9
390	The functions and regulation of the PTEN tumour suppressor. Nature Reviews Molecular Cell Biology, 2012, 13, 283-296.	16.1	1,638
391	Distinct perturbation of the translome by the antidiabetic drug metformin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8977-8982.	3.3	169
392	mTORC1 and the regulation of skeletal muscle anabolism and mass. Applied Physiology, Nutrition and Metabolism, 2012, 37, 395-406.	0.9	28
393	Control of viral latency in neurons by axonal mTOR signaling and the 4E-BP translation repressor. Genes and Development, 2012, 26, 1527-1532.	2.7	72
394	Activated mTOR/P70S6K signaling pathway is involved in insulinoma tumorigenesis. Journal of Surgical Oncology, 2012, 106, 972-980.	0.8	15
395	Regulation of Immune Responses by mTOR. Annual Review of Immunology, 2012, 30, 39-68.	9.5	689
396	State of the Science: An Update on Renal Cell Carcinoma. Molecular Cancer Research, 2012, 10, 859-880.	1.5	142
397	Regulation of cytoplasmic mRNA decay. Nature Reviews Genetics, 2012, 13, 246-259.	7.7	542
398	Regulation of Neuronal mRNA Translation by CaM-Kinase I Phosphorylation of eIF4GII. Journal of Neuroscience, 2012, 32, 5620-5630.	1.7	20
399	The Transcription Factor TFEB Links mTORC1 Signaling to Transcriptional Control of Lysosome Homeostasis. Science Signaling, 2012, 5, ra42.	1.6	1,017
400	Staying alive. Cell Cycle, 2012, 11, 1680-1696.	1.3	211
401	Chrelin contributes to derangements of glucose metabolism induced by rapamycin in mice. Diabetologia, 2012, 55, 1813-1823.	2.9	35

#	ARTICLE	IF	CITATIONS
402	Modulation of mTOR Effector Phosphoproteins in Blood Basophils from Allergic Patients. <i>Journal of Clinical Immunology</i> , 2012, 32, 565-573.	2.0	4
403	Understanding the mechanistic roles of 30Kc6 gene in apoptosis and specific productivity in antibody-producing Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1243-1253.	1.7	9
404	Possible Dual Regulatory Circuits Involving AtS6K1 in the Regulation of Plant Cell Cycle and Growth. <i>Molecules and Cells</i> , 2012, 33, 487-496.	1.0	20
405	Heat shock protein 90 regulates phosphatidylinositol 3-kinase-related protein kinase family proteins together with the RUVBL1/2 and Tel2-containing co-factor complex. <i>Cancer Science</i> , 2012, 103, 50-57.	1.7	44
406	Targeted immunosuppression: No longer naïve. <i>Clinical Immunology</i> , 2012, 142, 95-96.	1.4	0
407	Protein Synthesis during Sleep Consolidates Cortical Plasticity In Vivo. <i>Current Biology</i> , 2012, 22, 676-682.	1.8	142
408	Organ Size Control by Hippo and TOR Pathways. <i>Current Biology</i> , 2012, 22, R368-R379.	1.8	167
409	eIF4F complex disruption causes protein synthesis inhibition during hypoxia in nerve growth factor (NGF)-differentiated PC12 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 430-438.	1.9	10
410	Sulforaphane, a cruciferous vegetable-derived isothiocyanate, inhibits protein synthesis in human prostate cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1295-1305.	1.9	50
411	Inhibition of tumor cell growth, proliferation and migration by X-387, a novel active-site inhibitor of mTOR. <i>Biochemical Pharmacology</i> , 2012, 83, 1183-1194.	2.0	16
412	Cyclosporin A suppresses prostate cancer cell growth through CaMKK β /AMPK-mediated inhibition of mTORC1 signaling. <i>Biochemical Pharmacology</i> , 2012, 84, 425-431.	2.0	26
413	TORC1 of fission yeast is rapamycin-sensitive. <i>Genes To Cells</i> , 2012, 17, 698-708.	0.5	45
414	Expression of anti-apoptotic 30Kc6 gene inhibiting hyperosmotic pressure-induced apoptosis in antibody-producing Chinese hamster ovary cells. <i>Process Biochemistry</i> , 2012, 47, 735-741.	1.8	8
415	Antitumor activities of ATP-competitive inhibitors of mTOR in colon cancer cells. <i>BMC Cancer</i> , 2012, 12, 86.	1.1	39
416	AMPK promotes skeletal muscle autophagy through activation of forkhead FoxO3a and interaction with Ulk1. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 695-710.	1.2	259
417	New developments in mammalian target of rapamycin inhibitors for the treatment of sarcoma. <i>Cancer</i> , 2012, 118, 1486-1497.	2.0	21
418	RSK regulates activated BRAF signalling to mTORC1 and promotes melanoma growth. <i>Oncogene</i> , 2013, 32, 2917-2926.	2.6	56
419	Control of cell growth: Rag GTPases in activation of TORC1. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2873-2885.	2.4	10

#	ARTICLE	IF	CITATIONS
420	Reduced mammalian target of rapamycin activity facilitates mitochondrial retrograde signaling and increases life span in normal human fibroblasts. <i>Aging Cell</i> , 2013, 12, 966-977.	3.0	106
423	mTOR and vascular remodeling in lung diseases: current challenges and therapeutic prospects. <i>FASEB Journal</i> , 2013, 27, 1796-1807.	0.2	57
424	Control of oncogenesis by eIF2 \pm phosphorylation: implications in PTEN and PI3K \rightarrow Akt signaling and tumor treatment. <i>Future Oncology</i> , 2013, 9, 1005-1015.	1.1	26
425	Role of PI3K-AKT-mTOR and Wnt Signaling Pathways in Transition of G1-S Phase of Cell Cycle in Cancer Cells. <i>Frontiers in Oncology</i> , 2013, 3, 85.	1.3	96
426	The Role of AKT/mTOR Pathway in Stress Response to UV-Irradiation: Implication in Skin Carcinogenesis by Regulation of Apoptosis, Autophagy and Senescence. <i>International Journal of Molecular Sciences</i> , 2013, 14, 15260-15285.	1.8	126
427	Dysfunction of the mTOR pathway is a risk factor for Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2013, 1, 3.	2.4	55
428	Resistance exercise, but not endurance exercise, induces IKK β phosphorylation in human skeletal muscle of training-accustomed individuals. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1785-1795.	1.3	23
429	Expression and phosphorylation of translation regulatory protein 4E-binding protein (BP)-1 in low-risk diffuse large B cell lymphoma. <i>Journal of Hematopathology</i> , 2013, 6, 121-126.	0.2	0
430	Overexpression of heat shock factor 1 phenocopies the effect of chronic inhibition of TOR by rapamycin and is sufficient to ameliorate Alzheimer's-like deficits in mice modeling the disease. <i>Journal of Neurochemistry</i> , 2013, 124, 880-893.	2.1	72
431	Nutritional and Physiological Functions of Amino Acids in Pigs. , 2013, , .		10
432	Autophagy and Cellular Immune Responses. <i>Immunity</i> , 2013, 39, 211-227.	6.6	359
433	Cancer Biology: Some Causes for a Variety of Different Diseases. , 2013, , 121-159.		1
434	Phosphorylation of nuclear and cytoplasmic pools of ribosomal protein S6 during cell cycle progression. <i>Amino Acids</i> , 2013, 44, 1233-1240.	1.2	7
435	Translatome analysis of CHO cells to identify key growth genes. <i>Journal of Biotechnology</i> , 2013, 167, 215-224.	1.9	28
436	ERK1/2-dependent activation of mTOR/mTORC1/p70S6K regulates thrombin-induced RPE cell proliferation. <i>Cellular Signalling</i> , 2013, 25, 829-838.	1.7	38
437	Activation of mTOR in the spinal cord is required for pain hypersensitivity induced by chronic constriction injury in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 111, 64-70.	1.3	45
438	Insights into the TOR-S6K Signaling Pathway in Maize (<i>Zea mays</i> L.). Pathway Activation by Effector-Receptor Interaction. <i>Biochemistry</i> , 2013, 52, 9129-9140.	1.2	10
439	Mechanisms Modulating Skeletal Muscle Phenotype. , 2013, 3, 1645-1687.		191

#	ARTICLE	IF	CITATIONS
440	A Tumor Suppressor Complex with GAP Activity for the Rag GTPases That Signal Amino Acid Sufficiency to mTORC1. <i>Science</i> , 2013, 340, 1100-1106.	6.0	863
441	mTOR complexes in neurodevelopmental and neuropsychiatric disorders. <i>Nature Neuroscience</i> , 2013, 16, 1537-1543.	7.1	316
442	Sin1 phosphorylation impairs mTORC2 complex integrity and inhibits downstream Akt signalling to suppress tumorigenesis. <i>Nature Cell Biology</i> , 2013, 15, 1340-1350.	4.6	216
443	Mammalian target of rapamycin-independent S6K1 and 4E-BP1 phosphorylation during contraction in rat skeletal muscle. <i>Cellular Signalling</i> , 2013, 25, 1877-1886.	1.7	48
444	A Novel Hap1â€“Tsc1 Interaction Regulates Neuronal mTORC1 Signaling and Morphogenesis in the Brain. <i>Journal of Neuroscience</i> , 2013, 33, 18015-18021.	1.7	16
445	Less is more: improving proteostasis by translation slow down. <i>Trends in Biochemical Sciences</i> , 2013, 38, 585-591.	3.7	78
446	Prognostic Significance of MTOR Pathway Component Expression in Neuroendocrine Tumors. <i>Journal of Clinical Oncology</i> , 2013, 31, 3418-3425.	0.8	86
447	Phosphoinositide 3-kinases as accelerators and brakes of autophagy. <i>FEBS Journal</i> , 2013, 280, 6322-6337.	2.2	73
448	RESTRICTED PLEIOTROPY FACILITATES MUTATIONAL EROSION OF MAJOR LIFE-HISTORY TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3077-3086.	1.1	29
449	Viscera and muscle protein synthesis in neonatal pigs is increased more by intermittent bolus than by continuous feeding. <i>Pediatric Research</i> , 2013, 74, 154-162.	1.1	15
450	The role of c-Src in integrin (β 24) dependent translational control. <i>BMC Cell Biology</i> , 2013, 14, 49.	3.0	12
451	Renal cell carcinoma: translational aspects of metabolism and therapeutic consequences. <i>Kidney International</i> , 2013, 84, 667-681.	2.6	28
452	The Molecular Biology of Renal Cell Carcinoma. <i>Seminars in Oncology</i> , 2013, 40, 421-428.	0.8	40
453	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. <i>Cancer Research</i> , 2013, 73, 2574-2586.	0.4	170
454	Mammalian target of rapamycin signalling modulates amino acid uptake by regulating transporter cell surface abundance in primary human trophoblast cells. <i>Journal of Physiology</i> , 2013, 591, 609-625.	1.3	152
455	Pan-Mammalian Target of Rapamycin (mTOR) Inhibitor AZD8055 Primes Rhabdomyosarcoma Cells for ABT-737-induced Apoptosis by Down-regulating Mcl-1 Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 35287-35296.	1.6	57
456	Where is mTOR and what is it doing there?. <i>Journal of Cell Biology</i> , 2013, 203, 563-574.	2.3	454
457	Activation of calcium signaling through Trpv1 by nNOS and peroxynitrite as a key trigger of skeletal muscle hypertrophy. <i>Nature Medicine</i> , 2013, 19, 101-106.	15.2	244

#	ARTICLE	IF	CITATIONS
458	Amino acid sensing in dietary-restriction-mediated longevity: roles of signal-transducing kinases GCN2 and TOR. <i>Biochemical Journal</i> , 2013, 449, 1-10.	1.7	209
459	mTORC1 and p53. <i>Cell Cycle</i> , 2013, 12, 20-25.	1.3	79
460	Cotranslational Response to Proteotoxic Stress by Elongation Pausing of Ribosomes. <i>Molecular Cell</i> , 2013, 49, 453-463.	4.5	230
461	ADAMTS9 is a functional tumor suppressor through inhibiting AKT/mTOR pathway and associated with poor survival in gastric cancer. <i>Oncogene</i> , 2013, 32, 3319-3328.	2.6	108
462	Cellular Entry of Human Papillomavirus Type 16 Involves Activation of the Phosphatidylinositol 3-Kinase/Akt/mTOR Pathway and Inhibition of Autophagy. <i>Journal of Virology</i> , 2013, 87, 2508-2517.	1.5	194
463	Deciphering the mechanism underlying late-onset Alzheimer disease. <i>Nature Reviews Neurology</i> , 2013, 9, 25-34.	4.9	415
464	IPD-196, a novel phosphatidylinositol 3-kinase inhibitor with potent anticancer activity against hepatocellular carcinoma. <i>Cancer Letters</i> , 2013, 329, 99-108.	3.2	11
465	mTOR kinase, a key player in the regulation of glial functions: Relevance for the therapy of multiple sclerosis. <i>Glia</i> , 2013, 61, 301-311.	2.5	82
466	Rapamycin Resistance: mTORC1 Substrates Hold Some of the Answers. <i>Current Biology</i> , 2013, 23, R880-R883.	1.8	28
467	Jurkat cell proliferation is suppressed by Chlamydia (<i>Chlamydomphila</i>) pneumoniae infection accompanied with attenuation of phosphorylation at Thr389 of host cellular p70S6K. <i>Immunobiology</i> , 2013, 218, 527-532.	0.8	4
468	Oxytocin modulates mTORC1 pathway in the gut. <i>Biochemical and Biophysical Research Communications</i> , 2013, 432, 466-471.	1.0	31
469	Mechanistic target protein of rapamycin signaling in hematopoietic stem cells and leukemia. <i>Cancer Science</i> , 2013, 104, 977-982.	1.7	22
470	Somatic cells regulate maternal mRNA translation and developmental competence of mouse oocytes. <i>Nature Cell Biology</i> , 2013, 15, 1415-1423.	4.6	128
471	Modelling the effect of GRP78 on anti-oestrogen sensitivity and resistance in breast cancer. <i>Interface Focus</i> , 2013, 3, 20130012.	1.5	26
472	Primary cilia and kidney injury: current research status and future perspectives. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1085-F1098.	1.3	46
473	Discovery of 5-Substituted Pyrrolo[2,3-d<math>\langle i>pyrimidine</i>] Antifolates as Dual-Acting Inhibitors of Glycinamide Ribonucleotide Formyltransferase and 5-Aminoimidazole-4-carboxamide Ribonucleotide Formyltransferase in De Novo Purine Nucleotide Biosynthesis: Implications of Inhibiting 5-Aminoimidazole-4-carboxamide Ribonucleotide Formyltransferase to AMPK Activation and Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 18916-18932.	2.9	33
474	Mindin is a critical mediator of ischemic brain injury in an experimental stroke model. <i>Experimental Neurology</i> , 2013, 247, 506-516.	2.0	28
475	Intermittent hypoxia training after C2 hemisection modifies the expression of PTEN and mTOR. <i>Experimental Neurology</i> , 2013, 248, 45-52.	2.0	12

#	ARTICLE	IF	CITATIONS
476	Stimulatory effect of insulin on theca-interstitial cell proliferation and cell cycle regulatory proteins through MTORC1 dependent pathway. <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 81-89.	1.6	25
477	Activation of the mTOR pathway by the amino acid l-leucine in the 5q- syndrome and other ribosomopathies. <i>Advances in Biological Regulation</i> , 2013, 53, 8-17.	1.4	33
478	TCDD induces the expression of insulin-like growth factor binding protein 4 in 5L rat hepatoma cells: A cautionary tale of the use of this cell line in studies on dioxin toxicity. <i>Toxicology</i> , 2013, 309, 107-116.	2.0	2
479	Dual Specificity Kinase DYRK3 Couples Stress Granule Condensation/Dissolution to mTORC1 Signaling. <i>Cell</i> , 2013, 152, 791-805.	13.5	488
480	Role for the obesity-related <i>FTO</i> gene in the cellular sensing of amino acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2557-2562.	3.3	150
481	Sterol regulatory element binding protein-dependent regulation of lipid synthesis supports cell survival and tumor growth. <i>Cancer & Metabolism</i> , 2013, 1, 3.	2.4	207
482	Systemic analysis of inducible target of rapamycin mutants reveal a general metabolic switch controlling growth in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2013, 73, 897-909.	2.8	205
483	Nutrient signaling to mTOR and cell growth. <i>Trends in Biochemical Sciences</i> , 2013, 38, 233-242.	3.7	327
484	Targeting the eIF4A RNA helicase blocks translation of the MUC1-C oncoprotein. <i>Oncogene</i> , 2013, 32, 2179-2188.	2.6	35
485	Translation of HTT mRNA with expanded CAG repeats is regulated by the MID1-PP2A protein complex. <i>Nature Communications</i> , 2013, 4, 1511.	5.8	84
486	Translational Control in Cancer Etiology. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012336-a012336.	2.3	294
487	mTORC2 controls actin polymerization required for consolidation of long-term memory. <i>Nature Neuroscience</i> , 2013, 16, 441-448.	7.1	276
488	Autophagy: a targetable linchpin of cancer cell metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 209-217.	3.1	53
489	TOR and S6K1 promote translation reinitiation of uORF-containing mRNAs via phosphorylation of eIF3h. <i>EMBO Journal</i> , 2013, 32, 1087-1102.	3.5	235
490	ATRA and the specific RAR α agonist, NRX195183, have opposing effects on the clonogenicity of pre-leukemic murine AML1-ETO bone marrow cells. <i>Leukemia</i> , 2013, 27, 1369-1380.	3.3	18
491	The evolution of the TOR pathway and its role in cancer. <i>Oncogene</i> , 2013, 32, 3923-3932.	2.6	136
492	Maternal postnatal high-fat diet, rather than gestational diet, affects morphology and mTOR pathway in skeletal muscle of weaning rat. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1340-1348.	1.9	14
493	A Novel Role of Cytosolic Protein Synthesis Inhibition in Aminoglycoside Ototoxicity. <i>Journal of Neuroscience</i> , 2013, 33, 3079-3093.	1.7	59

#	ARTICLE	IF	CITATIONS
494	mTOR kinase structure, mechanism and regulation. <i>Nature</i> , 2013, 497, 217-223.	13.7	805
495	Rejuvenating SIRT1 Activators. <i>Cell Metabolism</i> , 2013, 17, 635-637.	7.2	15
496	The Relationship between Metabolism and the Autophagy Machinery during the Innate Immune Response. <i>Cell Metabolism</i> , 2013, 17, 895-900.	7.2	58
497	Nutrient Regulation of the mTOR Complex 1 Signaling Pathway. <i>Molecules and Cells</i> , 2013, 35, 463-473.	1.0	221
498	Nutrient Sensing, Metabolism, and Cell Growth Control. <i>Molecular Cell</i> , 2013, 49, 379-387.	4.5	285
499	WNT-LRP5 Signaling Induces Warburg Effect through mTORC2 Activation during Osteoblast Differentiation. <i>Cell Metabolism</i> , 2013, 17, 745-755.	7.2	294
500	PTEN in Prostate Cancer. , 2013, , 87-137.		2
501	Signal integration by mTORC1 coordinates nutrient input with biosynthetic output. <i>Nature Cell Biology</i> , 2013, 15, 555-564.	4.6	595
502	Autism genetics. <i>Behavioural Brain Research</i> , 2013, 251, 95-112.	1.2	218
503	Insulin receptor substrateâ€1 (IRSâ€1) forms a ribonucleoprotein complex associated with polysomes. <i>FEBS Letters</i> , 2013, 587, 2319-2324.	1.3	11
504	Next generation of mammalian target of rapamycin inhibitors for the treatment of cancer. <i>Expert Opinion on Investigational Drugs</i> , 2013, 22, 715-722.	1.9	16
505	mTORC1 Signaling Aids in CADalyzing Pyrimidine Biosynthesis. <i>Cell Metabolism</i> , 2013, 17, 633-635.	7.2	11
506	Targeting phosphatidylinositol 3-kinase signaling in acute myelogenous leukemia. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 921-936.	1.5	15
507	Diurnal Changes of Polysome Loading Track Sucrose Content in the Rosette of Wild-Type Arabidopsis and the Starchless <i>pgm</i> Mutant. <i>Plant Physiology</i> , 2013, 162, 1246-1265.	2.3	133
508	RNA Interference-Mediated Repression of S6 Kinase 1 Impairs Root Nodule Development in Soybean. <i>Molecules and Cells</i> , 2013, 35, 243-248.	1.0	7
509	A novel chemical screening strategy in zebrafish identifies common pathways in embryogenesis and rhabdomyosarcoma development. <i>Development (Cambridge)</i> , 2013, 140, 2354-2364.	1.2	53
510	Exploiting mTOR Signaling: A Novel Translatable Treatment Strategy for Traumatic Optic Neuropathy?. , 2013, 54, 6903.		59
511	Protein Phosphatase PPM1G Regulates Protein Translation and Cell Growth by Dephosphorylating 4E Binding Protein 1 (4E-BP1). <i>Journal of Biological Chemistry</i> , 2013, 288, 23225-23233.	1.6	33

#	ARTICLE	IF	CITATIONS
512	Overlapped Metabolic and Therapeutic Links between Alzheimer and Diabetes. <i>Molecular Neurobiology</i> , 2013, 47, 399-424.	1.9	71
513	Actin filament dynamics impacts keratinocyte stem cell maintenance. <i>EMBO Molecular Medicine</i> , 2013, 5, 640-653.	3.3	46
514	Acute myeloid leukemia: potential for new therapeutic approaches targeting mRNA translation pathways. <i>International Journal of Hematologic Oncology</i> , 2013, 2, 243-250.	0.7	5
515	Synergistic Antiproliferative and Antiangiogenic Effects of EGFR and mTOR Inhibitors. <i>Current Pharmaceutical Design</i> , 2013, 19, 918-926.	0.9	9
516	Small-molecule COH-SR4 inhibits adipocyte differentiation via AMPK activation. <i>International Journal of Molecular Medicine</i> , 2013, 31, 1166-1176.	1.8	37
517	Nutrient Signaling in Protein Homeostasis: An Increase in Quantity at the Expense of Quality. <i>Science Signaling</i> , 2013, 6, ra24.	1.6	61
518	Mammalian Target of Rapamycin Complex 1 (mTORC1) Plays a Role in Pasteurella multocida Toxin (PMT)-induced Protein Synthesis and Proliferation in Swiss 3T3 Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 2805-2815.	1.6	14
519	Lumen LPS inhibits HCO ₃ ⁻ absorption in the medullary thick ascending limb through TLR4-PI3K-Akt-mTOR-dependent inhibition of basolateral Na ⁺ /H ⁺ exchange. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F451-F462.	1.3	26
520	Make Yourself at Home: Viral Hijacking of the PI3K/Akt Signaling Pathway. <i>Viruses</i> , 2013, 5, 3192-3212.	1.5	163
521	Sugar metabolism and the plant target of rapamycin kinase: a sweet operaTOR?. <i>Frontiers in Plant Science</i> , 2013, 4, 93.	1.7	79
522	Rheb Activation in Subventricular Zone Progenitors Leads to Heterotopia, Ectopic Neuronal Differentiation, and Rapamycin-Sensitive Olfactory Micronodules and Dendrite Hypertrophy of Newborn Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 2419-2431.	1.7	44
523	Short-Term Treatment With Rapamycin and Dietary Restriction Have Overlapping and Distinctive Effects in Young Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 108-116.	1.7	56
524	Dual PI3K/AKT/mTOR Inhibitor BEZ235 Synergistically Enhances the Activity of JAK2 Inhibitor against Cultured and Primary Human Myeloproliferative Neoplasm Cells. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 577-588.	1.9	94
525	Assessment of Mitochondrial Biogenesis and mTORC1 Signaling During Chronic Rapamycin Feeding in Male and Female Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 1493-1501.	1.7	84
526	Dietary protein decreases exercise endurance through rapamycin-sensitive suppression of muscle mitochondria. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E776-E784.	1.8	12
527	Distinct responses of protein turnover regulatory pathways in hypoxia- and semistarvation-induced muscle atrophy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 305, L82-L91.	1.3	37
528	Modulation of Inflammatory Gene Expression by the Ribotoxin Deoxynivalenol Involves Coordinate Regulation of the Transcriptome and Translatome. <i>Toxicological Sciences</i> , 2013, 131, 153-163.	1.4	25
529	The Circadian Clock Coordinates Ribosome Biogenesis. <i>PLoS Biology</i> , 2013, 11, e1001455.	2.6	243

#	ARTICLE	IF	CITATIONS
530	eIF4EBP3L Acts as a Gatekeeper of TORC1 In Activity-Dependent Muscle Growth by Specifically Regulating Mef2ca Translational Initiation. PLoS Biology, 2013, 11, e1001679.	2.6	35
531	A dual mTORC1 and mTORC2 inhibitor shows antitumor activity in esophageal squamous cell carcinoma cells and sensitizes them to cisplatin. Anti-Cancer Drugs, 2013, 24, 889-898.	0.7	23
532	Rheb/mTORC1 Signaling Promotes Kidney Fibroblast Activation and Fibrosis. Journal of the American Society of Nephrology: JASN, 2013, 24, 1114-1126.	3.0	75
533	Mechanistic target of rapamycin controls homeostasis of adipogenesis. Journal of Lipid Research, 2013, 54, 2166-2173.	2.0	34
534	Novel Role for SHP-2 in Nutrient-Responsive Control of S6 Kinase 1 Signaling. Molecular and Cellular Biology, 2013, 33, 293-306.	1.1	24
535	Autisms. , 2013, , 651-694.		9
536	Glucagon-Like Peptide-1 and Its Implications in Obesity. , 0, , .		4
537	Highly multiplexed single-cell analysis of formalin-fixed, paraffin-embedded cancer tissue. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11982-11987.	3.3	605
538	Integration of mTOR and estrogen-ERK2 signaling in lymphangiogenesis pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14960-14965.	3.3	60
539	XPLN is an endogenous inhibitor of mTORC2. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15979-15984.	3.3	38
540	Dysregulated mTORC1 renders cells critically dependent on desaturated lipids for survival under tumor-like stress. Genes and Development, 2013, 27, 1115-1131.	2.7	170
541	Current and Future Therapeutic Approaches for Metastatic Pheochromocytoma and Paraganglioma: Focus on SDHB Tumors. Hormone and Metabolic Research, 2013, 45, 147-153.	0.7	29
542	mTOR Inhibition: From Aging to Autism and Beyond. Scientifica, 2013, 2013, 1-17.	0.6	51
543	Cap dependent translation contributes to resistance of myeloma cells to bortezomib. Translation, 2013, 1, e27245.	2.9	3
544	Downregulation of PHLPP Expression Contributes to Hypoxia-Induced Resistance to Chemotherapy in Colon Cancer Cells. Molecular and Cellular Biology, 2013, 33, 4594-4605.	1.1	40
545	Phosphorylation of eIF4GII and 4E-BP1 in response to nocodazole treatment: A reappraisal of translation initiation during mitosis. Cell Cycle, 2013, 12, 3615-3628.	1.3	44
546	S6K1 and E2FB are in mutually antagonistic regulatory links controlling cell growth and proliferation in Arabidopsis. Plant Signaling and Behavior, 2013, 8, e24367.	1.2	17
547	Evolutionarily conserved regulation of TOR signalling. Journal of Biochemistry, 2013, 154, 1-10.	0.9	48

#	ARTICLE	IF	CITATIONS
548	New Strategies in Endometrial Cancer: Targeting the PI3K/mTOR Pathwayâ€”The Devil Is in the Details. <i>Clinical Cancer Research</i> , 2013, 19, 5264-5274.	3.2	51
549	Regulation of Mammalian Target of Rapamycin Complex 1 by Bcl-2 and Bcl-XL Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 28824-28830.	1.6	17
550	Recruitment of folliculin to lysosomes supports the amino acidâ€”dependent activation of Rag GTPases. <i>Journal of Cell Biology</i> , 2013, 202, 1107-1122.	2.3	286
551	SYK regulates mTOR signaling in AML. <i>Leukemia</i> , 2013, 27, 2118-2128.	3.3	44
552	Distinct amino acidâ€”sensing mTOR pathways regulate skeletal myogenesis. <i>Molecular Biology of the Cell</i> , 2013, 24, 3754-3763.	0.9	40
553	Capsaicin mimics mechanical load-induced intracellular signaling events. <i>Channels</i> , 2013, 7, 221-224.	1.5	46
554	SAD-A and AMPK kinases: The â€œyin and yangâ€”regulators of mTORC1 signaling in pancreatic Î² cells. <i>Cell Cycle</i> , 2013, 12, 3366-3369.	1.3	12
555	LAT1 Is a Critical Transporter of Essential Amino Acids for Immune Reactions in Activated Human T Cells. <i>Journal of Immunology</i> , 2013, 191, 4080-4085.	0.4	141
556	mTOR, AMBRA1, and autophagy: An intricate relationship. <i>Cell Cycle</i> , 2013, 12, 2524-2525.	1.3	35
557	SAD-A kinase controls islet Î²-cell size and function as a mediator of mTORC1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13857-13862.	3.3	34
558	13,14-bis(cis-3,5-dimethyl-1-piperazinyl)-Î²-elemene, a novel Î²-elemene derivative, shows potent antitumor activities via inhibition of mTOR in human breast cancer cells. <i>Oncology Letters</i> , 2013, 5, 1554-1558.	0.8	34
559	A growing role for mTOR in promoting anabolic metabolism. <i>Biochemical Society Transactions</i> , 2013, 41, 906-912.	1.6	148
560	In Scarcity and Abundance: Metabolic Signals Regulating Cell Growth. <i>Physiology</i> , 2013, 28, 298-309.	1.6	6
561	p53 as an intervention target for cancer and aging. <i>Pathobiology of Aging & Age Related Diseases</i> , 2013, 3, 22702.	1.1	47
564	Inhibition of rapamycin-induced Akt phosphorylation by cotylenin A correlates with their synergistic growth inhibition of cancer cells. <i>International Journal of Oncology</i> , 2013, 42, 767-775.	1.4	17
565	Combination of mTOR and EGFR Kinase Inhibitors Blocks mTORC1 and mTORC2 Kinase Activity and Suppresses the Progression of Colorectal Carcinoma. <i>PLoS ONE</i> , 2013, 8, e73175.	1.1	17
566	Temporal dynamics of a homeostatic pathway controlling neural network activity. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 28.	1.4	48
567	Berberine suppresses gero-conversion from cell cycle arrest to senescence. <i>Aging</i> , 2013, 5, 623-636.	1.4	55

#	ARTICLE	IF	CITATIONS
568	Interleukin-6 Secretion by Astrocytes Is Dynamically Regulated by PI3K-mTOR-Calcium Signaling. PLoS ONE, 2014, 9, e92649.	1.1	31
569	Signaling Networks Converge on TORC1-SREBP Activity to Promote Endoplasmic Reticulum Homeostasis. PLoS ONE, 2014, 9, e101164.	1.1	13
570	Fasting Increases Human Skeletal Muscle Net Phenylalanine Release and This Is Associated with Decreased mTOR Signaling. PLoS ONE, 2014, 9, e102031.	1.1	59
571	The Long Non-Coding RNA GAS5 Cooperates with the Eukaryotic Translation Initiation Factor 4E to Regulate c-Myc Translation. PLoS ONE, 2014, 9, e107016.	1.1	102
572	Extrinsic and intrinsic factors controlling spermatogonial stem cell self-renewal and differentiation. Asian Journal of Andrology, 2015, 17, 347.	0.8	38
573	The low energy signaling network. Frontiers in Plant Science, 2014, 5, 353.	1.7	72
574	RTP801/REDD1: a stress coping regulator that turns into a troublemaker in neurodegenerative disorders. Frontiers in Cellular Neuroscience, 2014, 8, 313.	1.8	45
575	Midazolam induces apoptosis in MA-10 mouse Leydig tumor cells through caspase activation and the involvement of MAPK signaling pathway. OncoTargets and Therapy, 2014, 7, 211.	1.0	8
576	mTOR and Regulation of Translation. , 2014, , 307-343.		3
577	mTORC1/2 targeted by n-3 polyunsaturated fatty acids in the prevention of mammary tumorigenesis and tumor progression. Oncogene, 2014, 33, 4548-4557.	2.6	54
578	mTOR kinase-dependent, but raptor-independent regulation of downstream signaling is important for cell cycle exit and myogenic differentiation. Cell Cycle, 2014, 13, 2517-2525.	1.3	13
579	Cauliflower mosaic virus (CaMV) upregulates translation reinitiation of its pregenomic polycistronic 35S RNA via interaction with the cell's translation machinery. , 2014, , 325-343.		0
580	Antagonism of mTOR Activity by a Kinetically Inert Rhodium(III) Complex. ChemPlusChem, 2014, 79, 508-511.	1.3	26
581	Antagonistic roles in fetal development and adult physiology for the oppositely imprinted Grb10 and Dlk1 genes. BMC Biology, 2014, 12, 771.	1.7	24
582	MicroRNAs are critical regulators of tuberous sclerosis complex and mTORC1 activity in the size control of the Xenopus kidney. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6335-6340.	3.3	21
583	Genome-wide microRNA changes in human intracranial aneurysms. BMC Neurology, 2014, 14, 188.	0.8	63
584	ER stress protection in cancer cells: the multifaceted role of the heat shock protein TRAP1. Endoplasmic Reticulum Stress in Diseases, 2014, 1, .	0.2	1
585	The ATP-Competitive mTOR Inhibitor INK128 Enhances <i>In Vitro</i> and <i>In Vivo</i> Radiosensitivity of Pancreatic Carcinoma Cells. Clinical Cancer Research, 2014, 20, 110-119.	3.2	47

#	ARTICLE	IF	CITATIONS
586	Somatic mutations of amino acid metabolism-related genes in gastric and colorectal cancers and their regional heterogeneity - a short report. <i>Cellular Oncology (Dordrecht)</i> , 2014, 37, 455-461.	2.1	14
587	Akt-dependent Activation of mTORC1 Complex Involves Phosphorylation of mTOR (Mammalian Target of) Tj ETQq1,1 0.784314 rgBT 118	1.6	118
588	Translational initiation regulated by ATM in dendritic cells development. <i>Cell Death and Disease</i> , 2014, 5, e1418-e1418.	2.7	6
589	Feedback loops blockade potentiates apoptosis induction and antitumor activity of a novel AKT inhibitor DC120 in human liver cancer. <i>Cell Death and Disease</i> , 2014, 5, e1114-e1114.	2.7	8
590	Rapamycin delays salivary gland atrophy following ductal ligation. <i>Cell Death and Disease</i> , 2014, 5, e1146-e1146.	2.7	17
591	p-mTOR expression is associated with better prognosis in luminal breast carcinoma. <i>Journal of Clinical Pathology</i> , 2014, 67, 961-967.	1.0	10
592	A combination of eicosapentaenoic acid-free fatty acid, epigallocatechin-3-gallate and proanthocyanidins has a strong effect on mTOR signaling in colorectal cancer cells. <i>Carcinogenesis</i> , 2014, 35, 2314-2320.	1.3	25
593	Ras transformation uncouples the kinesin-coordinated cellular nutrient response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10568-10573.	3.3	11
594	Linking our understanding of mammary gland metabolism to amino acid nutrition. <i>Amino Acids</i> , 2014, 46, 2447-2462.	1.2	54
595	Increased sucrose levels mediate selective mRNA translation in Arabidopsis. <i>BMC Plant Biology</i> , 2014, 14, 306.	1.6	26
596	Rationale-based therapeutic combinations with PI3K inhibitors in cancer treatment. <i>Molecular and Cellular Oncology</i> , 2014, 1, e963447.	0.3	9
597	Sarcopenia and Androgens: A Link between Pathology and Treatment. <i>Frontiers in Endocrinology</i> , 2014, 5, 217.	1.5	56
598	mTOR. <i>Neurology</i> , 2014, 83, 1562-1572.	1.5	14
599	mTOR Signal Transduction Pathways Contribute to TN-C FNIII A1 Overexpression by Mechanical Stress in Osteosarcoma Cells. <i>Molecules and Cells</i> , 2014, 37, 118-125.	1.0	13
600	mTOR regulates brain morphogenesis by mediating GSK3 signaling. <i>Development (Cambridge)</i> , 2014, 141, 4076-4086.	1.2	109
601	Destabilization of Akt Promotes the Death of Myeloma Cell Lines. <i>BioMed Research International</i> , 2014, 1-7.	0.9	1
602	Predictive value of phosphorylated mammalian target of rapamycin for disease-free survival in breast cancer patients receiving neoadjuvant chemotherapy. <i>Oncology Letters</i> , 2014, 8, 2642-2648.	0.8	1
603	Vesicular Trafficking and Signaling for Cytokine and Chemokine Secretion in Mast Cells. <i>Frontiers in Immunology</i> , 2014, 5, 453.	2.2	93

#	ARTICLE	IF	CITATIONS
604	PIP4k ¹³ is a substrate for mTORC1 that maintains basal mTORC1 signaling during starvation. <i>Science Signaling</i> , 2014, 7, ra104.	1.6	34
605	An investigation of nutrient-dependent mRNA translation in <i>Drosophila</i> larvae. <i>Biology Open</i> , 2014, 3, 1020-1031.	0.6	16
606	Denervation atrophy is independent from Akt and mTOR activation and is not rescued by myostatin inhibition. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 471-81.	1.2	55
607	Longevity Pathways in Mammalian Stem Cells. <i>Annual Review of Gerontology and Geriatrics</i> , 2014, 34, 1-39.	0.5	1
608	Role of the Mammalian Target of Rapamycin (mTOR) Complexes in Pancreatic β -Cell Mass Regulation. <i>Vitamins and Hormones</i> , 2014, 95, 425-469.	0.7	16
609	Mechanistic target of rapamycin (MTOR) signaling during ovulation in mice. <i>Molecular Reproduction and Development</i> , 2014, 81, 655-665.	1.0	11
610	The microRNA 132 Regulates Fluid Shear Stress-Induced Differentiation in Periodontal Ligament Cells through mTOR Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 433-445.	1.1	59
611	Developmental brain abnormalities in tuberous sclerosis complex: A comparative tissue analysis of cortical tubers and perituberal cortex. <i>Epilepsia</i> , 2014, 55, 539-550.	2.6	91
612	Downregulation of placental mTOR, insulin/IGF signaling, and nutrient transporters in response to maternal nutrient restriction in the baboon. <i>FASEB Journal</i> , 2014, 28, 1294-1305.	0.2	109
613	Rapamycin-resistant effector T cell therapy. <i>Immunological Reviews</i> , 2014, 257, 210-225.	2.8	18
614	Prioritization of skeletal muscle growth for emergence from hibernation. <i>Journal of Experimental Biology</i> , 2015, 218, 276-84.	0.8	40
615	PTEN inhibition enhances neurite outgrowth in human embryonic stem cell-derived neuronal progenitor cells. <i>Journal of Comparative Neurology</i> , 2014, 522, 2741-2755.	0.9	44
616	Chronic unpredictable stress regulates visceral adipocyte-mediated glucose metabolism and inflammatory circuits in male rats. <i>Physiological Reports</i> , 2014, 2, e00284.	0.7	22
617	mTOR complex 1: a key player in neuroadaptations induced by drugs of abuse. <i>Journal of Neurochemistry</i> , 2014, 130, 172-184.	2.1	117
618	In search of antiaging modalities: Evaluation of mTOR and ROS/DNA damage signaling by cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 386-399.	1.1	36
619	A differential pattern of gene expression in skeletal muscle of tumor-bearing rats reveals dysregulation of excitation-contraction coupling together with additional muscle alterations. <i>Muscle and Nerve</i> , 2014, 49, 233-248.	1.0	20
620	DW09849, a Selective Phosphatidylinositol 3-Kinase (PI3K) Inhibitor, Prevents PI3K Signaling and Preferentially Inhibits Proliferation of Cells Containing the Oncogenic Mutation p110 ^L (H1047R). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 348, 432-441.	1.3	14
621	Functional Effects of a Pathogenic Mutation in Cereblon (CRBN) on the Regulation of Protein Synthesis via the AMPK-mTOR Cascade. <i>Journal of Biological Chemistry</i> , 2014, 289, 23343-23352.	1.6	23

#	ARTICLE	IF	CITATIONS
622	PI3K/AKT/mTOR signaling pathway as a therapeutic target for ovarian cancer. Archives of Gynecology and Obstetrics, 2014, 290, 1067-1078.	0.8	189
623	mTOR Signaling in Cortical Network Development. , 2014, , 193-205.		1
624	Tropicalization of fish assemblages in temperate biogeographic transition zones. Marine Ecology - Progress Series, 2014, 504, 241-252.	0.9	71
625	Npr2 inhibits TORC1 to prevent inappropriate utilization of glutamine for biosynthesis of nitrogen-containing metabolites. Science Signaling, 2014, 7, ra120.	1.6	42
626	Transcriptional regulation of the stress response by mTOR. Science Signaling, 2014, 7, re2.	1.6	81
627	Targeted Inhibition of mTOR Signaling Improves Sensitivity of Esophageal Squamous Cell Carcinoma Cells to Cisplatin. Journal of Immunology Research, 2014, 2014, 1-9.	0.9	22
628	ENDOCRINE SIDE EFFECTS OF ANTI-CANCER DRUGS: Effects of anti-cancer targeted therapies on lipid and glucose metabolism. European Journal of Endocrinology, 2014, 170, R43-R55.	1.9	73
629	Genetic and Pharmacologic Evidence That mTOR Targeting Outweighs mTORC1 Inhibition as an Antimyeloma Strategy. Molecular Cancer Therapeutics, 2014, 13, 504-516.	1.9	7
630	Dual inhibition by S6K1 and Elf4E is essential for controlling cellular growth and invasion in bladder cancer. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 51.e27-51.e35.	0.8	14
631	Inducible costimulator facilitates T-dependent B cell activation by augmenting IL-4 translation. Molecular Immunology, 2014, 59, 46-54.	1.0	35
632	IRS1Ser307 phosphorylation does not mediate mTORC1-induced insulin resistance. Biochemical and Biophysical Research Communications, 2014, 443, 689-693.	1.0	7
633	Characterization of pomiferin triacetate as a novel mTOR and translation inhibitor. Biochemical Pharmacology, 2014, 88, 313-321.	2.0	17
634	28S rRNA is inducibly pseudouridylated by the mTOR pathway translational control in CHO cell cultures. Journal of Biotechnology, 2014, 174, 16-21.	1.9	24
635	mTOR-targeted therapy: Differential perturbation to mitochondrial membrane potential and permeability transition pore plays a role in therapeutic response. Biochemical and Biophysical Research Communications, 2014, 447, 184-191.	1.0	13
636	Targeting the mTOR Signaling Network for Alzheimer's Disease Therapy. Molecular Neurobiology, 2014, 49, 120-135.	1.9	111
637	The FoxO-BNIP3 axis exerts a unique regulation of mTORC1 and cell survival under energy stress. Oncogene, 2014, 33, 3183-3194.	2.6	76
638	Oxytocin modulates markers of the unfolded protein response in Caco2BB gut cells. Cell Stress and Chaperones, 2014, 19, 465-477.	1.2	13
639	mTOR and autophagy in normal brain aging and caloric restriction ameliorating age-related cognition deficits. Behavioural Brain Research, 2014, 264, 82-90.	1.2	123

#	ARTICLE	IF	CITATIONS
640	The relationship between mTOR signalling pathway and recombinant antibody productivity in CHO cell lines. <i>BMC Biotechnology</i> , 2014, 14, 15.	1.7	19
641	Kinase mTOR: Regulation and role in maintenance of cellular homeostasis, tumor development, and aging. <i>Biochemistry (Moscow)</i> , 2014, 79, 88-101.	0.7	33
642	Dual phosphorylation of Sin1 at T86 and T398 negatively regulates mTORC2 complex integrity and activity. <i>Protein and Cell</i> , 2014, 5, 171-177.	4.8	37
643	Largen: A Molecular Regulator of Mammalian Cell Size Control. <i>Molecular Cell</i> , 2014, 53, 904-915.	4.5	30
644	Proteomic analysis of cap-dependent translation identifies LARP1 as a key regulator of 5â€™TOP mRNA translation. <i>Genes and Development</i> , 2014, 28, 357-371.	2.7	229
645	Regulation of mTORC1 by amino acids. <i>Trends in Cell Biology</i> , 2014, 24, 400-406.	3.6	649
646	Making new contacts: the mTOR network in metabolism and signalling crosstalk. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 155-162.	16.1	912
647	Rapamycin: One Drug, Many Effects. <i>Cell Metabolism</i> , 2014, 19, 373-379.	7.2	912
648	Deregulation of cell signaling in cancer. <i>FEBS Letters</i> , 2014, 588, 2558-2570.	1.3	103
649	Transcriptional control of spermatogonial maintenance and differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 14-26.	2.3	117
650	Hyperactivation of Mammalian Target of Rapamycin Complex 1 (mTORC1) Promotes Breast Cancer Progression through Enhancing Glucose Starvation-induced Autophagy and Akt Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 1164-1173.	1.6	32
651	Translational reprogramming in cellular stress response. <i>Wiley Interdisciplinary Reviews RNA</i> , 2014, 5, 301-305.	3.2	193
652	Nutrient control of <i>Drosophila</i> longevity. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 509-517.	3.1	123
653	New Function of Type I IFN: Induction of Autophagy. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 71-78.	0.5	104
654	Biologically Driven Synthesis of Pyrazolo[3,4- <i>d</i>]pyrimidines As Protein Kinase Inhibitors: An Old Scaffold As a New Tool for Medicinal Chemistry and Chemical Biology Studies. <i>Chemical Reviews</i> , 2014, 114, 7189-7238.	23.0	116
655	Using genetic findings in autism for the development of new pharmaceutical compounds. <i>Psychopharmacology</i> , 2014, 231, 1063-1078.	1.5	27
656	Understanding translational control mechanisms of the mTOR pathway in CHO cells by polysome profiling. <i>New Biotechnology</i> , 2014, 31, 514-523.	2.4	16
657	Parallel measurement of dynamic changes in translation rates in single cells. <i>Nature Methods</i> , 2014, 11, 86-93.	9.0	49

#	ARTICLE	IF	CITATIONS
658	Industrial natural product chemistry for drug discovery and development. <i>Natural Product Reports</i> , 2014, 31, 35-60.	5.2	210
659	Control of Paip1-Eukaryotic Translation Initiation Factor 3 Interaction by Amino Acids through S6 Kinase. <i>Molecular and Cellular Biology</i> , 2014, 34, 1046-1053.	1.1	29
660	Synaptic control of local translation: the plot thickens with new characters. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2219-2239.	2.4	31
661	Biomarkers in autism spectrum disorder: the old and the new. <i>Psychopharmacology</i> , 2014, 231, 1201-1216.	1.5	144
662	mTOR signaling in tumorigenesis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 638-654.	3.3	113
663	Phase 1 trial of temsirolimus in combination with irinotecan and temozolomide in children, adolescents and young adults with relapsed or refractory solid tumors: A children's oncology group study. <i>Pediatric Blood and Cancer</i> , 2014, 61, 833-839.	0.8	87
664	The mTORC1 effectors S6K1 and 4E-BP play different roles in CNS axon regeneration. <i>Nature Communications</i> , 2014, 5, 5416.	5.8	102
665	The Neurology of mTOR. <i>Neuron</i> , 2014, 84, 275-291.	3.8	594
666	Role of phosphatidylinositol-3-kinase (PI3K) and the mammalian target of rapamycin (mTOR) signalling pathways in porcine reproductive and respiratory syndrome virus (PRRSV) replication. <i>Virus Research</i> , 2014, 194, 138-144.	1.1	23
667	Leucine-Enriched Amino Acid Ingestion after Resistance Exercise Prolongs Myofibrillar Protein Synthesis and Amino Acid Transporter Expression in Older Men. <i>Journal of Nutrition</i> , 2014, 144, 1694-1702.	1.3	83
668	Oxford and the Savannah: Can the Hippo Provide an Explanation for Peto's Paradox?. <i>Clinical Cancer Research</i> , 2014, 20, 557-564.	3.2	5
669	Targeting mTORC1-Mediated Metabolic Addiction Overcomes Fludarabine Resistance in Malignant B Cells. <i>Molecular Cancer Research</i> , 2014, 12, 1205-1215.	1.5	22
670	FOXO3-mTOR metabolic cooperation in the regulation of erythroid cell maturation and homeostasis. <i>American Journal of Hematology</i> , 2014, 89, 954-963.	2.0	73
671	PRMT5 is essential for the eIF4E-mediated 5'-cap dependent translation. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 1016-1021.	1.0	28
672	Quantitative phosphoproteomics reveals novel phosphorylation events in insulin signaling regulated by protein phosphatase 1 regulatory subunit 12A. <i>Journal of Proteomics</i> , 2014, 109, 63-75.	1.2	26
673	Translational Control in Synaptic Plasticity and Cognitive Dysfunction. <i>Annual Review of Neuroscience</i> , 2014, 37, 17-38.	5.0	285
674	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4361-4371.	2.4	297
675	High dietary protein intake, reducing or eliciting insulin resistance?. <i>European Journal of Clinical Nutrition</i> , 2014, 68, 973-979.	1.3	144

#	ARTICLE	IF	CITATIONS
676	Rtp801 Suppression of Epithelial mTORC1 Augments Endotoxin-Induced Lung Inflammation. <i>American Journal of Pathology</i> , 2014, 184, 2382-2389.	1.9	23
677	Hypothalamic mTOR: The Rookie Energy Sensor. <i>Current Molecular Medicine</i> , 2014, 14, 3-21.	0.6	82
678	A dihydroseleñoquinazoline inhibits S6 ribosomal protein signalling, induces apoptosis and inhibits autophagy in MCF-7 cells. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 87-95.	1.9	15
679	The general amino acid control pathway regulates mTOR and autophagy during serum/glutamine starvation. <i>Journal of Cell Biology</i> , 2014, 206, 173-182.	2.3	163
680	Cellular Differences in Protein Synthesis Regulate Tissue Homeostasis. <i>Cell</i> , 2014, 159, 242-251.	13.5	177
681	Targeting the mTOR Signaling Pathway in Neuroendocrine Tumors. <i>Current Treatment Options in Oncology</i> , 2014, 15, 365-379.	1.3	74
682	Activation of mTORC1 in Collecting Ducts Causes Hyperkalemia. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 534-545.	3.0	27
683	Role of the mTORC1 Complex in Satellite Cell Activation by RNA-Induced Mitochondrial Restoration: Dual Control of Cyclin D1 through MicroRNAs. <i>Molecular and Cellular Biology</i> , 2014, 34, 3594-3606.	1.1	22
684	The mTORC1/S6K1 Pathway Regulates Glutamine Metabolism through the eIF4B-Dependent Control of c-Myc Translation. <i>Current Biology</i> , 2014, 24, 2274-2280.	1.8	213
685	Growing knowledge of the mTOR signaling network. <i>Seminars in Cell and Developmental Biology</i> , 2014, 36, 79-90.	2.3	258
686	The role of HIF1 α in renal cell carcinoma tumorigenesis. <i>Journal of Molecular Medicine</i> , 2014, 92, 825-836.	1.7	78
687	Inhibition of mammalian target of rapamycin improves neurobehavioral deficit and modulates immune response after intracerebral hemorrhage in rat. <i>Journal of Neuroinflammation</i> , 2014, 11, 44.	3.1	49
688	Rapamycin-binding FKBP25 associates with diverse proteins that form large intracellular entities. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1255-1260.	1.0	15
689	Regulation of Interferon-Dependent mRNA Translation of Target Genes. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 289-296.	0.5	30
690	Macromolecular transport between the nucleus and the cytoplasm: Advances in mechanism and emerging links to disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2784-2795.	1.9	87
691	The Role of Placental Nutrient Sensing in Maternal-Fetal Resource Allocation ¹ . <i>Biology of Reproduction</i> , 2014, 91, 82.	1.2	107
692	JNK Signaling Mediates EPHA2-Dependent Tumor Cell Proliferation, Motility, and Cancer Stem Cell-like Properties in Non-small Cell Lung Cancer. <i>Cancer Research</i> , 2014, 74, 2444-2454.	0.4	64
693	Baicalein inhibits lipid accumulation by regulating early adipogenesis and m-TOR signaling. <i>Food and Chemical Toxicology</i> , 2014, 67, 57-64.	1.8	42

#	ARTICLE	IF	CITATIONS
694	AMP-activated protein kinase: An emerging target for ginseng. <i>Journal of Ginseng Research</i> , 2014, 38, 83-88.	3.0	65
695	Assessing for unique immunomodulatory and neuroplastic profiles of physical activity subtypes: A focus on psychiatric disorders. <i>Brain, Behavior, and Immunity</i> , 2014, 39, 42-55.	2.0	18
696	Activation of AMPK and inactivation of Akt result in suppression of mTOR-mediated S6K1 and 4E-BP1 pathways leading to neuronal cell death in in vitro models of Parkinson's disease. <i>Cellular Signalling</i> , 2014, 26, 1680-1689.	1.7	133
697	Synthetic lethality by co-targeting mitochondrial apoptosis and PI3K/Akt/mTOR signaling. <i>Mitochondrion</i> , 2014, 19, 85-87.	1.6	40
698	Homeostatic plasticity at the <i>Drosophila</i> neuromuscular junction. <i>Neuropharmacology</i> , 2014, 78, 63-74.	2.0	132
699	Inhibition of mTOR down-regulates scavenger receptor, class B, type I (SR-BI) expression, reduces endothelial cell migration and impairs nitric oxide production. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 944-953.	1.2	19
701	Therapeutic potential of targeting mTOR in T-cell acute lymphoblastic leukemia (Review). <i>International Journal of Oncology</i> , 2014, 45, 909-918.	1.4	20
702	A novel Bcr-Abl-mTOR-eIF4A axis regulates IRES-mediated translation of LEF-1. <i>Open Biology</i> , 2014, 4, 140180.	1.5	21
703	Insulin-like growth factor binding protein-3 mediates interleukin-24-induced apoptosis through inhibition of the mTOR pathway in prostate cancer. <i>Oncology Reports</i> , 2015, 34, 2273-2281.	1.2	9
704	Immunohistochemical analysis of phosphorylated mammalian target of rapamycin and its downstream signaling components in invasive breast cancer. <i>Molecular Medicine Reports</i> , 2015, 12, 5246-5254.	1.1	13
706	1 T moderate intensity static magnetic field affects Akt/mTOR pathway and increases the antitumor efficacy of mTOR inhibitors in CNE-ZZ cells. <i>Science Bulletin</i> , 2015, 60, 2120-2128.	4.3	22
707	Signalling to eIF4E in cancer. <i>Biochemical Society Transactions</i> , 2015, 43, 763-772.	1.6	177
709	Cellular and molecular effects of the mTOR inhibitor everolimus. <i>Clinical Science</i> , 2015, 129, 895-914.	1.8	74
710	PRL-3 activates mTORC1 in Cancer Progression. <i>Scientific Reports</i> , 2015, 5, 17046.	1.6	22
711	Spinal 5-HT7 receptors induce phrenic motor facilitation via EPAC-mTORC1 signaling. <i>Journal of Neurophysiology</i> , 2015, 114, 2015-2022.	0.9	39
712	Assessment of global proteome in LNCaP cells by 2D-RP/RP LC-MS/MS following sulforaphane exposure. <i>EuPA Open Proteomics</i> , 2015, 9, 34-40.	2.5	2
713	The HDL receptor SR-BI is associated with human prostate cancer progression and plays a possible role in establishing androgen independence. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 88.	1.4	67
714	Burnout in nursing professionals: Associations with early stress. <i>British Journal of Mental Health Nursing</i> , 2015, 4, 267-275.	0.1	4

#	ARTICLE	IF	CITATIONS
715	Metabolic control of signalling pathways and metabolic auto-regulation. <i>Biology of the Cell</i> , 2015, 107, 251-272.	0.7	64
716	Therapeutic Effects of Mouse Adipose-Derived Stem Cells and Losartan in the Skeletal Muscle of Injured Mdx Mice. <i>Cell Transplantation</i> , 2015, 24, 939-953.	1.2	29
717	Modulation of mTOR Activity by μ -Opioid Receptor is Dependent upon the Association of Receptor and FKBP50 Binding Protein 12. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 591-598.	1.9	9
718	mTOR inhibition in breast cancer. <i>Breast Cancer Management</i> , 2015, 4, 67-70.	0.2	0
719	Targeting the PI3K/Akt signaling pathway in gastric carcinoma: A reality for personalized medicine?. <i>World Journal of Gastroenterology</i> , 2015, 21, 12261.	1.4	146
720	mTOR signaling in mice with dysfunctional cardiac ryanodine receptor ion channel. <i>Journal of Receptor, Ligand and Channel Research</i> , 2015, 8, 43.	0.7	3
721	Translate to divide: Control of the cell cycle by protein synthesis. <i>Microbial Cell</i> , 2015, 2, 94-104.	1.4	88
722	mTOR, AMPK, and Sirt1: Key Players in Metabolic Stress Management. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2015, 25, 59-75.	0.4	82
723	The small molecule ISRIB reverses the effects of eIF2 γ phosphorylation on translation and stress granule assembly. <i>ELife</i> , 2015, 4, .	2.8	464
724	Milk – A Nutrient System of Mammalian Evolution Promoting mTORC1-Dependent Translation. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17048-17087.	1.8	85
725	Dual Inhibition of MEK and PI3K Pathway in KRAS and BRAF Mutated Colorectal Cancers. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22976-22988.	1.8	102
726	Leucine Promotes Proliferation and Differentiation of Primary Preterm Rat Satellite Cells in Part through mTORC1 Signaling Pathway. <i>Nutrients</i> , 2015, 7, 3387-3400.	1.7	35
727	Characterizing autism spectrum disorders by key biochemical pathways. <i>Frontiers in Neuroscience</i> , 2015, 9, 313.	1.4	55
728	Autophagy, a Highly Regulated Intracellular System Essential to Skeletal Muscle Homeostasis – Role in Disease, Exercise and Altitude Exposure. , 0, , .		6
729	Multi-Functional Regulation of 4E-BP Gene Expression by the Ccr4-Not Complex. <i>PLoS ONE</i> , 2015, 10, e0113902.	1.1	6
730	Tumor Cells Switch to Mitochondrial Oxidative Phosphorylation under Radiation via mTOR-Mediated Hexokinase II Inhibition - A Warburg-Reversing Effect. <i>PLoS ONE</i> , 2015, 10, e0121046.	1.1	98
731	Revealing Different Roles of the mTOR-Targets S6K1 and S6K2 in Breast Cancer by Expression Profiling and Structural Analysis. <i>PLoS ONE</i> , 2015, 10, e0145013.	1.1	25
732	Activation of the Mammalian Target of Rapamycin in the Rostral Ventromedial Medulla Contributes to the Maintenance of Nerve Injury-Induced Neuropathic Pain in Rat. <i>Neural Plasticity</i> , 2015, 2015, 1-16.	1.0	8

#	ARTICLE	IF	CITATIONS
734	The PTEN tumor suppressor gene and its role in lymphoma pathogenesis. <i>Aging</i> , 2015, 7, 1032-1049.	1.4	52
735	mTORC1 signaling activates NRF1 to increase cellular proteasome levels. <i>Cell Cycle</i> , 2015, 14, 2011-2017.	1.3	76
736	Activation of protein synthesis in mouse uterine epithelial cells by estradiol-17 β is mediated by a PKC ϵ -ERK1/2-mTOR signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1382-91.	3.3	44
737	Acemannan accelerates cell proliferation and skin wound healing through AKT/mTOR signaling pathway. <i>Journal of Dermatological Science</i> , 2015, 79, 101-109.	1.0	76
738	Identification of glucose-6-phosphate transporter as a key regulator functioning at the autophagy initiation step. <i>FEBS Letters</i> , 2015, 589, 2100-2109.	1.3	9
739	Mammalian target of rapamycin and tuberous sclerosis complex. <i>Journal of Dermatological Science</i> , 2015, 79, 93-100.	1.0	40
740	Posttranslational modifications of FOXO1 regulate epidermal growth factor receptor tyrosine kinase inhibitor resistance for non-small cell lung cancer cells. <i>Tumor Biology</i> , 2015, 36, 5485-5495.	0.8	15
741	Platelet-derived growth factor regulates vascular smooth muscle phenotype via mammalian target of rapamycin complex 1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 57-62.	1.0	45
742	PKA-Dependent Phosphorylation of Ribosomal Protein S6 Does Not Correlate with Translation Efficiency in Striatonigral and Striatopallidal Medium-Sized Spiny Neurons. <i>Journal of Neuroscience</i> , 2015, 35, 4113-4130.	1.7	61
743	Epileptogenic but MRI-normal perituberal tissue in Tuberous Sclerosis Complex contains tuber-specific abnormalities. <i>Acta Neuropathologica Communications</i> , 2015, 3, 17.	2.4	28
744	High-Throughput Drug Screen Identifies Chelerythrine as a Selective Inducer of Death in a TSC2-null Setting. <i>Molecular Cancer Research</i> , 2015, 13, 50-62.	1.5	25
745	The mTORC1/4E-BP pathway coordinates hemoglobin production with α -leucine availability. <i>Science Signaling</i> , 2015, 8, ra34.	1.6	54
746	LAPTM4b recruits the LAT1-4F2hc Leu transporter to lysosomes and promotes mTORC1 activation. <i>Nature Communications</i> , 2015, 6, 7250.	5.8	156
747	Differential regulatory functions of three classes of phosphatidylinositol and phosphoinositide 3-kinases in autophagy. <i>Autophagy</i> , 2015, 11, 1711-1728.	4.3	143
748	Perturbations of PIP3 signalling trigger a global remodelling of mRNA landscape and reveal a transcriptional feedback loop. <i>Nucleic Acids Research</i> , 2015, 43, gkv1015.	6.5	20
749	Therapeutic interventions to disrupt the protein synthetic machinery in melanoma. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 501-519.	1.5	3
750	mTOR inhibition activates overall protein degradation by the ubiquitin proteasome system as well as by autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15790-15797.	3.3	364
751	Facilitated physiological adaptation to prolonged circadian disruption through dietary supplementation with essence of chicken. <i>Chronobiology International</i> , 2015, 32, 1458-1468.	0.9	5

#	ARTICLE	IF	CITATIONS
752	Transforming Growth Factor β 1-induced Apoptosis in Podocytes via the Extracellular Signal-regulated Kinase-Mammalian Target of Rapamycin Complex 1-NADPH Oxidase 4 Axis. <i>Journal of Biological Chemistry</i> , 2015, 290, 30830-30842.	1.6	36
753	Global translation variations in host cells upon attack of lytic and sublytic <i>Staphylococcus aureus</i> \pm haemolysin. <i>Biochemical Journal</i> , 2015, 472, 83-95.	1.7	4
754	TOR signalling in plants. <i>Biochemical Journal</i> , 2015, 470, 1-14.	1.7	95
755	Cellular metabolism and lysosomal mTOR signaling. <i>Cell Death in Therapy</i> , 2015, 1, .	0.3	7
756	Energy metabolism determines the sensitivity of human hepatocellular carcinoma cells to mitochondrial inhibitors and biguanide drugs. <i>Oncology Reports</i> , 2015, 34, 1620-1628.	1.2	27
757	The Roles of Cellular and Organismal Aging in the Development of Late-Onset Maladies. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 1-23.	9.6	31
758	mTOR signaling in cellular and organismal energetics. <i>Current Opinion in Cell Biology</i> , 2015, 33, 55-66.	2.6	240
759	mTOR Signaling in Endometrial Cancer: From a Molecular and Therapeutic Point of View. <i>Current Obstetrics and Gynecology Reports</i> , 2015, 4, 1-10.	0.3	11
760	Overexpression of the PP2A regulatory subunit Tap46 leads to enhanced plant growth through stimulation of the TOR signalling pathway. <i>Journal of Experimental Botany</i> , 2015, 66, 827-840.	2.4	69
761	LB β 1 Exerts Antitumor Activity in Pancreatic Cancer by Inhibiting HIF α and Stat3 Signaling. <i>Journal of Cellular Physiology</i> , 2015, 230, 2212-2223.	2.0	18
762	Effect of the ratios of unsaturated fatty acids on the expressions of genes related to fat and protein in the bovine mammary epithelial cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 381-389.	0.7	10
763	An mTORC1-Mdm2-Drosha Axis for miRNA Biogenesis in Response to Glucose- and Amino Acid-Deprivation. <i>Molecular Cell</i> , 2015, 57, 708-720.	4.5	72
764	Regulation of global and specific mRNA translation by the mTOR signaling pathway. <i>Translation</i> , 2015, 3, e983402.	2.9	117
765	Protein synthesis as an integral quality control mechanism during ageing. <i>Ageing Research Reviews</i> , 2015, 23, 75-89.	5.0	20
766	Targeting the eIF4F Translation Initiation Complex: A Critical Nexus for Cancer Development. <i>Cancer Research</i> , 2015, 75, 250-263.	0.4	291
767	Cell Growth. , 2015, , 179-190.e1.		4
768	Resistance exercise-induced S6K1 kinase activity is not inhibited in human skeletal muscle despite prior activation of AMPK by high-intensity interval cycling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E470-E481.	1.8	60
769	A nexus for cellular homeostasis: the interplay between metabolic and signal transduction pathways. <i>Current Opinion in Biotechnology</i> , 2015, 34, 110-117.	3.3	72

#	ARTICLE	IF	CITATIONS
770	Sarcopenia and Critical Illness. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015, 39, 273-281.	1.3	63
771	Fission yeast Ryh1 GTPase activates TOR Complex 2 in response to glucose. <i>Cell Cycle</i> , 2015, 14, 848-856.	1.3	41
772	Three distinct ribosome assemblies modulated by translation are the building blocks of polysomes. <i>Journal of Cell Biology</i> , 2015, 208, 581-596.	2.3	44
773	The expanding role of mTOR in cancer cell growth and proliferation. <i>Mutagenesis</i> , 2015, 30, 169-176.	1.0	154
774	Conditional genetic deletion of PTEN after a spinal cord injury enhances regenerative growth of CST axons and motor function recovery in mice. <i>Experimental Neurology</i> , 2015, 266, 147-160.	2.0	102
775	Distinct germline progenitor subsets defined through Tsc2 ^{ΔE} mTORC1 signaling. <i>EMBO Reports</i> , 2015, 16, 467-480.	2.0	58
776	Identification of Rictor as a Novel Substrate of Polo-like kinase 1. <i>Cell Cycle</i> , 2015, 14, 755-760.	1.3	7
777	Glucocorticoids and Skeletal Muscle. <i>Advances in Experimental Medicine and Biology</i> , 2015, 872, 145-176.	0.8	111
778	Improved autophagic flux is correlated with mTOR activation in the later recovery stage of experimental acute pancreatitis. <i>Pancreatology</i> , 2015, 15, 470-477.	0.5	13
779	Transgenic expression of the N525S-tuberin variant in Tsc2 mutant (Eker) rats causes dominant embryonic lethality. <i>Scientific Reports</i> , 2015, 4, 5927.	1.6	2
780	The inhibitory effects of quercetin on obesity and obesity-induced inflammation by regulation of MAPK signaling. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1308-1316.	1.9	150
781	Protein and Calorie Restriction Contribute Additively to Protection from Renal Ischemia Reperfusion Injury Partly via Leptin Reduction in Male Mice. <i>Journal of Nutrition</i> , 2015, 145, 1717-1727.	1.3	74
783	Glucocorticoid Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2015, , .	0.8	15
784	Genetics and Pharmacology of Longevity. <i>Advances in Genetics</i> , 2015, 90, 1-101.	0.8	35
785	The Opposing Actions of Target of Rapamycin and AMP-Activated Protein Kinase in Cell Growth Control. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a019141.	2.3	115
786	mTORC2 Balances AKT Activation and eIF2 [±] Serine 51 Phosphorylation to Promote Survival under Stress. <i>Molecular Cancer Research</i> , 2015, 13, 1377-1388.	1.5	35
787	Chordomas. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 437-452.	0.8	85
788	Modulation of the Translational Landscape During Herpesvirus Infection. <i>Annual Review of Virology</i> , 2015, 2, 311-333.	3.0	20

#	ARTICLE	IF	CITATIONS
789	Quercetin inhibits the mTORC1/p70S6K signaling-mediated renal tubular epithelialâ€“mesenchymal transition and renal fibrosis in diabetic nephropathy. <i>Pharmacological Research</i> , 2015, 99, 237-247.	3.1	115
791	Invariant NKT Cells Require Autophagy To Coordinate Proliferation and Survival Signals during Differentiation. <i>Journal of Immunology</i> , 2015, 194, 5872-5884.	0.4	64
792	Understanding the intracellular effects of yeast extract on the enhancement of Fc-fusion protein production in Chinese hamster ovary cell culture. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8429-8440.	1.7	8
793	Allele-selective suppression of mutant genes in polyglutamine diseases. <i>Journal of Neurogenetics</i> , 2015, 29, 41-49.	0.6	4
794	Quantitative analysis of male germline stem cell differentiation reveals a role for the p53-mTORC1 pathway in spermatogonial maintenance. <i>Cell Cycle</i> , 2015, 14, 2905-2913.	1.3	13
795	Dysregulated ADAM10-Mediated Processing of APP during a Critical Time Window Leads to Synaptic Deficits in Fragile X Syndrome. <i>Neuron</i> , 2015, 87, 382-398.	3.8	59
796	Leucine does not affect mechanistic target of rapamycin complex 1 assembly but is required for maximal ribosomal protein s6 kinase 1 activity in human skeletal muscle following resistance exercise. <i>FASEB Journal</i> , 2015, 29, 4358-4373.	0.2	34
797	Phosphorylation of GATA-6 is required for vascular smooth muscle cell differentiation after mTORC1 inhibition. <i>Science Signaling</i> , 2015, 8, ra44.	1.6	39
798	mRNA 3â€“UTR shortening is a molecular signature of mTORC1 activation. <i>Nature Communications</i> , 2015, 6, 7218.	5.8	55
799	The Utilization of Extracellular Proteins as Nutrients Is Suppressed by mTORC1. <i>Cell</i> , 2015, 162, 259-270.	13.5	359
800	Papillary renal cell carcinoma: A review of the current therapeutic landscape. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 100-112.	2.0	104
801	Cisplatin-induced inhibition of mTOR pathway enables stress-induced autophagy. <i>EMBO Journal</i> , 2015, 34, 1214-1230.	3.5	66
802	Pathogenesis and Prognosis of Hepatocellular Carcinoma at the Cellular and Molecular Levels. <i>Clinics in Liver Disease</i> , 2015, 19, 261-276.	1.0	27
803	Effects of PTEN and Nogo Codeletion on Corticospinal Axon Sprouting and Regeneration in Mice. <i>Journal of Neuroscience</i> , 2015, 35, 6413-6428.	1.7	95
804	The PI3K/AKT/mTOR interactive pathway. <i>Molecular BioSystems</i> , 2015, 11, 1946-1954.	2.9	379
805	The lipid peroxidation product 4-hydroxy-trans-2-nonenal causes protein synthesis in cardiac myocytes via activated mTORC1â€“p70S6Kâ€“RPS6 signaling. <i>Free Radical Biology and Medicine</i> , 2015, 82, 137-146.	1.3	36
806	Stat1 stimulates cap-independent mRNA translation to inhibit cell proliferation and promote survival in response to antitumor drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2149-55.	3.3	8
807	Distinct inhibitory effects on mTOR signaling by ethanol and INK128 in diffuse large B-cell lymphoma. <i>Cell Communication and Signaling</i> , 2015, 13, 15.	2.7	20

#	ARTICLE	IF	CITATIONS
808	Transcript and protein expression decoupling reveals RNA binding proteins and miRNAs as potential modulators of human aging. <i>Genome Biology</i> , 2015, 16, 41.	3.8	82
809	The Circadian Protein BMAL1 Regulates Translation in Response to S6K1-Mediated Phosphorylation. <i>Cell</i> , 2015, 161, 1138-1151.	13.5	270
810	Autophagy and mTORC1 regulate the stochastic phase of somatic cell reprogramming. <i>Nature Cell Biology</i> , 2015, 17, 715-725.	4.6	81
811	25-Hydroxycholecalciferol Enhances Male Broiler Breast Meat Yield through the mTOR Pathway. <i>Journal of Nutrition</i> , 2015, 145, 855-863.	1.3	51
812	The synergistic inhibition of breast cancer proliferation by combined treatment with 4EGI-1 and MK2206. <i>Cell Cycle</i> , 2015, 14, 232-242.	1.3	10
813	Postnatal high-protein diet improves learning and memory in premature rats via activation of mTOR signaling. <i>Brain Research</i> , 2015, 1611, 1-7.	1.1	11
814	Molecular mechanisms of mTOR regulation by stress. <i>Molecular and Cellular Oncology</i> , 2015, 2, e970489.	0.3	62
815	EGF-mediated induction of Mcl-1 at the switch to lactation is essential for alveolar cell survival. <i>Nature Cell Biology</i> , 2015, 17, 365-375.	4.6	65
816	Rapid Mitogenic Regulation of the mTORC1 Inhibitor, DEPTOR, by Phosphatidic Acid. <i>Molecular Cell</i> , 2015, 58, 549-556.	4.5	84
817	Activation of autophagy in human skeletal muscle is dependent on exercise intensity and AMPK activation. <i>FASEB Journal</i> , 2015, 29, 3515-3526.	0.2	131
818	Targeting Translation Initiation Bypasses Signaling Crosstalk Mechanisms That Maintain High MYC Levels in Colorectal Cancer. <i>Cancer Discovery</i> , 2015, 5, 768-781.	7.7	86
819	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. <i>Developmental Cell</i> , 2015, 33, 272-284.	3.1	86
820	PTEN: Multiple Functions in Human Malignant Tumors. <i>Frontiers in Oncology</i> , 2015, 5, 24.	1.3	356
821	Size control: the developmental physiology of body and organ size regulation. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 335-356.	5.9	71
822	mTOR in health and in sickness. <i>Journal of Molecular Medicine</i> , 2015, 93, 1061-1073.	1.7	54
823	60S ribosomal protein L35 regulates \hat{I}^2 -casein translational elongation and secretion in bovine mammary epithelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2015, 583, 130-139.	1.4	22
824	Endothelial Bmx tyrosine kinase activity is essential for myocardial hypertrophy and remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13063-13068.	3.3	31
825	Apoptotic Cells Activate AMP-activated Protein Kinase (AMPK) and Inhibit Epithelial Cell Growth without Change in Intracellular Energy Stores. <i>Journal of Biological Chemistry</i> , 2015, 290, 22352-22369.	1.6	16

#	ARTICLE	IF	CITATIONS
826	Novel links in the plant TOR kinase signaling network. <i>Current Opinion in Plant Biology</i> , 2015, 28, 83-91.	3.5	132
827	Coupling between Nutrient Availability and Thyroid Hormone Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 30551-30561.	1.6	34
828	Thyroid C-Cell Biology and Oncogenic Transformation. <i>Recent Results in Cancer Research</i> , 2015, 204, 1-39.	1.8	39
829	Convergence of Theories of Alcohol Administration Postanabolic Stimulation on mTOR Signaling: Lessons for Exercise Regimen. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 787-789.	1.4	2
830	Disruption of Proline Synthesis in Melanoma Inhibits Protein Production Mediated by the GCN2 Pathway. <i>Molecular Cancer Research</i> , 2015, 13, 1408-1420.	1.5	43
831	Activating the translational repressor 4E-BP or reducing S6K-GSK3 β activity prevents accelerated axon growth induced by hyperactive mTOR in vivo. <i>Human Molecular Genetics</i> , 2015, 24, 5746-5758.	1.4	41
832	The role of mTOR signaling in the regulation of protein synthesis and muscle mass during immobilization in mice. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1059-1069.	1.2	108
833	mTORC2 promotes cell survival through c-Myc-dependent up-regulation of E2F1. <i>Journal of Cell Biology</i> , 2015, 211, 105-122.	2.3	33
834	SKN-1/Nrf, stress responses, and aging in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2015, 88, 290-301.	1.3	420
835	mTOR regulates MAPKAPK2 translation to control the senescence-associated secretory phenotype. <i>Nature Cell Biology</i> , 2015, 17, 1205-1217.	4.6	552
836	WISP3 (CCN6) Regulates Milk Protein Synthesis and Cell Growth Through mTOR Signaling in Dairy Cow Mammary Epithelial Cells. <i>DNA and Cell Biology</i> , 2015, 34, 524-533.	0.9	14
837	From the genetic architecture to synaptic plasticity in autism spectrum disorder. <i>Nature Reviews Neuroscience</i> , 2015, 16, 551-563.	4.9	764
838	Toward rapamycin analog (rapalog)-based precision cancer therapy. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 1163-1169.	2.8	100
839	Metabolic regulation of T cell differentiation and function. <i>Molecular Immunology</i> , 2015, 68, 497-506.	1.0	34
840	MYC and metabolism on the path to cancer. <i>Seminars in Cell and Developmental Biology</i> , 2015, 43, 11-21.	2.3	253
841	mTOR and its tight regulation for iNKT cell development and effector function. <i>Molecular Immunology</i> , 2015, 68, 536-545.	1.0	18
842	Ethanollic Ginkgo biloba leaf extract prevents renal fibrosis through Akt/mTOR signaling in diabetic nephropathy. <i>Phytomedicine</i> , 2015, 22, 1071-1078.	2.3	67
843	S6 Kinase- and β -TrCP2-Dependent Degradation of p19 ^{Arf} Is Required for Cell Proliferation. <i>Molecular and Cellular Biology</i> , 2015, 35, 3517-3527.	1.1	25

#	ARTICLE	IF	CITATIONS
844	Pyruvate modifies metabolic flux and nutrient sensing during extracorporeal membrane oxygenation in an immature swine model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H137-H146.	1.5	13
845	Epigenetic mechanisms of dietary restriction induced aging in <i>Drosophila</i> . <i>Experimental Gerontology</i> , 2015, 72, 38-44.	1.2	13
846	Influence of ageing and essential amino acids on quantitative patterns of troponin T alternative splicing in human skeletal muscle. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 788-796.	0.9	7
847	Identification of a Dual Inhibitor of Janus Kinase 2 (JAK2) and p70 Ribosomal S6 Kinase1 (S6K1) Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 23553-23562.	1.6	15
848	Évaluation de l'état nutritionnel de la personne âgée en réanimation. <i>Reanimation: Journal De La Societe De Reanimation De Langue Francaise</i> , 2015, 24, 731-740.	0.1	1
849	Mechanism of Activation-Induced Downregulation of Mitofusin 2 in Human Peripheral Blood T Cells. <i>Journal of Immunology</i> , 2015, 195, 5780-5786.	0.4	14
850	Interaction of polyamines and mTOR signaling in the synthesis of antizyme (AZ). <i>Cellular Signalling</i> , 2015, 27, 1850-1859.	1.7	15
851	Identification of a Non-Gatekeeper Hot Spot for Drug-Resistant Mutations in mTOR Kinase. <i>Cell Reports</i> , 2015, 11, 446-459.	2.9	18
852	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.	3.3	51
853	Why should cancer biologists care about tRNAs? tRNA synthesis, mRNA translation and the control of growth. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 898-907.	0.9	83
854	Intravesical bacillus Calmette-Guérin Efficiently Reduces p70S6K1 but Not 4E-BP1 Phosphorylation in Nonmuscle Invasive Bladder Cancer. <i>Journal of Urology</i> , 2015, 193, 682-689.	0.2	10
855	The mechanism of rapamycin in the intervention of paraquat-induced acute lung injury in rats. <i>Xenobiotica</i> , 2015, 45, 538-546.	0.5	14
856	eIF4E-mediated translational control of cancer incidence. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 774-780.	0.9	30
857	Aberrant mTOR activation in senescence and aging: A mitochondrial stress response?. <i>Experimental Gerontology</i> , 2015, 68, 66-70.	1.2	69
858	Intersection of mTOR and STAT signaling in immunity. <i>Trends in Immunology</i> , 2015, 36, 21-29.	2.9	119
859	<i>Arabidopsis thaliana</i> homeobox 12 (<i>ATHB12</i>), a homeodomain leucine zipper protein, regulates leaf growth by promoting cell expansion and endoreduplication. <i>New Phytologist</i> , 2015, 205, 316-328.	3.5	92
860	The mTOR signaling pathway as a treatment target for intracranial neoplasms. <i>Neuro-Oncology</i> , 2015, 17, 189-199.	0.6	44
861	HSF1 regulation of β -catenin in mammary cancer cells through control of HuR/elavL1 expression. <i>Oncogene</i> , 2015, 34, 2178-2188.	2.6	83

#	ARTICLE	IF	CITATIONS
862	Key Genes in Prostate Cancer Progression: Role of MDM2, PTEN, and TMPRSS2-ERG Fusions. , 2016, ,		0
863	Role of Mammalian Target of Rapamycin (mTOR) in Cardiac Homeostasis in Metabolic Disorders. , 2016, , 263-274.		0
864	siRNA-Mediated Knockdown of the mTOR Inhibitor RTP801 Promotes Retinal Ganglion Cell Survival and Axon Elongation by Direct and Indirect Mechanisms. , 2016, 57, 429.		35
865	The Extracellular-Regulated Kinase Effector Lk6 is Required for Glutamate Receptor Localization at the Drosophila Neuromuscular Junction. <i>Journal of Experimental Neuroscience</i> , 2016, 10, JEN.S32840.	2.3	2
866	Role of mTOR Signaling in Cardioprotection. , 2016, , 245-262.		0
867	PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: Roles for insulin-supported skeletal muscle growth1,2. <i>Journal of Animal Science</i> , 2016, 94, 1791-1802.	0.2	27
868	An update on the pathology of neuroendocrine tumors. <i>Frontiers in Bioscience - Scholar</i> , 2016, 8, 1-12.	0.8	7
869	mTOR in Multiple Sclerosis. , 2016, , 331-343.		5
870	A synthetic-lethality RNAi screen reveals an ERK-mTOR co-targeting pro-apoptotic switch in <i>PIK3CA</i> + oral cancers. <i>Oncotarget</i> , 2016, 7, 10696-10709.	0.8	19
871	Metabolic Shunt Pathways, Carcinoma, and mTOR. , 2016, , 429-438.		0
872	mTOR and Drugs of Abuse. , 2016, , 215-226.		0
873	In vivo genetic dissection of tumor growth and the Warburg effect. <i>ELife</i> , 2016, 5, .	2.8	78
874	Downregulation of p70S6K Enhances Cell Sensitivity to Rapamycin in Esophageal Squamous Cell Carcinoma. <i>Journal of Immunology Research</i> , 2016, 2016, 1-9.	0.9	10
875	Asiatic Acid Protects against Cardiac Hypertrophy through Activating AMPK $\hat{\pm}$ Signalling Pathway. <i>International Journal of Biological Sciences</i> , 2016, 12, 861-871.	2.6	60
876	mTOR, Autophagy, Aminoacidopathies, and Human Genetic Disorders. , 2016, , 143-166.		1
877	The mTOR Signaling Pathway in Neurodegenerative Diseases. , 2016, , 85-104.		3
878	Cellular and Molecular Mechanisms of Protein Synthesis Among Tissues. , 2016, , 39-47.		1
879	Roles of Mechanistic Target of Rapamycin in the Adaptive and Innate Immune Systems. , 2016, , 277-292.		0

#	ARTICLE	IF	CITATIONS
880	Exposure to Ketamine Anesthesia Affects Rat Impulsive Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 226.	1.0	17
881	Genetic Causes of Autism Spectrum Disorders. , 2016, , 13-24.		6
882	Sirolimus and Everolimus Pathway: Reviewing Candidate Genes Influencing Their Intracellular Effects. <i>International Journal of Molecular Sciences</i> , 2016, 17, 735.	1.8	36
883	Methionine Regulates mTORC1 via the T1R1/T1R3-PLC β -Ca ²⁺ -ERK1/2 Signal Transduction Process in C2C12 Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1684.	1.8	39
884	Aging Reduces the Activation of the mTORC1 Pathway after Resistance Exercise and Protein Intake in Human Skeletal Muscle: Potential Role of REDD1 and Impaired Anabolic Sensitivity. <i>Nutrients</i> , 2016, 8, 47.	1.7	54
885	The Emerging Role of Branched-Chain Amino Acids in Insulin Resistance and Metabolism. <i>Nutrients</i> , 2016, 8, 405.	1.7	296
886	Compensatory Increase of Transglutaminase 2 Is Responsible for Resistance to mTOR Inhibitor Treatment. <i>PLoS ONE</i> , 2016, 11, e0149388.	1.1	17
887	Rapamycin Attenuates Splenomegaly in both Intrahepatic and Prehepatic Portal Hypertensive Rats by Blocking mTOR Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0141159.	1.1	17
888	B Cell Receptor Activation Predominantly Regulates AKT-mTORC1/2 Substrates Functionally Related to RNA Processing. <i>PLoS ONE</i> , 2016, 11, e0160255.	1.1	33
889	Macrolide Antibiotics Exhibit Cytotoxic Effect under Amino Acid-Depleted Culture Condition by Blocking Autophagy Flux in Head and Neck Squamous Cell Carcinoma Cell Lines. <i>PLoS ONE</i> , 2016, 11, e0164529.	1.1	14
890	Comparative Study on the Cellular and Systemic Nutrient Sensing and Intermediary Metabolism after Partial Replacement of Fishmeal by Meat and Bone Meal in the Diet of Turbot (<i>Scophthalmus maximus</i>) Tj ETQq0 0 DrgBT / Overlock 10		
891	Judicious Toggling of mTOR Activity to Combat Insulin Resistance and Cancer: Current Evidence and Perspectives. <i>Frontiers in Pharmacology</i> , 2016, 7, 395.	1.6	131
892	The Arabidopsis TOR Kinase Specifically Regulates the Expression of Nuclear Genes Coding for Plastidic Ribosomal Proteins and the Phosphorylation of the Cytosolic Ribosomal Protein S6. <i>Frontiers in Plant Science</i> , 2016, 7, 1611.	1.7	113
893	<i>Ulk4</i> Regulates Neural Stem Cell Pool. <i>Stem Cells</i> , 2016, 34, 2318-2331.	1.4	26
894	RES-529. <i>Anti-Cancer Drugs</i> , 2016, 27, 475-487.	0.7	30
895	Immunohistochemical evaluation of the mTOR pathway in intraoral minor salivary gland neoplasms. <i>Oral Diseases</i> , 2016, 22, 620-629.	1.5	3
896	The mTOR Complexes in Cancer Cell Metabolism. <i>Cancer Drug Discovery and Development</i> , 2016, , 29-63.	0.2	2
897	The ERK1/2 and mTORC1 Signaling Pathways Are Involved in the Muscarinic Acetylcholine Receptor-Mediated Proliferation of SNU407 Colon Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2854-2863.	1.2	10

#	ARTICLE	IF	CITATIONS
898	Downhill Running Excessive Training Inhibits Hypertrophy in Mice Skeletal Muscles with Different Fiber Type Composition. <i>Journal of Cellular Physiology</i> , 2016, 231, 1045-1056.	2.0	41
899	Emerging role for regulated in development and DNA damage 1 (REDD1) in the regulation of skeletal muscle metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E157-E174.	1.8	39
900	Sustained activation of mTORC1 in macrophages increases AMPK \pm -dependent autophagy to maintain cellular homeostasis. <i>BMC Biochemistry</i> , 2016, 17, 14.	4.4	20
901	Uncoordinated 51 \hat{e} like kinase 2 signaling pathway regulates epithelial \hat{e} mesenchymal transition in A549 lung cancer cells. <i>FEBS Letters</i> , 2016, 590, 1365-1374.	1.3	32
902	Fishmeal replacement by mixed plant proteins and maggot meal on growth performance, target of rapamycin signalling and metabolism in juvenile turbot (<i>Scophthalmus maximus</i> L.). <i>Aquaculture Nutrition</i> , 2016, 22, 752-758.	1.1	59
903	Viral protein suppresses oxidative burst and salicylic acid \hat{e} dependent autophagy and facilitates bacterial growth on virus \hat{e} infected plants. <i>New Phytologist</i> , 2016, 211, 1020-1034.	3.5	92
904	Stable <i>atrogen-1</i> (<i>Fbxo32</i>) and <i>MuRF1</i> (<i>Trim63</i>) gene expression is involved in the protective mechanism in soleus muscle of hibernating Daurian ground squirrels (<i>Spermophilus</i> Tj ETQq0 0 OrgBT /Overlock 10 T		
905	Acute Fasting Regulates Retrograde Synaptic Enhancement through a 4E-BP-Dependent Mechanism. <i>Neuron</i> , 2016, 92, 1204-1212.	3.8	30
906	Intact subepidermal nerve fibers mediate mechanical hypersensitivity via the activation of protein kinase C gamma in spared nerve injury. <i>Molecular Pain</i> , 2016, 12, 174480691665618.	1.0	13
907	<i>eIF4A</i> inactivates <i>TORC1</i> in response to amino acid \hat{A} starvation. <i>EMBO Journal</i> , 2016, 35, 1058-1076.	3.5	26
908	Perturbed rhythmic activation of signaling pathways in mice deficient for Sterol Carrier Protein 2-dependent diurnal lipid transport and metabolism. <i>Scientific Reports</i> , 2016, 6, 24631.	1.6	9
909	Autophagy and epithelial \hat{e} mesenchymal transition: an intricate interplay in cancer. <i>Cell Death and Disease</i> , 2016, 7, e2520-e2520.	2.7	159
910	<i>PIK3CA</i> mutations enable targeting of a breast tumor dependency through mTOR-mediated MCL-1 translation. <i>Science Translational Medicine</i> , 2016, 8, 369ra175.	5.8	49
911	mTOR Signaling Confers Resistance to Targeted Cancer Drugs. <i>Trends in Cancer</i> , 2016, 2, 688-697.	3.8	65
912	Convulsive seizures from experimental focal cortical dysplasia occur independently of cell misplacement. <i>Nature Communications</i> , 2016, 7, 11753.	5.8	78
913	tPA promotes cortical neuron survival via mTOR-dependent mechanisms. <i>Molecular and Cellular Neurosciences</i> , 2016, 74, 25-33.	1.0	15
914	Mitochondrial stress induces cellular senescence in an mTORC1-dependent manner. <i>Free Radical Biology and Medicine</i> , 2016, 95, 133-154.	1.3	35
915	Chordoma in children: Case-report and review of literature. <i>Reports of Practical Oncology and Radiotherapy</i> , 2016, 21, 1-7.	0.3	11

#	ARTICLE	IF	CITATIONS
916	Postprandial nutrient-sensing and metabolic responses after partial dietary fishmeal replacement by soyabean meal in turbot (<i>Scophthalmus maximus</i> L.). <i>British Journal of Nutrition</i> , 2016, 115, 379-388.	1.2	97
917	mTORC1-Driven Tumor Cells Are Highly Sensitive to Therapeutic Targeting by Antagonists of Oxidative Stress. <i>Cancer Research</i> , 2016, 76, 4816-4827.	0.4	23
918	Inhibition of PRL-2/CNNM3 Protein Complex Formation Decreases Breast Cancer Proliferation and Tumor Growth. <i>Journal of Biological Chemistry</i> , 2016, 291, 10716-10725.	1.6	39
919	Lymphangioliomyomatosis: Current understanding and potential treatments. , 2016, 158, 114-124.		39
920	Induction of protective autophagy against apoptosis in HepG2 cells by isoniazid independent of the p38 signaling pathway. <i>Toxicology Research</i> , 2016, 5, 963-972.	0.9	5
921	mTOR transcriptionally and post-transcriptionally regulates Npm1 gene expression to contribute to enhanced proliferation in cells with Pten inactivation. <i>Cell Cycle</i> , 2016, 15, 1352-1362.	1.3	8
922	S6K1 Phosphorylation of H2B Mediates EZH2 Trimethylation of H3: A Determinant of Early Adipogenesis. <i>Molecular Cell</i> , 2016, 62, 443-452.	4.5	65
924	The high-risk HPV E6 target scribble (hScrib) is required for HPV E6 expression in cervical tumour-derived cell lines. <i>Papillomavirus Research (Amsterdam, Netherlands)</i> , 2016, 2, 70-77.	4.5	23
925	Transcriptome analysis reveals the molecular mechanisms underlying growth superiority in a novel grouper hybrid (<i>Epinephelus fuscogutatus</i> × <i>E. lanceolatus</i>). <i>BMC Genetics</i> , 2016, 17, 24.	2.7	94
926	Differential effects of the two amino acid sensing systems, the GCN2 kinase and the mTOR complex 1, on primary human alloreactive CD4+ T-cells. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1412-1420.	1.8	26
927	mTOR inactivation in myocardium from infant mice rapidly leads to dilated cardiomyopathy due to translation defects and p53/JNK-mediated apoptosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 213-225.	0.9	43
928	Step back for seminal translation. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 362-363.	3.6	0
929	Real-Time Imaging of Translation on Single mRNA Transcripts in Live Cells. <i>Cell</i> , 2016, 165, 990-1001.	13.5	305
930	Yin and yang of 4E-BP1 in cancer. <i>Cell Cycle</i> , 2016, 15, 1401-1402.	1.3	7
931	Codon optimality controls differential mRNA translation during amino acid starvation. <i>Rna</i> , 2016, 22, 1719-1727.	1.6	47
932	A disputed evidence on obesity: comparison of the effects of <i>Rcan2</i> and <i>Rps6kb1</i> mutations on growth and body weight in C57BL/6J mice. <i>Journal of Zhejiang University: Science B</i> , 2016, 17, 657-671.	1.3	3
933	MicroRNAs miR-125b and miR-100 suppress metastasis of hepatocellular carcinoma by disrupting the formation of vessels that encapsulate tumour clusters. <i>Journal of Pathology</i> , 2016, 240, 450-460.	2.1	66
934	Connexin hemichannels explain the ionic imbalance and lead to atrophy in denervated skeletal muscles. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 2168-2176.	1.8	20

#	ARTICLE	IF	CITATIONS
935	Sex-specific pharmacological modulation of autophagic process in human umbilical artery smooth muscle cells. <i>Pharmacological Research</i> , 2016, 113, 166-174.	3.1	16
936	mTORC1 Activation Promotes Spermatogonial Differentiation and Causes Subfertility in Mice. <i>Biology of Reproduction</i> , 2016, 95, 97-97.	1.2	22
937	mTORC1 is a critical mediator of oncogenic Semaphorin3A signaling. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 475-480.	1.0	9
938	BCKA down-regulates mTORC2-Akt signal and enhances apoptosis susceptibility in cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 106-113.	1.0	13
939	Sensing the Environment Through Sestrins: Implications for Cellular Metabolism. <i>International Review of Cell and Molecular Biology</i> , 2016, 327, 1-42.	1.6	30
940	Pleiotropic mechanisms of action of perhexiline in heart failure. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1049-1059.	2.4	16
941	Leucyl-tRNA Synthetase Activates Vps34 in Amino Acid-Sensing mTORC1 Signaling. <i>Cell Reports</i> , 2016, 16, 1510-1517.	2.9	73
942	Metabolic plasticity underpins innate and acquired resistance to LDHA inhibition. <i>Nature Chemical Biology</i> , 2016, 12, 779-786.	3.9	180
943	The Lysosome as a Regulatory Hub. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 223-253.	4.0	412
944	Klippel-Trenaunay syndrome belongs to the PI3KCA-related overgrowth spectrum (PROS). <i>Experimental Dermatology</i> , 2016, 25, 17-19.	1.4	143
945	mTORC1 signaling and IL-17 expression: Defining pathways and possible therapeutic targets. <i>European Journal of Immunology</i> , 2016, 46, 291-299.	1.6	91
946	Metabolic Reprogramming by the PI3K-Akt-mTOR Pathway in Cancer. <i>Recent Results in Cancer Research</i> , 2016, 207, 39-72.	1.8	143
947	Metabolism in Cancer. <i>Recent Results in Cancer Research</i> , 2016, , .	1.8	5
948	Proliferation, survival and metabolism: the role of PI3K/AKT/mTOR signalling in pluripotency and cell fate determination. <i>Development (Cambridge)</i> , 2016, 143, 3050-3060.	1.2	803
949	Dynamic Rearrangement in Snake Venom Gland Proteome: Insights into <i>Bothrops jararaca</i> Intraspecific Venom Variation. <i>Journal of Proteome Research</i> , 2016, 15, 3752-3762.	1.8	30
950	Clinical significance of T cell metabolic reprogramming in cancer. <i>Clinical and Translational Medicine</i> , 2016, 5, 29.	1.7	69
951	Evolution of TOR and Translation Control. , 2016, , 327-411.		8
952	The plant energy sensor: evolutionary conservation and divergence of SnRK1 structure, regulation, and function. <i>Journal of Experimental Botany</i> , 2016, 67, 6215-6252.	2.4	206

#	ARTICLE	IF	CITATIONS
953	Asparagine promotes cancer cell proliferation through use as an amino acid exchange factor. <i>Nature Communications</i> , 2016, 7, 11457.	5.8	386
954	Hyperconnectivity of prefrontal cortex to amygdala projections in a mouse model of macrocephaly/autism syndrome. <i>Nature Communications</i> , 2016, 7, 13421.	5.8	86
955	A proteomic adaptation of small intestinal mucosa in response to dietary protein limitation. <i>Scientific Reports</i> , 2016, 6, 36888.	1.6	12
956	Class I PI3K inhibitor ZSTK474 mediates a shift in microglial/macrophage phenotype and inhibits inflammatory response in mice with cerebral ischemia/reperfusion injury. <i>Journal of Neuroinflammation</i> , 2016, 13, 192.	3.1	30
957	4EBP1/c-MYC/PUMA and NF- κ B/EGR1/BIM pathways underlie cytotoxicity of mTOR dual inhibitors in malignant lymphoid cells. <i>Blood</i> , 2016, 127, 2711-2722.	0.6	49
958	Translational Control in Echinoderms: The Calm Before the Storm. , 2016, , 413-434.		5
959	Expansion of eIF4E and 4E-BP Family Members in Deuterostomes. , 2016, , 165-185.		2
960	Identification of phenotype-relevant differentially expressed genes in breast cancer demonstrates enhanced quantile discretization protocol's utility in multi-platform microarray data integration. <i>Journal of Bioinformatics and Computational Biology</i> , 2016, 14, 1650022.	0.3	2
961	Synthesis of Lipidated Proteins. <i>Bioconjugate Chemistry</i> , 2016, 27, 1771-1783.	1.8	21
962	LncRNA GAS5 inhibits proliferation and progression of prostate cancer by targeting miR-103 through AKT/mTOR signaling pathway. <i>Tumor Biology</i> , 2016, 37, 16187-16197.	0.8	94
963	Alteration of protein prenylation promotes spermatogonial differentiation and exhausts spermatogonial stem cells in newborn mice. <i>Scientific Reports</i> , 2016, 6, 28917.	1.6	18
964	Hyperactivation of the Insulin Signaling Pathway Improves Intracellular Proteostasis by Coordinately Up-regulating the Proteostatic Machinery in Adipocytes. <i>Journal of Biological Chemistry</i> , 2016, 291, 25629-25640.	1.6	15
965	Mechanistic target of rapamycin (mTOR) regulates trophoblast folate uptake by modulating the cell surface expression of FR- β and the RFC. <i>Scientific Reports</i> , 2016, 6, 31705.	1.6	37
966	Survival analysis of sirolimus-based immunosuppression in liver transplantation in patients with hepatocellular carcinoma. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2016, 40, 674-681.	0.7	22
967	Efficacy and Safety of Leucine Supplementation in the Elderly. <i>Journal of Nutrition</i> , 2016, 146, 2625S-2629S.	1.3	54
968	Muscarinic acetylcholine receptors mediate eIF4B phosphorylation in SNU-407 colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 450-454.	1.0	3
969	Quantitative phosphoproteomics reveals the role of the AMPK plant ortholog SnRK1 as a metabolic master regulator under energy deprivation. <i>Scientific Reports</i> , 2016, 6, 31697.	1.6	252
970	Nrf2 Transcription Factor Can Directly Regulate mTOR. <i>Journal of Biological Chemistry</i> , 2016, 291, 25476-25488.	1.6	64

#	ARTICLE	IF	CITATIONS
971	Discovery of Leucyladenylate Sulfamates as Novel Leucyl-tRNA Synthetase (LRS)-Targeted Mammalian Target of Rapamycin Complex 1 (mTORC1) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10322-10328.	2.9	15
972	Insulin promotes proliferation and fibrosing responses in activated pancreatic stellate cells. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G675-G687.	1.6	41
973	Glycine Regulates Protein Turnover by Activating Protein Kinase B/Mammalian Target of Rapamycin and by Inhibiting MuRF1 and Atrogin-1 Gene Expression in C2C12 Myoblasts. <i>Journal of Nutrition</i> , 2016, 146, 2461-2467.	1.3	41
974	Autocrine Semaphorin3A signaling is essential for the maintenance of stem-like cells in lung cancer. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 375-379.	1.0	11
975	AMPK Regulation of Cell Growth, Apoptosis, Autophagy, and Bioenergetics. <i>Exs</i> , 2016, 107, 45-71.	1.4	60
976	PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: Effects of insulin on mammary gland differentiation during pregnancy and lactation1. <i>Journal of Animal Science</i> , 2016, 94, 1812-1820.	0.2	12
977	A new mechanism of regulation of p21 by the mTORC1/4E-BP1 pathway predicts clinical outcome of head and neck cancer. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1159275.	0.3	4
978	Activation of mTORC1 in B Lymphocytes Promotes Osteoclast Formation via Regulation of β -Catenin and RANKL/OPG. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1320-1333.	3.1	36
979	An evolutionary perspective of AMPK-TOR signaling in the three domains of life. <i>Journal of Experimental Botany</i> , 2016, 67, 3897-3907.	2.4	72
980	Rheb1 promotes tumor progression through mTORC1 in MLL-AF9-initiated murine acute myeloid leukemia. <i>Journal of Hematology and Oncology</i> , 2016, 9, 36.	6.9	21
981	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. <i>Nature Cell Biology</i> , 2016, 18, 803-813.	4.6	95
982	Systemic therapies for advanced gastroenteropancreatic neuroendocrine tumors. <i>Expert Review of Endocrinology and Metabolism</i> , 2016, 11, 1-17.	1.2	1
983	A viral kinase mimics S6 kinase to enhance cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7876-7881.	3.3	32
984	The mTOR signalling cascade: paving new roads to cure neurological disease. <i>Nature Reviews Neurology</i> , 2016, 12, 379-392.	4.9	283
985	The Genetics of Autism Spectrum Disorders. <i>Research and Perspectives in Endocrine Interactions</i> , 2016, , 101-129.	0.2	47
986	Evidence for an Age-Dependent Decline in Axon Regeneration in the Adult Mammalian Central Nervous System. <i>Cell Reports</i> , 2016, 15, 238-246.	2.9	117
987	Torin2 Suppresses Ionizing Radiation-Induced DNA Damage Repair. <i>Radiation Research</i> , 2016, 185, 527-538.	0.7	11
988	Reprint of "Chordoma in children: Case-report and review of literature" Reports of Practical Oncology and Radiotherapy, 2016, 21, 412-417.	0.3	4

#	ARTICLE	IF	CITATIONS
989	Regulation of mTORC1 by growth factors, energy status, amino acids and mechanical stimuli at a glance. <i>Journal of the International Society of Sports Nutrition</i> , 2016, 13, 8.	1.7	91
990	Cell type-specific control of protein synthesis and proliferation by FGF-dependent signaling to the translation repressor 4E-BP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7545-7550.	3.3	18
991	LRH-1-dependent programming of mitochondrial glutamine processing drives liver cancer. <i>Genes and Development</i> , 2016, 30, 1255-1260.	2.7	56
993	Rheb signaling and tumorigenesis: <scp>mTORC1</scp> and new horizons. <i>International Journal of Cancer</i> , 2016, 138, 1815-1823.	2.3	26
994	Coordinated Regulation of Cap-Dependent Translation and MicroRNA Function by Convergent Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2016, 36, 2360-2373.	1.1	14
995	Altered expression of autophagy-related genes might contribute to glucocorticoid resistance in precursor B-cell acute lymphoblastic leukemia. <i>European Journal of Haematology</i> , 2016, 97, 453-460.	1.1	15
996	Stress responses to short-term intensified and reduced training in competitive weightlifters. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 29-40.	1.3	17
997	mTORC signaling in hematopoiesis. <i>International Journal of Hematology</i> , 2016, 103, 510-518.	0.7	23
998	Combined effects of mineral trioxide aggregate and human placental extract on rat pulp tissue and growth, differentiation and angiogenesis in human dental pulp cells. <i>Acta Odontologica Scandinavica</i> , 2016, 74, 298-306.	0.9	16
999	Autophagy is involved in regulating influenza A virus RNA and protein synthesis associated with both modulation of Hsp90 induction and mTOR/p70S6K signaling pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 72, 100-108.	1.2	40
1000	The First Alcohol Drink Triggers mTORC1-Dependent Synaptic Plasticity in Nucleus Accumbens Dopamine D1 Receptor Neurons. <i>Journal of Neuroscience</i> , 2016, 36, 701-713.	1.7	82
1001	Characterizing inactive ribosomes in translational profiling. <i>Translation</i> , 2016, 4, e1138018.	2.9	28
1002	Rag GTPase in amino acid signaling. <i>Amino Acids</i> , 2016, 48, 915-928.	1.2	42
1003	Structural insights of mTOR complex 1. <i>Cell Research</i> , 2016, 26, 267-268.	5.7	28
1004	mTOR, cardiomyocytes and inflammation in cardiac hypertrophy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1894-1903.	1.9	89
1005	The mTOR Pathway and Aging. , 2016, , 55-81.		3
1006	Modulation of Glucocorticoid Resistance in Pediatric T-cell Acute Lymphoblastic Leukemia by Increasing BIM Expression with the PI3K/mTOR Inhibitor BEZ235. <i>Clinical Cancer Research</i> , 2016, 22, 621-632.	3.2	68
1007	Pioglitazone, a PPAR β agonist, attenuates PDGF-induced vascular smooth muscle cell proliferation through AMPK-dependent and AMPK-independent inhibition of mTOR/p70S6K and ERK signaling. <i>Biochemical Pharmacology</i> , 2016, 101, 54-70.	2.0	50

#	ARTICLE	IF	CITATIONS
1008	Intrathecal administration of rapamycin inhibits the phosphorylation of DRG Nav1.8 and attenuates STZ-induced painful diabetic neuropathy in rats. <i>Neuroscience Letters</i> , 2016, 619, 21-28.	1.0	22
1009	The PtdIns3-kinase phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. <i>FEBS Letters</i> , 2016, 590, 161-173.	1.3	26
1010	Emerging evidence for beneficial macrophage functions in atherosclerosis and obesity-induced insulin resistance. <i>Journal of Molecular Medicine</i> , 2016, 94, 267-275.	1.7	35
1011	mTORC1 alters the expression of glycolytic genes by regulating KPNA2 abundances. <i>Journal of Proteomics</i> , 2016, 136, 13-24.	1.2	11
1012	Lewis lung carcinoma regulation of mechanical stretch-induced protein synthesis in cultured myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C66-C79.	2.1	32
1013	Maternal diabetes promotes mTORC1 downstream signalling in rabbit preimplantation embryos. <i>Reproduction</i> , 2016, 151, 465-476.	1.1	22
1014	Secreted IGFBP5 mediates mTORC1-dependent feedback inhibition of IGF-1 signalling. <i>Nature Cell Biology</i> , 2016, 18, 319-327.	4.6	55
1015	Hypoxia Increases IGFBP-1 Phosphorylation Mediated by mTOR Inhibition. <i>Molecular Endocrinology</i> , 2016, 30, 201-216.	3.7	23
1016	Stabilization of p21 by mTORC1/4E-BP1 predicts clinical outcome of head and neck cancers. <i>Nature Communications</i> , 2016, 7, 10438.	5.8	37
1017	eCF309: a potent, selective and cell-permeable mTOR inhibitor. <i>MedChemComm</i> , 2016, 7, 471-477.	3.5	18
1018	Switching on mTORC1 induces neurogenesis but not proliferation in neural stem cells of young mice. <i>Neuroscience Letters</i> , 2016, 614, 112-118.	1.0	15
1019	The role of amino acid-induced mammalian target of rapamycin complex 1 (mTORC1) signaling in insulin resistance. <i>Experimental and Molecular Medicine</i> , 2016, 48, e201-e201.	3.2	33
1020	The Evolving Role of Mammalian Target of Rapamycin (mTOR) Inhibitors in Renal Cell Carcinoma. , 2016, , 47-66.		0
1021	Life in the cold: links between mammalian hibernation and longevity. <i>Biomolecular Concepts</i> , 2016, 7, 41-52.	1.0	53
1022	Interferon β (IFN β) Signaling via Mechanistic Target of Rapamycin Complex 2 (mTORC2) and Regulatory Effects in the Generation of Type II Interferon Biological Responses. <i>Journal of Biological Chemistry</i> , 2016, 291, 2389-2396.	1.6	25
1023	TOR Signaling and Nutrient Sensing. <i>Annual Review of Plant Biology</i> , 2016, 67, 261-285.	8.6	329
1024	4E-BP1, a multifactor regulated multifunctional protein. <i>Cell Cycle</i> , 2016, 15, 781-786.	1.3	233
1025	PP2A as a master regulator of the cell cycle. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 162-184.	2.3	263

#	ARTICLE	IF	CITATIONS
1026	Medical Management of Pancreatic Neuroendocrine Tumors. <i>Surgical Oncology Clinics of North America</i> , 2016, 25, 423-437.	0.6	12
1027	The Enigma of Rapamycin Dosage. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 347-353.	1.9	80
1028	Inhibition of Mitogen-activated Protein Kinase (MAPK)-interacting Kinase (MNK) Preferentially Affects Translation of mRNAs Containing Both a 5â€²-Terminal Cap and Hairpin. <i>Journal of Biological Chemistry</i> , 2016, 291, 3455-3467.	1.6	31
1029	Long-term consequences of conditional genetic deletion of PTEN in the sensorimotor cortex of neonatal mice. <i>Experimental Neurology</i> , 2016, 279, 27-39.	2.0	24
1030	Global Liver Proteome Analysis Using iTRAQ Reveals AMPKâ€™mTORâ€™ Autophagy Signaling Is Altered by Intrauterine Growth Restriction in Newborn Piglets. <i>Journal of Proteome Research</i> , 2016, 15, 1262-1273.	1.8	27
1031	Novel quinoline-derived mTOR inhibitors with remarkable enzymatic and cellular activities: design, synthesis and biological evaluation. <i>MedChemComm</i> , 2016, 7, 297-310.	3.5	7
1032	Mechanisms of Post-transcriptional Gene Regulation. , 2016, , 1-36.		0
1033	Adolescent Cannabinoid Exposure Induces a Persistent Sub-Cortical Hyper-Dopaminergic State and Associated Molecular Adaptations in the Prefrontal Cortex. <i>Cerebral Cortex</i> , 2017, 27, bhv335.	1.6	72
1034	Asparagine deprivation mediated by <i>Salmonella</i> asparaginase causes suppression of activation-induced T cell metabolic reprogramming. <i>Journal of Leukocyte Biology</i> , 2016, 99, 387-398.	1.5	39
1035	Hepatic De Novo Lipogenesis and Regulation of Metabolism. , 2016, , .		7
1036	MECHANISMS IN ENDOCRINOLOGY: Metabolic and inflammatory pathways on the pathogenesis of type 2 diabetes. <i>European Journal of Endocrinology</i> , 2016, 174, R175-R187.	1.9	50
1037	The Lipid Kinase PI5P4KÎ² Is an Intracellular GTP Sensor for Metabolism and Tumorigenesis. <i>Molecular Cell</i> , 2016, 61, 187-198.	4.5	62
1038	Kinase signalling pathways in endometriosis: potential targets for non-hormonal therapeutics. <i>Human Reproduction Update</i> , 2016, 22, 382-403.	5.2	138
1039	mTOR Inhibition for Cancer Therapy: Past, Present and Future. , 2016, , .		3
1040	p53 Deletion or Hotspot Mutations Enhance mTORC1 Activity by Altering Lysosomal Dynamics of TSC2 and Rheb. <i>Molecular Cancer Research</i> , 2016, 14, 66-77.	1.5	33
1041	Molecular Genetics of the PI3K-AKT-mTOR Pathway in Genodermatoses: Diagnostic Implications and Treatment Opportunities. <i>Journal of Investigative Dermatology</i> , 2016, 136, 15-23.	0.3	35
1042	Combination Therapy Targeting Ribosome Biogenesis and mRNA Translation Synergistically Extends Survival in MYC-Driven Lymphoma. <i>Cancer Discovery</i> , 2016, 6, 59-70.	7.7	105
1043	iTRAQ-based comparative proteomic analysis of Vero cells infected with virulent and CV777 vaccine strain-like strains of porcine epidemic diarrhea virus. <i>Journal of Proteomics</i> , 2016, 130, 65-75.	1.2	51

#	ARTICLE	IF	CITATIONS
1044	Role of mTOR in glioblastoma. <i>Gene</i> , 2016, 575, 187-190.	1.0	59
1045	Molecular and cellular mechanisms linking inflammation to insulin resistance and β -cell dysfunction. <i>Translational Research</i> , 2016, 167, 228-256.	2.2	217
1046	Influence of age-related learning and memory capacity of mice: different effects of a high and low caloric diet. <i>Aging Clinical and Experimental Research</i> , 2016, 28, 303-311.	1.4	47
1047	Dysregulation of FMRP/mTOR Signaling Cascade in Hypoxic-Ischemic Injury of Premature Human Brain. <i>Journal of Child Neurology</i> , 2016, 31, 426-432.	0.7	7
1048	mTOR Signaling in Parkinson's Disease. <i>NeuroMolecular Medicine</i> , 2017, 19, 1-10.	1.8	74
1049	CNS repair and axon regeneration: Using genetic variation to determine mechanisms. <i>Experimental Neurology</i> , 2017, 287, 409-422.	2.0	24
1050	Dual targeting of eIF4E by blocking MNK and mTOR pathways in leukemia. <i>Cytokine</i> , 2017, 89, 116-121.	1.4	29
1051	S6 protein kinase activates Juvenile Hormone and vitellogenin production in the cockroach <i>Blattella germanica</i> . <i>Physiological Entomology</i> , 2017, 42, 10-16.	0.6	5
1052	Proteomic analysis of ovarian cancer cells during epithelial-mesenchymal transition (EMT) induced by epidermal growth factor (EGF) reveals mechanisms of cell cycle control. <i>Journal of Proteomics</i> , 2017, 151, 2-11.	1.2	40
1053	BRAF ^{V600E} Mutant Colorectal Cancer Subtypes Based on Gene Expression. <i>Clinical Cancer Research</i> , 2017, 23, 104-115.	3.2	167
1054	mTOR complex 1 signalling regulates the balance between lipid synthesis and oxidation in hypoxia lymphocytes. <i>Bioscience Reports</i> , 2017, 37, .	1.1	10
1055	General Control Nonderepressible 2 (GCN2) Kinase Inhibits Target of Rapamycin Complex 1 in Response to Amino Acid Starvation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 2660-2669.	1.6	42
1056	Muscle-specific deletion of BDK amplifies loss of myofibrillar protein during protein undernutrition. <i>Scientific Reports</i> , 2017, 7, 39825.	1.6	20
1057	The Novel mTOR Complex 1/2 Inhibitor P529 Inhibits Human Lung Myofibroblast Differentiation. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2241-2249.	1.2	14
1058	The involvement of cannabinoids and mTOR in the reconsolidation of an emotional memory in the hippocampal-amygdala-insular circuit. <i>European Neuropsychopharmacology</i> , 2017, 27, 336-349.	0.3	25
1059	Mammalian target of rapamycin (mTOR): a central regulator of male fertility?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 235-253.	2.3	34
1060	Mesenchymal stromal cells inhibit CD25 expression via the mTOR pathway to potentiate T-cell suppression. <i>Cell Death and Disease</i> , 2017, 8, e2632-e2632.	2.7	24
1061	PAQR3 augments amino acid deprivation-induced autophagy by inhibiting mTORC1 signaling. <i>Cellular Signalling</i> , 2017, 33, 98-106.	1.7	9

#	ARTICLE	IF	CITATIONS
1062	Targeting mTOR Signaling Can Prevent the Progression of FSGS. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2144-2157.	3.0	57
1063	AR-12 suppresses dengue virus replication by down-regulation of PI3K/AKT and GRP78. <i>Antiviral Research</i> , 2017, 142, 158-168.	1.9	50
1064	Androgen-mediated regulation of skeletal muscle protein balance. <i>Molecular and Cellular Endocrinology</i> , 2017, 447, 35-44.	1.6	71
1065	Usnic Acid Benzylidene Analogues as Potent Mechanistic Target of Rapamycin Inhibitors for the Control of Breast Malignancies. <i>Journal of Natural Products</i> , 2017, 80, 932-952.	1.5	24
1066	<scp>ZRF</scp> 1 is a novel S6 kinase substrate that drives the senescence programme. <i>EMBO Journal</i> , 2017, 36, 736-750.	3.5	33
1067	<scp>GTP</scp> ase <scp>ROP</scp> 2 binds and promotes activation of target of rapamycin, <scp>TOR</scp> , in response to auxin. <i>EMBO Journal</i> , 2017, 36, 886-903.	3.5	157
1068	Nuclear Factor of $\hat{\text{B}}1$ Is a Key Regulator for the Transcriptional Activation of Milk Synthesis in Bovine Mammary Epithelial Cells. <i>DNA and Cell Biology</i> , 2017, 36, 295-302.	0.9	29
1069	Metabolic influences on RNA biology and translation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 176-184.	2.3	3
1070	EPRS is a critical mTORC1- $\hat{\text{S}}6\text{K1}$ effector that influences adiposity in mice. <i>Nature</i> , 2017, 542, 357-361.	13.7	130
1071	MFN2 suppresses cancer progression through inhibition of mTORC2/Akt signaling. <i>Scientific Reports</i> , 2017, 7, 41718.	1.6	85
1072	Central Regulatory Role for SIN1 in Interferon $\hat{\text{I}}^3$ (IFN $\hat{\text{I}}^3$) Signaling and Generation of Biological Responses. <i>Journal of Biological Chemistry</i> , 2017, 292, 4743-4752.	1.6	6
1073	Altered gene expression and repressed markers of autophagy in skeletal muscle of insulin resistant patients with type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 43775.	1.6	57
1074	The Plasticity of Skeletal Muscle. , 2017, , .		0
1075	The Role of Ribosome Biogenesis in Skeletal Muscle Hypertrophy. , 2017, , 141-153.		3
1076	Potential of GPCRs to modulate MAPK and mTOR pathways in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2017, 149-150, 21-38.	2.8	42
1077	Phosphatidic acid: biosynthesis, pharmacokinetics, mechanisms of action and effect on strength and body composition in resistance-trained individuals. <i>Nutrition and Metabolism</i> , 2017, 14, 12.	1.3	16
1078	Macrophages confer survival signals via CCR1-dependent translational MCL-1 induction in chronic lymphocytic leukemia. <i>Oncogene</i> , 2017, 36, 3651-3660.	2.6	20
1079	Targeting MUC1-C inhibits the AKT-S6K1-eIF4A pathway regulating TICAR translation in colorectal cancer. <i>Molecular Cancer</i> , 2017, 16, 33.	7.9	48

#	ARTICLE	IF	CITATIONS
1080	The role of RNA alternative splicing in regulating cancer metabolism. <i>Human Genetics</i> , 2017, 136, 1113-1127.	1.8	89
1081	The mTOR Signaling Pathway in Myocardial Dysfunction in Type 2 Diabetes Mellitus. <i>Current Diabetes Reports</i> , 2017, 17, 38.	1.7	51
1082	A novel role of astrocyte elevated gene-1 (AEG-1) in regulating nonalcoholic steatohepatitis (NASH). <i>Hepatology</i> , 2017, 66, 466-480.	3.6	35
1083	DEPDC5 as a potential therapeutic target for epilepsy. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 591-600.	1.5	29
1084	Energy sensing pathways: Bridging type 2 diabetes and colorectal cancer?. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 1228-1236.	1.2	30
1085	Mammalian target of rapamycin (mTOR) as a potential therapeutic target in various diseases. <i>Inflammopharmacology</i> , 2017, 25, 293-312.	1.9	61
1086	The coccidian parasites <i>Toxoplasma</i> and <i>Neospora</i> dysregulate mammalian lipid droplet biogenesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 11009-11020.	1.6	50
1087	RET Signaling in Prostate Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 4885-4896.	3.2	42
1088	AMPK activates FOXO3a and promotes neuronal apoptosis in the developing rat brain during the early phase after hypoxia-ischemia. <i>Brain Research Bulletin</i> , 2017, 132, 1-9.	1.4	25
1089	The changes in glucose metabolism and cell proliferation in the kidneys of polycystic kidney disease mini-pig models. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 374-381.	1.0	14
1090	The centrosomal OFD1 protein interacts with the translation machinery and regulates the synthesis of specific targets. <i>Scientific Reports</i> , 2017, 7, 1224.	1.6	36
1091	Protein Kinases in Pluripotency—Beyond the Usual Suspects. <i>Journal of Molecular Biology</i> , 2017, 429, 1504-1520.	2.0	18
1092	TFEB and TFE3: The art of multi-tasking under stress conditions. <i>Transcription</i> , 2017, 8, 48-54.	1.7	32
1093	mTORC1 Inhibits NF- κ B/NFATc1 Signaling and Prevents Osteoclast Precursor Differentiation, In Vitro and In Mice. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1829-1840.	3.1	65
1094	Milk protein synthesis is regulated by T1R1/T1R3, a G protein-coupled taste receptor, through the mTOR pathway in the mouse mammary gland. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601017.	1.5	20
1095	The mTOR Substrate S6 Kinase 1 (S6K1) Is a Negative Regulator of Axon Regeneration and a Potential Drug Target for Central Nervous System Injury. <i>Journal of Neuroscience</i> , 2017, 37, 7079-7095.	1.7	77
1096	Acute Hypoglycemia in Healthy Humans Impairs Insulin-Stimulated Glucose Uptake and Glycogen Synthase in Skeletal Muscle: A Randomized Clinical Study. <i>Diabetes</i> , 2017, 66, 2483-2494.	0.3	7
1097	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 8.	4.5	21

#	ARTICLE	IF	CITATIONS
1098	Metformin Synergizes with BCL-XL/BCL-2 Inhibitor ABT-263 to Induce Apoptosis Specifically in p53-Defective Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1806-1818.	1.9	15
1099	Anatomy and Cell Biology of Autism Spectrum Disorder: Lessons from Human Genetics. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 224, 1-25.	1.0	10
1100	Oncogenic Roles of the PI3K/AKT/mTOR Axis. <i>Current Topics in Microbiology and Immunology</i> , 2017, 407, 153-189.	0.7	242
1101	MicroRNA-494 improves functional recovery and inhibits apoptosis by modulating PTEN/AKT/mTOR pathway in rats after spinal cord injury. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 879-887.	2.5	64
1102	A harmine-derived beta-carboline displays anti-cancer effects in vitro by targeting protein synthesis. <i>European Journal of Pharmacology</i> , 2017, 805, 25-35.	1.7	46
1103	ALA-PDT suppressing the cell growth and reducing the lipogenesis in human SZ95 sebocytes by mTOR signaling pathway in vitro. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 295-301.	1.3	21
1104	Cell-autonomous requirement for mammalian target of rapamycin (Mtor) in spermatogonial proliferation and differentiation in the mouse. <i>Biology of Reproduction</i> , 2017, 96, 816-828.	1.2	47
1105	TSC2/Rheb signaling mediates ERK-dependent regulation of mTORC1 activity in C2C12 myoblasts. <i>FEBS Open Bio</i> , 2017, 7, 424-433.	1.0	18
1106	mTORC1 senses stresses: Coupling stress to proteostasis. <i>BioEssays</i> , 2017, 39, 1600268.	1.2	59
1107	The role of the TOR pathway in mediating the link between nutrition and longevity. <i>Mechanisms of Ageing and Development</i> , 2017, 164, 127-138.	2.2	64
1108	The metabolic waste ammonium regulates mTORC2 and mTORC1 signaling. <i>Scientific Reports</i> , 2017, 7, 44602.	1.6	31
1109	Brain Development and Akt Signaling: the Crossroads of Signaling Pathway and Neurodevelopmental Diseases. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 379-384.	1.1	131
1110	Dietary gossypol suppressed postprandial TOR signaling and elevated ER stress pathways in turbot (<i>Scophthalmus maximus</i> L.). <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E37-E47.	1.8	35
1111	Intact initiation of autophagy and mitochondrial fission by acute exercise in skeletal muscle of patients with Type 2 diabetes. <i>Clinical Science</i> , 2017, 131, 37-47.	1.8	34
1112	Developing anti-neoplastic biotherapeutics against eIF4F. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 1681-1692.	2.4	8
1113	m6A Facilitates eIF4F-Independent mRNA Translation. <i>Molecular Cell</i> , 2017, 68, 504-514.e7.	4.5	197
1114	Lysosomal metabolomics reveals V-ATPase- and mTOR-dependent regulation of amino acid efflux from lysosomes. <i>Science</i> , 2017, 358, 807-813.	6.0	450
1116	mTORC1-Mediated Inhibition of 4EBP1 Is Essential for Hedgehog Signaling-Driven Translation and Medulloblastoma. <i>Developmental Cell</i> , 2017, 43, 673-688.e5.	3.1	48

#	ARTICLE	IF	CITATIONS
1117	Carbon monoxide regulates glycolysis-dependent NLRP3 inflammasome activation in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 957-963.	1.0	21
1118	mTORC1 Couples Nucleotide Synthesis to Nucleotide Demand Resulting in a Targetable Metabolic Vulnerability. <i>Cancer Cell</i> , 2017, 32, 624-638.e5.	7.7	109
1119	Methionine Induces <i>LAT1</i> Expression in Dairy Cow Mammary Gland by Activating the mTORC1 Signaling Pathway. <i>DNA and Cell Biology</i> , 2017, 36, 1126-1133.	0.9	11
1120	Role of the Akt/mTOR signaling pathway in human papillomavirus-associated nasal and sinonasal inverted papilloma. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 1067-1074.	0.9	11
1121	Cell Stress Responses to Pulsed Electric Fields. , 2017, , 289-305.		0
1122	Emerging Roles for the Lysosome in Lipid Metabolism. <i>Trends in Cell Biology</i> , 2017, 27, 833-850.	3.6	181
1123	Grain challenge affects systemic and hepatic molecular biomarkers of inflammation, stress, and metabolic responses to a greater extent in Holstein than Jersey cows. <i>Journal of Dairy Science</i> , 2017, 100, 9153-9162.	1.4	17
1124	<i>Rhus coriaria</i> increases protein ubiquitination, proteasomal degradation and triggers non-canonical Beclin-1-independent autophagy and apoptotic cell death in colon cancer cells. <i>Scientific Reports</i> , 2017, 7, 11633.	1.6	45
1125	The Protein and Energy Metabolic Response of Skeletal Muscle to the Low-Protein Diets in Growing Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8544-8551.	2.4	14
1126	Metabolic Regulation of T Cell Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1011, 87-130.	0.8	5
1127	A Split-Abl Kinase for Direct Activation in Cells. <i>Cell Chemical Biology</i> , 2017, 24, 1250-1258.e4.	2.5	12
1128	mTOR Inhibition Restores Amino Acid Balance in Cells Dependent on Catabolism of Extracellular Protein. <i>Molecular Cell</i> , 2017, 67, 936-946.e5.	4.5	78
1129	mTOR-related neuropathology in mutant <i>tsc2</i> zebrafish: Phenotypic, transcriptomic and pharmacological analysis. <i>Neurobiology of Disease</i> , 2017, 108, 225-237.	2.1	29
1130	Prosap1-Dependent Synaptic Adaptations in the Nucleus Accumbens Drive Alcohol Intake, Seeking, and Reward. <i>Neuron</i> , 2017, 96, 145-159.e8.	3.8	49
1131	Insulin Regulation of Proteostasis and Clinical Implications. <i>Cell Metabolism</i> , 2017, 26, 310-323.	7.2	85
1132	Regulation of the insulin- <i>Akt</i> signaling pathway and glycolysis during dehydration stress in the African clawed frog <i>Xenopus laevis</i> . <i>Biochemistry and Cell Biology</i> , 2017, 95, 663-671.	0.9	11
1133	Tuberous sclerosis complex: Recent advances in manifestations and therapy. <i>International Journal of Urology</i> , 2017, 24, 681-691.	0.5	47
1134	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.	4.5	40

#	ARTICLE	IF	CITATIONS
1135	mTORC1 Regulates Mitochondrial Integrated Stress Response and Mitochondrial Myopathy Progression. <i>Cell Metabolism</i> , 2017, 26, 419-428.e5.	7.2	291
1136	Phosphorylated mTOR and YAP serve as prognostic markers and therapeutic targets in gliomas. <i>Laboratory Investigation</i> , 2017, 97, 1354-1363.	1.7	29
1137	Bidirectional manipulation of mTOR signaling disrupts socially mediated vocal learning in juvenile songbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9463-9468.	3.3	28
1138	Growth factor, energy and nutrient sensing signalling pathways in metabolic ageing. <i>Biogerontology</i> , 2017, 18, 913-929.	2.0	32
1139	The endotoxemia cardiac dysfunction is attenuated by AMPK/mTOR signaling pathway regulating autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 520-527.	1.0	58
1140	<i>Drosophila</i> Studies on Autism Spectrum Disorders. <i>Neuroscience Bulletin</i> , 2017, 33, 737-746.	1.5	23
1141	Mechanisms of mTORC1 activation by RHEB and inhibition by PRAS40. <i>Nature</i> , 2017, 552, 368-373.	13.7	373
1142	PI3K β activates E2F1 synthesis in response to mRNA translation stress. <i>Nature Communications</i> , 2017, 8, 2103.	5.8	20
1143	Injury Activates Transient Olfactory Stem Cell States with Diverse Lineage Capacities. <i>Cell Stem Cell</i> , 2017, 21, 775-790.e9.	5.2	67
1144	Post-transcriptional Regulation of De Novo Lipogenesis by mTORC1-S6K1-SRPK2 Signaling. <i>Cell</i> , 2017, 171, 1545-1558.e18.	13.5	159
1145	A cell based, high throughput assay for quantitative analysis of Hedgehog pathway activation using a Smoothed activation sensor. <i>Scientific Reports</i> , 2017, 7, 14341.	1.6	7
1146	Ronin Governs Early Heart Development by Controlling Core Gene Expression Programs. <i>Cell Reports</i> , 2017, 21, 1562-1573.	2.9	16
1147	Proteome-wide modulation of degradation dynamics in response to growth arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10329-E10338.	3.3	24
1148	<i>MRF</i> Family Genes Are Involved in Translation Control, Especially under Energy-Deficient Conditions, and Their Expression and Functions Are Modulated by the TOR Signaling Pathway. <i>Plant Cell</i> , 2017, 29, 2895-2920.	3.1	36
1149	Mammalian target of rapamycin signaling is a mechanistic link between increased endoplasmic reticulum stress and autophagy in the placentas of pregnancies complicated by growth restriction. <i>Placenta</i> , 2017, 60, 9-20.	0.7	27
1150	The GAS5/miR-222 Axis Regulates Proliferation of Gastric Cancer Cells Through the PTEN/Akt/mTOR Pathway. <i>Digestive Diseases and Sciences</i> , 2017, 62, 3426-3437.	1.1	59
1151	The genomic landscape of tuberous sclerosis complex. <i>Nature Communications</i> , 2017, 8, 15816.	5.8	154
1152	Differential roles of the infralimbic and prelimbic areas of the prefrontal cortex in reconsolidation of a traumatic memory. <i>European Neuropsychopharmacology</i> , 2017, 27, 900-912.	0.3	16

#	ARTICLE	IF	CITATIONS
1153	Treatment of sarcopenia and glucose intolerance through mitochondrial activation by 5-aminolevulinic acid. <i>Scientific Reports</i> , 2017, 7, 4013.	1.6	21
1154	Eukaryotic translation initiation factors and cancer. <i>Tumor Biology</i> , 2017, 39, 101042831770980.	0.8	49
1155	Genetic variation in neurodegenerative diseases and its accessibility in the model organism <i>Caenorhabditis elegans</i> . <i>Human Genomics</i> , 2017, 11, 12.	1.4	20
1156	Advances in Understanding Autism Spectrum Disorder. <i>Journal of Pediatric Neurology</i> , 2017, 15, 096-098.	0.0	0
1157	Signaling involved in PTH-stimulated 4E-BP phosphorylation in prothoracic gland cells of <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2017, 96, 1-8.	0.9	8
1158	Reduced risk of apoptosis: mechanisms of stress responses. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 265-283.	2.2	35
1159	Diminished DYRK2 sensitizes hormone receptor-positive breast cancer to everolimus by the escape from degrading mTOR. <i>Cancer Letters</i> , 2017, 384, 27-38.	3.2	19
1160	mTORC1 and mTORC2 in cancer and the tumor microenvironment. <i>Oncogene</i> , 2017, 36, 2191-2201.	2.6	312
1161	Phenotypic and genotypic characterization of Chinese children diagnosed with tuberous sclerosis complex. <i>Clinical Genetics</i> , 2017, 91, 764-768.	1.0	28
1162	Evaluation of Akt and RICTOR Expression Levels in Astrocytomas of All Grades. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 93-103.	1.3	23
1163	The age factor in axonal repair after spinal cord injury: A focus on neuron-intrinsic mechanisms. <i>Neuroscience Letters</i> , 2017, 652, 41-49.	1.0	42
1164	CAMK2 β antagonizes mTORC1 activation during hepatocarcinogenesis. <i>Oncogene</i> , 2017, 36, 2446-2456.	2.6	16
1165	mTOR signaling plays a critical role in the defects observed in muscle-derived stem/progenitor cells isolated from a murine model of accelerated aging. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1375-1382.	1.2	27
1166	Exhaustive Training Leads to Hepatic Fat Accumulation. <i>Journal of Cellular Physiology</i> , 2017, 232, 2094-2103.	2.0	16
1167	IGF-1 prevents simvastatin-induced myotoxicity in C2C12 myotubes. <i>Archives of Toxicology</i> , 2017, 91, 2223-2234.	1.9	23
1168	Increased Activity of the Chondrocyte Translational Apparatus Accompanies Osteoarthritic Changes in Human and Rodent Knee Cartilage. <i>Arthritis and Rheumatology</i> , 2017, 69, 586-597.	2.9	22
1169	mTOR and neuronal cell cycle reentry: How impaired brain insulin signaling promotes Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 152-167.	0.4	65
1170	The Novel Pan-PIM Kinase Inhibitor, PIM447, Displays Dual Antimyeloma and Bone-Protective Effects, and Potently Synergizes with Current Standards of Care. <i>Clinical Cancer Research</i> , 2017, 23, 225-238.	3.2	42

#	ARTICLE	IF	CITATIONS
1171	Recent advances in targeting mTOR signaling pathway using small molecule inhibitors. <i>Journal of Drug Targeting</i> , 2017, 25, 189-201.	2.1	21
1172	The Triangle of Death in Alzheimer's Disease Brain: The Aberrant Cross-Talk Among Energy Metabolism, Mammalian Target of Rapamycin Signaling, and Protein Homeostasis Revealed by Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 364-387.	2.5	97
1173	Defective phosphoinositide metabolism in autism. <i>Journal of Neuroscience Research</i> , 2017, 95, 1161-1173.	1.3	25
1174	Inhibition of translation initiation factor eIF4A is required for apoptosis mediated by <i>Microplitis bicoloratus</i> bracovirus. <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 96, e21423.	0.6	26
1175	Downregulated Translation Initiation Signaling Predisposes Low-Birth-Weight Neonatal Pigs to Slower Rates of Muscle Protein Synthesis. <i>Frontiers in Physiology</i> , 2017, 8, 482.	1.3	8
1176	mTOR as a Key Regulator in Maintaining Skeletal Muscle Mass. <i>Frontiers in Physiology</i> , 2017, 8, 788.	1.3	327
1177	Regulation of Translation by TOR, eIF4E and eIF2 \pm in Plants: Current Knowledge, Challenges and Future Perspectives. <i>Frontiers in Plant Science</i> , 2017, 8, 644.	1.7	59
1178	Auxin Signaling in Regulation of Plant Translation Reinitiation. <i>Frontiers in Plant Science</i> , 2017, 8, 1014.	1.7	60
1179	Peripheral Transcription of NRG-ErbB Pathway Genes Are Upregulated in Treatment-Resistant Schizophrenia. <i>Frontiers in Psychiatry</i> , 2017, 8, 225.	1.3	20
1180	Inositol Hexaphosphate Inhibits Proliferation and Induces Apoptosis of Colon Cancer Cells by Suppressing the AKT/mTOR Signaling Pathway. <i>Molecules</i> , 2017, 22, 1657.	1.7	33
1181	Rhizoma Coptidis and Berberine as a Natural Drug to Combat Aging and Aging-Related Diseases via Anti-Oxidation and AMPK Activation. , 2017, 8, 760.		97
1182	Regulation of Osteoclast Growth and Fusion by mTOR/raptor and mTOR/riCTOR/Akt. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 54.	1.8	42
1183	The TOR Signaling Pathway in Spatial and Temporal Control of Cell Size and Growth. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 61.	1.8	48
1184	The TOR Signaling Network in the Model Unicellular Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Biomolecules</i> , 2017, 7, 54.	1.8	61
1185	Regulation and Modulation of Human DNA Polymerase β Activity and Function. <i>Genes</i> , 2017, 8, 190.	1.0	36
1186	Overview of Autophagy. , 2017, , 1-122.		1
1187	Macropinocytosis: A Metabolic Adaptation to Nutrient Stress in Cancer. <i>Frontiers in Endocrinology</i> , 2017, 8, 261.	1.5	170
1188	Autophagy Is Impaired in Neutrophils from Streptozotocin-Induced Diabetic Rats. <i>Frontiers in Immunology</i> , 2017, 8, 24.	2.2	17

#	ARTICLE	IF	CITATIONS
1189	Gene Manipulation Strategies to Identify Molecular Regulators of Axon Regeneration in the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 231.	1.8	20
1190	Repeated Exposure to D-Amphetamine Decreases Global Protein Synthesis and Regulates the Translation of a Subset of mRNAs in the Striatum. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 165.	1.4	11
1191	PI3K-mTOR-S6K Signaling Mediates Neuronal Viability via Collapsin Response Mediator Protein-2 Expression. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 288.	1.4	17
1192	Linking Cancer Cachexia-Induced Anabolic Resistance to Skeletal Muscle Oxidative Metabolism. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	1.9	37
1193	The Role of Insulin Receptor Isoforms in Diabetes and Its Metabolic and Vascular Complications. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-12.	1.0	41
1194	mTOR-Dependent Cell Proliferation in the Brain. <i>BioMed Research International</i> , 2017, 2017, 1-14.	0.9	70
1195	Tyrosine-mutated AAV2-mediated shRNA silencing of PTEN promotes axon regeneration of adult optic nerve. <i>PLoS ONE</i> , 2017, 12, e0174096.	1.1	21
1196	Carbohydrate-mediated responses during zygotic and early somatic embryogenesis in the endangered conifer, <i>Araucaria angustifolia</i> . <i>PLoS ONE</i> , 2017, 12, e0180051.	1.1	41
1197	Influenza virus differentially activates mTORC1 and mTORC2 signaling to maximize late stage replication. <i>PLoS Pathogens</i> , 2017, 13, e1006635.	2.1	74
1198	Mechanistic target of rapamycin is necessary for changes in dendritic spine morphology associated with long-term potentiation. <i>Molecular Brain</i> , 2017, 10, 50.	1.3	41
1199	Evidence that S6K1, but not 4E-BP1, mediates skeletal muscle pathology associated with loss of A-type lamins. <i>Cell Discovery</i> , 2017, 3, 17039.	3.1	13
1200	Phosphorylation-Mediated Control of Stress Responses Induced by Nanosecond Pulsed Electric Fields. , 2017, , .		1
1201	Protein Translation in Parkinson's Disease. , 2017, , 281-309.		5
1202	Diminished satellite cell fusion and S6K1 expression in myotubes derived from skeletal muscle of low birth weight neonatal pigs. <i>Physiological Reports</i> , 2017, 5, e13075.	0.7	12
1203	Proteomics analysis of bladder cancer invasion: Targeting EIF3D for therapeutic intervention. <i>Oncotarget</i> , 2017, 8, 69435-69455.	0.8	27
1204	The Expression and Prognostic Impact of the PI3K/AKT/mTOR Signaling Pathway in Advanced Esophageal Squamous Cell Carcinoma. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381875877.	0.8	31
1205	Cultured equine satellite cells as a model system to assess leucine stimulated protein synthesis in horse muscle. <i>Journal of Animal Science</i> , 2018, 96, 143-153.	0.2	12
1206	Variant ribosomal RNA alleles are conserved and exhibit tissue-specific expression. <i>Science Advances</i> , 2018, 4, eaao0665.	4.7	162

#	ARTICLE	IF	CITATIONS
1207	Targeting the intracellular signaling "STOP" and "GO" pathways for the treatment of alcohol use disorders. <i>Psychopharmacology</i> , 2018, 235, 1727-1743.	1.5	28
1208	mTORC1 Is Transiently Reactivated in Injured Nerves to Promote c-Jun Elevation and Schwann Cell Dedifferentiation. <i>Journal of Neuroscience</i> , 2018, 38, 4811-4828.	1.7	48
1209	RAPTOR Controls Developmental Growth Transitions by Altering the Hormonal and Metabolic Balance. <i>Plant Physiology</i> , 2018, 177, 565-593.	2.3	66
1210	S6K1 controls epigenetic plasticity for the expression of pancreatic β cell marker genes. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6674-6683.	1.2	7
1211	Targeting the phosphatidylinositol 3-kinase/Akt/mechanistic target of rapamycin signaling pathway in B-lineage acute lymphoblastic leukemia: An update. <i>Journal of Cellular Physiology</i> , 2018, 233, 6440-6454.	2.0	35
1212	Gemcitabine induces apoptosis and autophagy via the AMPK/mTOR signaling pathway in pancreatic cancer cells. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 665-671.	1.4	33
1213	Nox4 is a Target for Tuberin Deficiency Syndrome. <i>Scientific Reports</i> , 2018, 8, 3781.	1.6	5
1214	Removing 4E-BP Enables Synapses to Refine without Postsynaptic Activity. <i>Cell Reports</i> , 2018, 23, 11-22.	2.9	9
1215	Metabolomic studies identify changes in transmethylation and polyamine metabolism in a brain-specific mouse model of tuberous sclerosis complex. <i>Human Molecular Genetics</i> , 2018, 27, 2113-2124.	1.4	13
1216	The protective effect of alpha-lipoic acid against brain ischemia and reperfusion injury via mTOR signaling pathway in rats. <i>Neuroscience Letters</i> , 2018, 671, 108-113.	1.0	18
1217	An off-target effect of BX795 blocks herpes simplex virus type 1 infection of the eye. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	61
1218	Ecdysteroidogenesis and development in <i>Heliothis virescens</i> (Lepidoptera: Noctuidae): Focus on PTH-stimulated pathways. <i>Journal of Insect Physiology</i> , 2018, 107, 57-67.	0.9	22
1219	Dendrite growth and the effect of ectopic Rheb expression on cortical neurons. <i>Neuroscience Letters</i> , 2018, 671, 140-147.	1.0	19
1220	TSC1 and TSC2 regulate cilia length and canonical Hedgehog signaling via different mechanisms. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2663-2680.	2.4	34
1221	mTOR Inhibition Role in Cellular Mechanisms. <i>Transplantation</i> , 2018, 102, S3-S16.	0.5	26
1222	Maternal diabetes upregulates NOX2 and enhances myocardial ischaemia/reperfusion injury in adult offspring. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2200-2209.	1.6	13
1223	FCS-like zinc finger 6 and 10 repress SnRK1 signalling in Arabidopsis. <i>Plant Journal</i> , 2018, 94, 232-245.	2.8	55
1224	Protein translation, proteolysis and autophagy in human skeletal muscle atrophy after spinal cord injury. <i>Acta Physiologica</i> , 2018, 223, e13051.	1.8	14

#	ARTICLE	IF	CITATIONS
1225	Emerging role of branched chain amino acids in metabolic disorders: A mechanistic review. <i>PharmaNutrition</i> , 2018, 6, 47-54.	0.8	11
1226	The mTOR inhibitor AZD8055 overcomes tamoxifen resistance in breast cancer cells by down-regulating HSPB8. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1338-1346.	2.8	23
1227	Countervailing, time-dependent effects on host autophagy promote intracellular survival of <i>Leishmania</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 2617-2630.	1.6	44
1228	Red ginseng extracts attenuate skin inflammation in atopic dermatitis through p70 ribosomal protein S6 kinase activation. <i>Journal of Pharmacological Sciences</i> , 2018, 136, 9-15.	1.1	16
1229	The mTOR promotes oxidative stress-induced apoptosis of mesangial cells in diabetic nephropathy. <i>Molecular and Cellular Endocrinology</i> , 2018, 473, 31-43.	1.6	43
1230	Overexpression of mTOR and p(240â€“244)S6 in IDH1 Wild-Type Human Glioblastomas Is Predictive of Low Survival. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 403-414.	1.3	15
1231	Graded levels of a defatted green microalgae inclusion in diets for broiler chicks led to moderate up-regulation of protein synthesis pathway in the muscle and liver. <i>Algal Research</i> , 2018, 29, 290-296.	2.4	11
1232	A Unique Homeostatic Signaling Pathway Links Synaptic Inactivity to Postsynaptic mTORC1. <i>Journal of Neuroscience</i> , 2018, 38, 2207-2225.	1.7	28
1233	mTOR signaling in stem and progenitor cells. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	146
1234	Titanium nanoparticles influence the Akt/Tor signal pathway in the silkworm, <i>Bombyx mori</i> , silk gland. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21470.	0.6	4
1235	Assessing the mechanistic target of rapamycin complex-1 pathway in response to resistance exercise and feeding in human skeletal muscle by multiplex assay. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 945-949.	0.9	1
1236	Signaling Pathways Involved in the Regulation of mRNA Translation. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	236
1237	Capsaicin protects against testicular torsion injury through mTOR-dependent mechanism. <i>Theriogenology</i> , 2018, 113, 247-252.	0.9	16
1238	SESN2 negatively regulates cell proliferation and casein synthesis by inhibition the amino acid-mediated mTORC1 pathway in cow mammary epithelial cells. <i>Scientific Reports</i> , 2018, 8, 3912.	1.6	35
1239	Mesenteric Adipose-derived Stromal Cells From Crohnâ€™s Disease Patients Induce Protective Effects in Colonic Epithelial Cells and Mice With Colitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 1-16.	2.3	10
1240	The mTOR-S6 kinase pathway promotes stress granule assembly. <i>Cell Death and Differentiation</i> , 2018, 25, 1766-1780.	5.0	67
1241	AAV1.NT-3 gene therapy increases muscle fiber diameter through activation of mTOR pathway and metabolic remodeling in a CMT mouse model. <i>Gene Therapy</i> , 2018, 25, 129-138.	2.3	40
1242	Adipose morphology and metabolic disease. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	61

#	ARTICLE	IF	CITATIONS
1243	Properties of Epithelial Cells and Vaginal Secretions in Pregnant Women When <i>Lactobacillus crispatus</i> or <i>Lactobacillus iners</i> Dominate the Vaginal Microbiome. <i>Reproductive Sciences</i> , 2018, 25, 854-860.	1.1	24
1244	The cholangiocyte primary cilium in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1245-1253.	1.8	50
1245	Overexpression of eIF4F components in meningiomas and suppression of meningioma cell growth by inhibiting translation initiation. <i>Experimental Neurology</i> , 2018, 299, 299-307.	2.0	31
1246	Osteocalcin-dependent regulation of glucose metabolism and fertility: Skeletal implications for the development of insulin resistance. <i>Journal of Cellular Physiology</i> , 2018, 233, 3769-3783.	2.0	13
1247	Emerging biomarkers of lymphangioliomyomatosis. <i>Expert Review of Respiratory Medicine</i> , 2018, 12, 95-102.	1.0	22
1248	The target of rapamycin kinase affects biomass accumulation and cell cycle progression by altering carbon/nitrogen balance in synchronized <i>Chlamydomonas reinhardtii</i> cells. <i>Plant Journal</i> , 2018, 93, 355-376.	2.8	54
1249	Myelination and mTOR. <i>Glia</i> , 2018, 66, 693-707.	2.5	123
1250	The IKK-related kinase TBK1 activates mTORC1 directly in response to growth factors and innate immune agonists. <i>EMBO Journal</i> , 2018, 37, 19-38.	3.5	70
1251	Recent Discoveries on the Role of TOR (Target of Rapamycin) Signaling in Translation in Plants. <i>Plant Physiology</i> , 2018, 176, 1095-1105.	2.3	89
1252	BRD7 regulates the insulin-signaling pathway by increasing phosphorylation of GSK3 β . <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1857-1869.	2.4	9
1253	Autophagy dictates metabolism and differentiation of inflammatory immune cells. <i>Autophagy</i> , 2018, 14, 199-206.	4.3	80
1254	Control of Ribosomal RNA Transcription by Nutrients. , 2018, , .		4
1255	mTOR Pharmacology. , 2018, , 447-447.		0
1256	TOR-autophagy branch signaling via Imp1 dictates plant-microbe biotrophic interface longevity. <i>PLoS Genetics</i> , 2018, 14, e1007814.	1.5	45
1257	Differential expression of mTOR components in endometriosis and ovarian cancer: Effects of rapalogues and dual kinase inhibitors on mTORC1 and mTORC2 stoichiometry. <i>International Journal of Molecular Medicine</i> , 2019, 43, 47-56.	1.8	24
1258	Cardiac Hypertrophy: Signaling and Cellular Crosstalk. , 2018, , 434-450.		0
1259	mTOR Signaling Pathway and Protein Synthesis: From Training to Aging and Muscle Autophagy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1088, 139-151.	0.8	19
1260	Inhibition of mTORC1/C2 signaling improves anti-leukemia efficacy of JAK/STAT blockade in CRLF2 rearranged and/or JAK driven Philadelphia chromosome-like acute B-cell lymphoblastic leukemia. <i>Oncotarget</i> , 2018, 9, 8027-8041.	0.8	42

#	ARTICLE	IF	CITATIONS
1261	Energy handling in renal tubular epithelial cells of the hamster, a native hibernator, under warm anoxia or reoxygenation. <i>Biomedical Reports</i> , 2018, 9, 503-510.	0.9	3
1262	Perspectives of RAS and RHEB GTPase Signaling Pathways in Regenerating Brain Neurons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4052.	1.8	23
1263	Metabolic Reprogramming of Non-Hodgkin's B-Cell Lymphomas and Potential Therapeutic Strategies. <i>Frontiers in Oncology</i> , 2018, 8, 556.	1.3	67
1264	Astragaloside IV ameliorates high glucose-induced renal tubular epithelial-mesenchymal transition by blocking mTORC1/p70S6K signaling in HK-2 cells. <i>International Journal of Molecular Medicine</i> , 2018, 43, 709-716.	1.8	19
1265	Quantitative Phosphoproteomic and System-Level Analysis of TOR Inhibition Unravel Distinct Organellar Acclimation in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1590.	1.7	29
1266	ROS induces epithelial-mesenchymal transition via the TGF- β 1/PI3K/Akt/mTOR pathway in diabetic nephropathy. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 835-846.	0.8	60
1267	Intermittent bolus feeding promotes greater lean growth than continuous feeding in a neonatal piglet model. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 830-841.	2.2	22
1268	IDO decreases glycolysis and glutaminolysis by activating GCN2K, while it increases fatty acid oxidation by activating AhR, thus preserving CD4+ T-cell survival and proliferation. <i>International Journal of Molecular Medicine</i> , 2018, 42, 557-568.	1.8	23
1269	The transcription factor cMaf is targeted by mTOR, and regulates the inflammatory response via the TLR4 signaling pathway. <i>International Journal of Molecular Medicine</i> , 2018, 41, 2935-2942.	1.8	5
1270	Bioenergetics-adverse outcome pathway: Linking organismal and suborganismal energetic endpoints to adverse outcomes. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 27-45.	2.2	33
1271	Differential expression of mTOR signaling pathway proteins in lichen planopilaris and frontal fibrosing alopecia. <i>Acta Histochemica</i> , 2018, 120, 837-845.	0.9	5
1272	Vps34-mediated macropinocytosis in Tuberous Sclerosis Complex 2-deficient cells supports tumorigenesis. <i>Scientific Reports</i> , 2018, 8, 14161.	1.6	8
1273	SP1-induced lncRNA-ZFAS1 contributes to colorectal cancer progression via the miR-150-5p/VEGFA axis. <i>Cell Death and Disease</i> , 2018, 9, 982.	2.7	165
1274	Sonic hedgehog signaling regulates hypoxia/reoxygenation-induced H9C2 myocardial cell apoptosis. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 4193-4200.	0.8	11
1275	The effects of kinase modulation on in vitro maturation according to different cumulus-oocyte complex morphologies. <i>PLoS ONE</i> , 2018, 13, e0205495.	1.1	14
1276	Eudesmin impairs adipogenic differentiation via inhibition of S6K1 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 1148-1153.	1.0	6
1277	Glutamate alleviates intestinal injury, maintains mTOR and suppresses TLR4 and NOD signaling pathways in weanling pigs challenged with lipopolysaccharide. <i>Scientific Reports</i> , 2018, 8, 15124.	1.6	29
1278	mTORC1 Overactivation as a Key Aging Factor in the Progression to Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2018, 9, 621.	1.5	55

#	ARTICLE	IF	CITATIONS
1279	T-2 Toxin Exposure Induces Apoptosis in TM3 Cells by Inhibiting Mammalian Target of Rapamycin/Serine/Threonine Protein Kinase(mTORC2/AKT) to Promote Ca ²⁺ Production. International Journal of Molecular Sciences, 2018, 19, 3360.	1.8	11
1280	Src regulates amino acid-mediated mTORC1 activation by disrupting GATOR1-Rag GTPase interaction. Nature Communications, 2018, 9, 4351.	5.8	28
1281	A novel lysosome-mitochondria signaling pathway disrupted by amyloid β oligomers. EMBO Journal, 2018, 37, .	3.5	47
1282	Hypoxia impairs adaptation of skeletal muscle protein turnover- and AMPK signaling during fasting-induced muscle atrophy. PLoS ONE, 2018, 13, e0203630.	1.1	14
1283	Target of Rapamycin Inhibition in <i>Chlamydomonas reinhardtii</i> Triggers de Novo Amino Acid Synthesis by Enhancing Nitrogen Assimilation. Plant Cell, 2018, 30, 2240.1-2254.	3.1	44
1284	Transcriptional response of honey bee (<i>Apis mellifera</i>) to differential nutritional status and <i>Nosema</i> infection. BMC Genomics, 2018, 19, 628.	1.2	31
1285	Association of crumbs homolog-2 with mTORC1 in developing podocyte. PLoS ONE, 2018, 13, e0202400.	1.1	6
1286	Coordination of Necessary and Permissive Signals by PTEN Inhibition for CNS Axon Regeneration. Frontiers in Neuroscience, 2018, 12, 558.	1.4	26
1287	Smooth muscle cell-driven vascular diseases and molecular mechanisms of VSMC plasticity. Cellular Signalling, 2018, 52, 48-64.	1.7	231
1288	OBSOLETE: Cardiac Hypertrophy: Signaling and Cellular Crosstalk. , 2018, , .		0
1289	Synergistic anti-proliferative effect of mTOR inhibitor (rad001) plus gemcitabine on cholangiocarcinoma by decreasing choline kinase activity. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	9
1290	PI3K/Akt/mTOR Signaling Pathway and the Biphasic Effect of Arsenic in Carcinogenesis. Molecular Pharmacology, 2018, 94, 784-792.	1.0	62
1291	mTOR Senses Environmental Cues to Shape the Fibroblast-like Synovocyte Response to Inflammation. Cell Reports, 2018, 23, 2157-2167.	2.9	62
1292	Loss of a Negative Regulator of mTORC1 Induces Aerobic Glycolysis and Altered Fiber Composition in Skeletal Muscle. Cell Reports, 2018, 23, 1907-1914.	2.9	54
1293	Everolimus in the treatment of neuroendocrine tumors: efficacy, side-effects, resistance, and factors affecting its place in the treatment sequence. Expert Opinion on Pharmacotherapy, 2018, 19, 909-928.	0.9	53
1294	The exon-intron gene structure upstream of the initiation codon predicts translation efficiency. Nucleic Acids Research, 2018, 46, 4575-4591.	6.5	23
1295	mTORC1/2 inhibitor and curcumin induce apoptosis through lysosomal membrane permeabilization-mediated autophagy. Oncogene, 2018, 37, 5205-5220.	2.6	54
1296	Effects of Physical Exercise on Inflammation in Depression. , 2018, , 581-588.		0

#	ARTICLE	IF	CITATIONS
1297	Serine Phosphorylation by mTORC1 Promotes IRS-1 Degradation through SCF ^{β2} -TRCP E3 Ubiquitin Ligase. <i>IScience</i> , 2018, 5, 1-18.	1.9	63
1298	mTORC1 accelerates retinal development via the immunoproteasome. <i>Nature Communications</i> , 2018, 9, 2502.	5.8	28
1299	The FCS-like zinc finger scaffold of the kinase SnRK1 is formed by the coordinated actions of the FLZ domain and intrinsically disordered regions. <i>Journal of Biological Chemistry</i> , 2018, 293, 13134-13150.	1.6	38
1300	PI3-kinase, Akt, mTOR, and Treatment. , 2018, , 333-339.		0
1301	Raptor directs Sertoli cell cytoskeletal organization and polarity in the mouse testis. <i>Biology of Reproduction</i> , 2018, 99, 1289-1302.	1.2	31
1302	Autism throughout genetics: Perusal of the implication of ion channels. <i>Brain and Behavior</i> , 2018, 8, e00978.	1.0	21
1303	APOBEC3G-Regulated Host Factors Interfere with Measles Virus Replication: Role of REDD1 and Mammalian TORC1 Inhibition. <i>Journal of Virology</i> , 2018, 92, .	1.5	17
1304	Mechanisms of Insulin Action and Insulin Resistance. <i>Physiological Reviews</i> , 2018, 98, 2133-2223.	13.1	1,502
1305	mTOR-Related Brain Dysfunctions in Neuropsychiatric Disorders. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2226.	1.8	84
1306	Dietary polyphenols promote resilience against sleep deprivation-induced cognitive impairment by activating protein translation. <i>FASEB Journal</i> , 2018, 32, 5390-5404.	0.2	18
1307	Dual mTOR/PI3K inhibitor NVP-BEZ235 arrests colorectal cancer cell growth and displays differential inhibition of 4E-BP1. <i>Oncology Reports</i> , 2018, 40, 1083-1092.	1.2	15
1308	Adenosine enhances cisplatin sensitivity in human ovarian cancer cells. <i>Purinergic Signalling</i> , 2018, 14, 395-408.	1.1	14
1309	Characterizing the Key Metabolic Pathways of the Neonatal Mouse Heart Using a Quantitative Combinatorial Omics Approach. <i>Frontiers in Physiology</i> , 2018, 9, 365.	1.3	34
1310	mTOR Cross-Talk in Cancer and Potential for Combination Therapy. <i>Cancers</i> , 2018, 10, 23.	1.7	108
1311	Mitochondrial ROS-derived PTEN oxidation activates PI3K pathway for mTOR-induced myogenic autophagy. <i>Cell Death and Differentiation</i> , 2018, 25, 1921-1937.	5.0	106
1312	Inhibition of TOR Represses Nutrient Consumption, Which Improves Greening after Extended Periods of Etiolation. <i>Plant Physiology</i> , 2018, 178, 101-117.	2.3	27
1313	Interorgan Metabolic Crosstalk in Human Insulin Resistance. <i>Physiological Reviews</i> , 2018, 98, 1371-1415.	13.1	138
1314	USP10 suppresses tumor progression by inhibiting mTOR activation in hepatocellular carcinoma. <i>Cancer Letters</i> , 2018, 436, 139-148.	3.2	49

#	ARTICLE	IF	CITATIONS
1315	mTOR at the Transmitting and Receiving Ends in Tumor Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 578.	2.2	35
1316	The Kinase Complex mTOR Complex 2 Promotes the Follicular Migration and Functional Maturation of Differentiated Follicular Helper CD4+ T Cells During Viral Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1127.	2.2	26
1317	Importance of ERK1/2 in Regulation of Protein Translation during Oocyte Meiosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 698.	1.8	40
1318	mTOR Signaling and Neural Stem Cells: The Tuberous Sclerosis Complex Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1474.	1.8	20
1319	Targeting mTOR as a Therapeutic Approach in Medulloblastoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1838.	1.8	13
1320	Role of mTOR Complexes in Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1544.	1.8	117
1321	Tombusvirus RNA replication depends on the TOR pathway in yeast and plants. <i>Virology</i> , 2018, 519, 207-222.	1.1	22
1322	Leucine Affects $\hat{\pm}$ -Amylase Synthesis through PI3K/Akt-mTOR Signaling Pathways in Pancreatic Acinar Cells of Dairy Calves. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5149-5156.	2.4	32
1323	Bifenthrin causes transcriptomic alterations in mTOR and ryanodine receptor-dependent signaling and delayed hyperactivity in developing zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018, 200, 50-61.	1.9	41
1324	Mammalian EAK-7 activates alternative mTOR signaling to regulate cell proliferation and migration. <i>Science Advances</i> , 2018, 4, eaao5838.	4.7	41
1325	Decreased abundance of eIF4F subunits predisposes low birth weight neonatal pigs to reduced muscle hypertrophy. <i>Journal of Applied Physiology</i> , 2018, 125, 1171-1182.	1.2	1
1326	Integrated analysis of mRNA and miRNA expression profiles reveals muscle growth differences between adult female and male Chinese concave-eared frogs (<i>Odorrana tormota</i>). <i>Gene</i> , 2018, 678, 241-251.	1.0	14
1327	Role of mTOR Signaling in Tumor Microenvironment: An Overview. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2453.	1.8	109
1328	mTORC1 and Nutrient Homeostasis: The Central Role of the Lysosome. <i>International Journal of Molecular Sciences</i> , 2018, 19, 818.	1.8	124
1329	Dietary yeast hydrolysate and brewer's yeast supplementation could enhance growth performance, innate immunity capacity and ammonia nitrogen stress resistance ability of Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Fish and Shellfish Immunology</i> , 2018, 82, 121-129.	1.6	86
1330	Genetically engineered human cortical spheroid models of tuberous sclerosis. <i>Nature Medicine</i> , 2018, 24, 1568-1578.	15.2	149
1331	Protective role of microRNA-221 in Parkinson's disease. <i>Bratislava Medical Journal</i> , 2018, 119, 22-27.	0.4	23
1332	Sorting nexin 10 controls mTOR activation through regulating amino-acid metabolism in colorectal cancer. <i>Cell Death and Disease</i> , 2018, 9, 666.	2.7	22

#	ARTICLE	IF	CITATIONS
1333	Nutritional Control of the Germline Development in <i>Caenorhabditis elegans</i> . Diversity and Commonality in Animals, 2018, , 69-101.	0.7	2
1334	Low-dose ionizing radiation exposure represses the cell cycle and protein synthesis pathways in in vitro human primary keratinocytes and U937 cell lines. PLoS ONE, 2018, 13, e0199117.	1.1	10
1335	Pain-Relieving Effects of mTOR Inhibitor in the Anterior Cingulate Cortex of Neuropathic Rats. Molecular Neurobiology, 2019, 56, 2482-2494.	1.9	29
1336	The ASD Living Biology: from cell proliferation to clinical phenotype. Molecular Psychiatry, 2019, 24, 88-107.	4.1	210
1337	Cross Talk Networks of Mammalian Target of Rapamycin Signaling With the Ubiquitin Proteasome System and Their Clinical Implications in Multiple Myeloma. International Review of Cell and Molecular Biology, 2019, 343, 219-297.	1.6	16
1338	Palmitic acid-induced lipotoxicity promotes a novel interplay between Akt-mTOR, IRS-1, and FFAR1 signaling in pancreatic I ² -cells. Biological Research, 2019, 52, 44.	1.5	22
1339	mTOR and other effector kinase signals that impact T cell function and activity. Immunological Reviews, 2019, 291, 134-153.	2.8	53
1340	Rapamycin enhanced the antitumor effects of doxorubicin in myelogenous leukemia K562 cells by downregulating the mTOR/p70S6K pathway. Oncology Letters, 2019, 18, 2694-2703.	0.8	13
1341	Towards Enhancing Therapeutic Glycoprotein Bioproduction: Interventions in the PI3K/AKT/mTOR Pathway. Cell Structure and Function, 2019, 44, 75-83.	0.5	4
1342	SIRT6 transcriptionally regulates global protein synthesis through transcription factor Sp1 independent of its deacetylase activity. Nucleic Acids Research, 2019, 47, 9115-9131.	6.5	36
1343	Systemic treatment for lung carcinoids: from bench to bedside. Clinical and Translational Medicine, 2019, 8, 22.	1.7	15
1344	Suppression of p16 Induces mTORC1-Mediated Nucleotide Metabolic Reprogramming. Cell Reports, 2019, 28, 1971-1980.e8.	2.9	42
1345	TOR as a Regulatory Target in <i>Rhipicephalus microplus</i> Embryogenesis. Frontiers in Physiology, 2019, 10, 965.	1.3	5
1346	RAC1 inhibition reverses cisplatin resistance in esophageal squamous cell carcinoma and induces downregulation of glycolytic enzymes. Molecular Oncology, 2019, 13, 2010-2030.	2.1	40
1347	Integrin signaling: linking mechanical stimulation to skeletal muscle hypertrophy. American Journal of Physiology - Cell Physiology, 2019, 317, C629-C641.	2.1	84
1348	Transcriptome analysis provides new insights into the growth superiority of a novel backcross variety, <i>Megalobrama amblycephala</i> × <i>M. amblycephala</i> × <i>Culter alburnus</i> × <i>M. amblycephala</i> . Aquaculture, 2019, 512, 734317.		
1349	Rapamycin Rescues Age-Related Changes in Muscle-Derived Stem/Progenitor Cells from Progeroid Mice. Molecular Therapy - Methods and Clinical Development, 2019, 14, 64-76.	1.8	39
1350	Arginase enzymes in the human prostate: A molecular biological and immunohistochemical approach. Andrologia, 2019, 51, e13349.	1.0	1

#	ARTICLE	IF	CITATIONS
1351	Partial Inhibition of mTORC1 in Aged Rats Counteracts the Decline in Muscle Mass and Reverses Molecular Signaling Associated with Sarcopenia. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	88
1352	Inhibition of the ERK1/2-mTORC1 axis ameliorates proteinuria and the fibrogenic action of transforming growth factor- β^2 in Adriamycin-induced glomerulosclerosis. <i>Kidney International</i> , 2019, 96, 927-941.	2.6	16
1353	miR-125a-5p Functions as Tumor Suppressor microRNA And Is a Marker of Locoregional Recurrence And Poor prognosis in Head And Neck Cancer. <i>Neoplasia</i> , 2019, 21, 849-862.	2.3	39
1354	Pathological Mechanisms Underlying Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. <i>Diagnostics</i> , 2019, 9, 80.	1.3	50
1355	Dexmedetomidine suppresses sevoflurane anesthesia-induced neuroinflammation through activation of the PI3K/Akt/mTOR pathway. <i>BMC Anesthesiology</i> , 2019, 19, 134.	0.7	29
1356	UCHL1 regulates muscle fibers and mTORC1 activity in skeletal muscle. <i>Life Sciences</i> , 2019, 233, 116699.	2.0	15
1357	Inhibition of the Akt1-mTORC1 Axis Alters Venous Remodeling to Improve Arteriovenous Fistula Patency. <i>Scientific Reports</i> , 2019, 9, 11046.	1.6	23
1359	Melatonin suppresses milk fat synthesis by inhibiting the mTOR signaling pathway via the MT1 receptor in bovine mammary epithelial cells. <i>Journal of Pineal Research</i> , 2019, 67, e12593.	3.4	33
1360	The Mechanisms of Regulation of Aerobic Glycolysis (Warburg Effect) by Oncoproteins in Carcinogenesis. <i>Biochemistry (Moscow)</i> , 2019, 84, 1117-1128.	0.7	25
1361	Synergistic Anti-Tumor Effect of mTOR Inhibitors with Irinotecan on Colon Cancer Cells. <i>Cancers</i> , 2019, 11, 1581.	1.7	26
1362	TOR Signaling in <i>Caenorhabditis elegans</i> Development, Metabolism, and Aging. <i>Genetics</i> , 2019, 213, 329-360.	1.2	101
1363	Seeking mTORC1 Inhibitors Through Molecular Dynamics Simulation of Arginine Analogs Inhibiting CASTOR1. <i>Cancer Genomics and Proteomics</i> , 2019, 16, 465-479.	1.0	4
1364	Running the Light: Nucleotide Metabolism Drives Bypass of Senescence in Cancer. <i>Trends in Biochemical Sciences</i> , 2019, 44, 991-993.	3.7	3
1365	The effect of a bout of resistance exercise on skeletal muscle protein metabolism after severe fasting. <i>Physiological Reports</i> , 2019, 7, e14270.	0.7	2
1366	Age-dependent effects of caloric restriction on mTOR and ubiquitin-proteasome pathways in skeletal muscles. <i>GeroScience</i> , 2019, 41, 871-880.	2.1	31
1367	Psp2, a novel regulator of autophagy that promotes autophagy-related protein translation. <i>Cell Research</i> , 2019, 29, 994-1008.	5.7	23
1368	Effects of insulin signaling on mouse taste cell proliferation. <i>PLoS ONE</i> , 2019, 14, e0225190.	1.1	17
1369	TIP30 counteracts cardiac hypertrophy and failure by inhibiting translational elongation. <i>EMBO Molecular Medicine</i> , 2019, 11, e10018.	3.3	17

#	ARTICLE	IF	CITATIONS
1370	Role of mTOR Signaling in Female Reproduction. <i>Frontiers in Endocrinology</i> , 2019, 10, 692.	1.5	77
1371	PBF, a proto-oncogene in esophageal carcinoma. <i>Open Medicine (Poland)</i> , 2019, 14, 748-756.	0.6	2
1372	TRPML1 Promotes Protein Homeostasis in Melanoma Cells by Negatively Regulating MAPK and mTORC1 Signaling. <i>Cell Reports</i> , 2019, 28, 2293-2305.e9.	2.9	34
1373	A Cyclic Pentamethinium Salt Induces Cancer Cell Cytotoxicity through Mitochondrial Disintegration and Metabolic Collapse. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4208.	1.8	7
1374	Tumor Metabolism as a Regulator of Tumor-Host Interactions in the B-Cell Lymphoma Microenvironment Fueling Progression and Novel Brakes for Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4158.	1.8	14
1375	Control of nucleolar stress and translational reprogramming by lncRNAs. <i>Cell Stress</i> , 2019, 3, 19-26.	1.4	20
1376	Autophagy: A novel mechanism of chemoresistance in cancers. <i>Biomedicine and Pharmacotherapy</i> , 2019, 119, 109415.	2.5	124
1377	Serine 474 phosphorylation is essential for maximal Akt2 kinase activity in adipocytes. <i>Journal of Biological Chemistry</i> , 2019, 294, 16729-16739.	1.6	32
1378	Astaxanthin Modulation of Signaling Pathways That Regulate Autophagy. <i>Marine Drugs</i> , 2019, 17, 546.	2.2	34
1379	The Ibrutinib derivative exhibits enhanced cytotoxicity against non-small cell lung cancer cells via targeting of mTORC1/S6 signaling. <i>Molecular Oncology</i> , 2019, 13, 946-958.	2.1	11
1380	mTOR Inhibitors in Advanced Biliary Tract Cancers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 500.	1.8	23
1381	Shikimic Acid Promotes Oligodendrocyte Precursor Cell Differentiation and Accelerates Remyelination in Mice. <i>Neuroscience Bulletin</i> , 2019, 35, 434-446.	1.5	15
1382	Cell cycle plasticity driven by MTOR signaling: integral resistance to CDK4/6 inhibition in patient-derived models of pancreatic cancer. <i>Oncogene</i> , 2019, 38, 3355-3370.	2.6	46
1383	Creating novel translation inhibitors to target pro-survival proteins in chronic lymphocytic leukemia. <i>Leukemia</i> , 2019, 33, 1663-1674.	3.3	13
1384	High-Throughput Screening Identified Compounds Sensitizing Tumor Cells to Glucose Starvation in Culture and VEGF Inhibitors In Vivo. <i>Cancers</i> , 2019, 11, 156.	1.7	13
1385	mTOR Hyperactivity Levels Influence the Severity of Epilepsy and Associated Neuropathology in an Experimental Model of Tuberous Sclerosis Complex and Focal Cortical Dysplasia. <i>Journal of Neuroscience</i> , 2019, 39, 2762-2773.	1.7	84
1386	mTOR Signaling pathway as a master regulator of memory CD8 ⁺ T cells, Th17, and NK cells development and their functional properties. <i>Journal of Cellular Physiology</i> , 2019, 234, 12353-12368.	2.0	49
1387	Monitoring flux in signalling pathways through measurements of 4EBP1-mediated eIF4F complex assembly. <i>BMC Biology</i> , 2019, 17, 40.	1.7	11

#	ARTICLE	IF	CITATIONS
1388	Molecular and Cell Biology of Cancer. Learning Materials in Biosciences, 2019, , .	0.2	3
1389	Activation of PTEN by inhibition of TRPV4 suppresses colon cancer development. Cell Death and Disease, 2019, 10, 460.	2.7	41
1390	Cytosolic translational responses differ under conditions of severe short-term and long-term mitochondrial stress. Molecular Biology of the Cell, 2019, 30, 1864-1877.	0.9	33
1391	Acute decrease in plasma testosterone and appetite after either glucose or protein beverages in adolescent males. Clinical Endocrinology, 2019, 91, 295-303.	1.2	4
1392	The first-in-human study of the pan-PIM kinase inhibitor PIM447 in patients with relapsed and/or refractory multiple myeloma. Leukemia, 2019, 33, 2924-2933.	3.3	49
1393	KLF5 regulated lncRNA RP1 promotes the growth and metastasis of breast cancer via repressing p27kip1 translation. Cell Death and Disease, 2019, 10, 373.	2.7	61
1394	Molecular mechanisms relating to amino acid regulation of protein synthesis. Nutrition Research Reviews, 2019, 32, 183-191.	2.1	24
1395	Effect of feeding rice whole crop silage on growth rate, levels of vitamin A, Î²-carotene, vitamin E and IGF-1 in plasma and skeletal muscle protein degradation in Japanese black calves. Animal Science Journal, 2019, 90, 728-736.	0.6	0
1396	Branch-restricted localization of phosphatase Prl-1 specifies axonal synaptogenesis domains. Science, 2019, 364, .	6.0	34
1397	Arabidopsis translation initiation factors eIF4G1/2 link repression of mRNA cap-binding complex eIF4F assembly with RNA-binding protein SOAR1-mediated ABA signaling. New Phytologist, 2019, 223, 1388-1406.	3.5	19
1398	The Strong Antioxidant Sheep/Goat Whey Protein Protects Against mTOR Overactivation in Rats: A Mode of Action Mimicking Fasting. Antioxidants, 2019, 8, 71.	2.2	12
1399	Mitochondrial stress-dependent regulation of cellular protein synthesis. Journal of Cell Science, 2019, 132, .	1.2	39
1400	Combining PI3K/Akt/mTOR Inhibition With Chemotherapy. , 2019, , 229-242.		5
1401	A Yeast System for Discovering Optogenetic Inhibitors of Eukaryotic Translation Initiation. ACS Synthetic Biology, 2019, 8, 744-757.	1.9	16
1402	Molecular logic of mTORC1 signalling as a metabolic rheostat. Nature Metabolism, 2019, 1, 321-333.	5.1	197
1403	GSK-3Î² at the Crossroads in Regulating Protein Synthesis and Lipid Deposition in Zebrafish. Cells, 2019, 8, 205.	1.8	17
1404	Morphine self-administration alters the expression of translational machinery genes in the amygdala of male Lewis rats. Journal of Psychopharmacology, 2019, 33, 882-893.	2.0	10
1405	Quantitative Systems Pharmacological Analysis of Drugs of Abuse Reveals the Pleiotropy of Their Targets and the Effector Role of mTORC1. Frontiers in Pharmacology, 2019, 10, 191.	1.6	10

#	ARTICLE	IF	CITATIONS
1406	Ubiquitin C-terminal hydrolase L1 (UCH-L1) loss causes neurodegeneration by altering protein turnover in the first postnatal weeks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7963-7972.	3.3	36
1407	Sirolimus and mTOR Inhibitors: A Review of Side Effects and Specific Management in Solid Organ Transplantation. <i>Drug Safety</i> , 2019, 42, 813-825.	1.4	78
1408	Evolution of TOR-SnRK dynamics in green plants and its integration with phytohormone signaling networks. <i>Journal of Experimental Botany</i> , 2019, 70, 2239-2259.	2.4	72
1409	The Gut-Immune-Brain Axis in Autism Spectrum Disorders; A Focus on Amino Acids. <i>Frontiers in Endocrinology</i> , 2019, 10, 247.	1.5	47
1410	Pheochromocytomas and Paragangliomas: From Genetic Diversity to Targeted Therapies. <i>Cancers</i> , 2019, 11, 436.	1.7	33
1411	Deubiquitinases Maintain Protein Homeostasis and Survival of Cancer Cells upon Glutathione Depletion. <i>Cell Metabolism</i> , 2019, 29, 1166-1181.e6.	7.2	121
1412	Targeting mTOR in Acute Lymphoblastic Leukemia. <i>Cells</i> , 2019, 8, 190.	1.8	44
1413	mTOR Signaling in Cancer and mTOR Inhibitors in Solid Tumor Targeting Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 755.	1.8	406
1414	A Neuron-Glial Trans-Signaling Cascade Mediates LRRK2-Induced Neurodegeneration. <i>Cell Reports</i> , 2019, 26, 1774-1786.e4.	2.9	15
1415	Pipelicolic esters as minimized templates for proteasome inhibition. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2734-2746.	1.5	10
1416	CXCR7 promotes melanoma tumorigenesis via Src kinase signaling. <i>Cell Death and Disease</i> , 2019, 10, 191.	2.7	21
1417	Butyrate inhibits the proliferation and induces the apoptosis of colorectal cancer HCT116 cells via the deactivation of mTOR/S6K1 signaling mediated partly by SIRT1 downregulation. <i>Molecular Medicine Reports</i> , 2019, 19, 3941-3947.	1.1	21
1418	Integrated metabolomic and proteomics profiling reveals the promotion of <i>Lactobacillus reuteri</i> LR1 on amino acid metabolism in the gut-liver axis of weaned pigs. <i>Food and Function</i> , 2019, 10, 7387-7396.	2.1	14
1419	Lab review: Molecular dissection of the signal transduction pathways associated with PTEN deletion-induced optic nerve regeneration. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 545-552.	0.4	5
1420	Nitrogen-dependent coordination of cell cycle, quiescence and TAG accumulation in <i>Chlamydomonas</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 292.	6.2	37
1421	Clinical and Expression Significance of AKT1 by Co-expression Network Analysis in Endometrial Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1147.	1.3	22
1422	Exploring the Interface between Inflammatory and Therapeutic Glucocorticoid Induced Bone and Muscle Loss. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5768.	1.8	18
1423	Dietary non-protein energy source regulates antioxidant status and immune response of barramundi (<i>Lates calcarifer</i>). <i>Fish and Shellfish Immunology</i> , 2019, 95, 697-704.	1.6	8

#	ARTICLE	IF	CITATIONS
1424	Activated mTOR signaling pathway in myofibers with inherited metabolic defect might be an evidence for mTOR inhibition therapies. Chinese Medical Journal, 2019, 132, 805-810.	0.9	2
1425	In vitro evaluation of effects of metformin on morphine and methadone tolerance through mammalian target of rapamycin signaling pathway. Journal of Cellular Physiology, 2019, 234, 3058-3066.	2.0	10
1426	Electrical stimulation increases hypertrophy and metabolic flux in tissue-engineered human skeletal muscle. Biomaterials, 2019, 198, 259-269.	5.7	121
1427	mTOR mediates a mechanism of resistance to chemotherapy and defines a rational combination strategy to treat KRAS-mutant lung cancer. Oncogene, 2019, 38, 622-636.	2.6	37
1428	The mTORC1 component RPTOR is required for maintenance of the foundational spermatogonial stem cell pool in mice. Biology of Reproduction, 2019, 100, 429-439.	1.2	30
1429	Methylphenidate alters Akt-mTOR signaling in rat pheochromocytoma cells. International Journal of Developmental Neuroscience, 2019, 73, 10-18.	0.7	5
1430	Starvation and Pseudo-Starvation as Drivers of Cancer Metastasis through Translation Reprogramming. Cell Metabolism, 2019, 29, 254-267.	7.2	88
1431	Multisite Phosphorylation of S6K1 Directs a Kinase Phospho-code that Determines Substrate Selection. Molecular Cell, 2019, 73, 446-457.e6.	4.5	36
1432	Focus on Translation Initiation of the HIV-1 mRNAs. International Journal of Molecular Sciences, 2019, 20, 101.	1.8	28
1433	Crosstalk Between the Endoplasmic Reticulum and mTOR Signaling. Circulation Research, 2019, 124, 9-11.	2.0	3
1434	M(en)TORship lessons on life and death by the integrated stress response. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 644-649.	1.1	19
1435	Allogeneic adipose-derived stem cells suppress mTORC1 pathway in a murine model of systemic lupus erythematosus. Lupus, 2019, 28, 199-209.	0.8	17
1436	Physiological and Molecular Adaptations to Strength Training. , 2019, , 51-73.		6
1437	Lysophosphatidic acid represses autophagy in prostate carcinoma cells. Biochemistry and Cell Biology, 2019, 97, 387-396.	0.9	9
1438	Doxorubicin-polyglycerol-nanodiamond composites stimulate glioblastoma cell immunogenicity through activation of autophagy. Acta Biomaterialia, 2019, 86, 381-394.	4.1	56
1439	Translation regulation in skin cancer from a tRNA point of view. Epigenomics, 2019, 11, 215-245.	1.0	25
1440	Neuroprotective effect of osac on supplement-deprived mouse cultured cortical neurons involves maintenance of monocarboxylate transporter MCT2 protein levels. Journal of Neurochemistry, 2019, 148, 80-96.	2.1	13
1441	Regulation of Muscle Growth in Early Postnatal Life in a Swine Model. Annual Review of Animal Biosciences, 2019, 7, 309-335.	3.6	33

#	ARTICLE	IF	CITATIONS
1442	Molecular Mechanisms of Postmeal Regulation of Muscle Anabolism. , 2019, , 35-45.		0
1443	Translating regeneration: Local protein synthesis in the neuronal injury response. <i>Neuroscience Research</i> , 2019, 139, 26-36.	1.0	29
1444	Blood and skin-derived Sezary cells: differences in proliferation-index, activation of PI3K/AKT/mTORC1 pathway and its prognostic relevance. <i>Leukemia</i> , 2019, 33, 1231-1242.	3.3	28
1445	Inhibition of MUC1â€C regulates metabolism by AKT pathway in esophageal squamous cell carcinoma. <i>Journal of Cellular Physiology</i> , 2019, 234, 12019-12028.	2.0	24
1446	The Circadian Protein Period2 Suppresses mTORC1 Activity via Recruiting Tsc1 to mTORC1 Complex. <i>Cell Metabolism</i> , 2019, 29, 653-667.e6.	7.2	87
1447	The combination of metformin and 2â€deoxyglucose significantly inhibits cyst formation in miniature pigs with polycystic kidney disease. <i>British Journal of Pharmacology</i> , 2019, 176, 711-724.	2.7	49
1448	Hypoxiaâ€induced regulation of mTOR signaling by miRâ€7 targeting REDD1. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4523-4532.	1.2	17
1449	Characterization of Maf1 in Arabidopsis: function under stress conditions and regulation by the TOR signaling pathway. <i>Planta</i> , 2019, 249, 527-542.	1.6	20
1450	Rheb1 loss leads to increased hematopoietic stem cell proliferation and myeloid-biased differentiation <i>in vivo</i> . <i>Haematologica</i> , 2019, 104, 245-255.	1.7	15
1451	Fermented ginseng extract, BST204, disturbs adipogenesis of mesenchymal stem cells through inhibition of S6 kinase 1 signaling. <i>Journal of Ginseng Research</i> , 2020, 44, 58-66.	3.0	15
1452	Effects of Endurance Exercise Bouts in Hypoxia, Hyperoxia, and Normoxia on mTOR-Related Protein Signaling in Human Skeletal Muscle. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2276-2284.	1.0	1
1453	Insulin-induced de novo lipid synthesis occurs mainly via mTOR-dependent regulation of proteostasis of SREBP-1c. <i>Molecular and Cellular Biochemistry</i> , 2020, 463, 13-31.	1.4	19
1454	Brain-penetrant PQR620 mTOR and PQR530 PI3K/mTOR inhibitor reduce huntingtin levels in cell models of HD. <i>Neuropharmacology</i> , 2020, 162, 107812.	2.0	12
1455	Novel compounds for the modulation of mTOR and autophagy to treat neurodegenerative diseases. <i>Cellular Signalling</i> , 2020, 65, 109442.	1.7	53
1456	The cellular responses of autophagy, apoptosis, and 5-methylcytosine level in zebrafish cells upon nutrient deprivation stress. <i>Chemosphere</i> , 2020, 241, 124989.	4.2	17
1457	Targeting mTOR suppressed colon cancer growth through 4EBP1/eIF4E/PUMA pathway. <i>Cancer Gene Therapy</i> , 2020, 27, 448-460.	2.2	25
1458	Antianabolic Effects of Hypercapnia: No Country for Strong Men. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 8-9.	1.4	1
1459	mTORC1 signalling is not essential for the maintenance of muscle mass and function in adult sedentary mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 259-273.	2.9	23

#	ARTICLE	IF	CITATIONS
1460	Autophagosome Biogenesis Machinery. <i>Journal of Molecular Biology</i> , 2020, 432, 2449-2461.	2.0	37
1461	The PI3K-AKT network at the interface of oncogenic signalling and cancer metabolism. <i>Nature Reviews Cancer</i> , 2020, 20, 74-88.	12.8	1,087
1462	Chronic uphill and downhill exercise protocols do not lead to sarcomerogenesis in mouse skeletal muscle. <i>Journal of Biomechanics</i> , 2020, 98, 109469.	0.9	15
1463	Time-resolved phosphoproteomic analysis elucidates hepatic 11,12-Epoxyeicosatrienoic acid signaling pathways. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 146, 106387.	1.0	2
1464	An mTORC1-to-CDK1 Switch Maintains Autophagy Suppression during Mitosis. <i>Molecular Cell</i> , 2020, 77, 228-240.e7.	4.5	74
1465	Molecular Determinants of Cancer Therapy Resistance to HDAC Inhibitor-Induced Autophagy. <i>Cancers</i> , 2020, 12, 109.	1.7	26
1466	Aging in Complex Multicellular Organisms. , 2020, , 231-247.		0
1467	Malignant pheochromocytoma and paraganglioma: management options. <i>Current Opinion in Oncology</i> , 2020, 32, 20-26.	1.1	28
1468	The immunobiology of mTOR in autoimmunity. <i>Journal of Autoimmunity</i> , 2020, 110, 102373.	3.0	78
1469	MicroRNA-23a-3p improves traumatic brain injury through modulating the neurological apoptosis and inflammation response in mice. <i>Cell Cycle</i> , 2020, 19, 24-38.	1.3	26
1470	Regulation of mTOR signaling by long non-coding RNA. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194449.	0.9	16
1471	An Intricate Connection between Alternative Splicing and Phenotypic Plasticity in Development and Cancer. <i>Cells</i> , 2020, 9, 34.	1.8	21
1472	MicroRNA-221 promotes breast cancer resistance to adriamycin via modulation of PTEN/Akt/mTOR signaling. <i>Cancer Medicine</i> , 2020, 9, 1544-1552.	1.3	29
1473	Embryonic response to high beta-hydroxybutyrate (BHB) levels in postpartum dairy cows. <i>Domestic Animal Endocrinology</i> , 2020, 72, 106431.	0.8	16
1474	The Race between Host Antiviral Innate Immunity and the Immune Evasion Strategies of Herpes Simplex Virus 1. <i>Microbiology and Molecular Biology Reviews</i> , 2020, 84, .	2.9	93
1475	Effects of the Oncoprotein PAX3-FOXO1 on Modulation of Exosomes Function and Protein Content: Implications on Oxidative Stress Protection and Enhanced Plasticity. <i>Frontiers in Oncology</i> , 2020, 10, 1784.	1.3	5
1476	Cancer Metabolism: Phenotype, Signaling and Therapeutic Targets. <i>Cells</i> , 2020, 9, 2308.	1.8	211
1477	The effects and mechanisms of isoliquiritigenin loaded nanoliposomes regulated AMPK/mTOR mediated glycolysis in colorectal cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1231-1249.	1.9	15

#	ARTICLE	IF	CITATIONS
1478	Crosstalk of Hedgehog and mTORC1 Pathways. <i>Cells</i> , 2020, 9, 2316.	1.8	38
1479	Effect of Methionine on <i>AMD1</i> Gene Expression in Prostate Cancer Cells. <i>Nutrition and Cancer</i> , 2021, 73, 1804-1815.	0.9	0
1480	The mTORC1/S6K/PDCD4/eIF4A Axis Determines Outcome of Mitotic Arrest. <i>Cell Reports</i> , 2020, 33, 108230.	2.9	17
1481	Genomic Database Analysis for Head and Neck Cancer Prevention Targets: MTOR Signal Transduction Pathway. <i>Anticancer Research</i> , 2020, 40, 5417-5421.	0.5	2
1482	Involvement of TGF- β 2 and Autophagy Pathways in Pathogenesis of Diabetes: A Comprehensive Review on Biological and Pharmacological Insights. <i>Frontiers in Pharmacology</i> , 2020, 11, 498758.	1.6	20
1483	Lysine is required for growth factor-induced mTORC1 activation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 945-951.	1.0	6
1484	A natural product solution to aging and aging-associated diseases. , 2020, 216, 107673.		26
1485	Non-invasive High Frequency Repetitive Transcranial Magnetic Stimulation (hfrTMS) Robustly Activates Molecular Pathways Implicated in Neuronal Growth and Synaptic Plasticity in Select Populations of Neurons. <i>Frontiers in Neuroscience</i> , 2020, 14, 558.	1.4	33
1486	TOR kinase activity in <i>Chlamydomonas reinhardtii</i> is modulated by cellular metabolic states. <i>FEBS Letters</i> , 2020, 594, 3122-3141.	1.3	19
1487	Tyrosine Kinase Receptors in Oncology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8529.	1.8	46
1488	BDNF-induced local translation of <i>GluA1</i> is regulated by HNRNP A2/B1. <i>Science Advances</i> , 2020, 6, .	4.7	16
1489	Insights into Potential Targets for Therapeutic Intervention in Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8573.	1.8	22
1490	Acute and Chronic Effects of High Frequency Electric Pulse Stimulation on the Akt/mTOR Pathway in Human Primary Myotubes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 565679.	2.0	12
1491	Melatonin regulates chicken granulosa cell proliferation and apoptosis by activating the mTOR signaling pathway via its receptors. <i>Poultry Science</i> , 2020, 99, 6147-6162.	1.5	24
1492	<p>Nanotechnology-Based Targeting of mTOR Signaling in Cancer</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5767-5781.	3.3	12
1493	Targeting Multiple Mitochondrial Processes by a Metabolic Modulator Prevents Sarcopenia and Cognitive Decline in SAMP8 Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 1171.	1.6	31
1494	Dry matter intake, performance, carcass traits and expression of genes of muscle protein metabolism in cattle fed increasing levels of de-oiled wet distillers grains. <i>Animal Feed Science and Technology</i> , 2020, 269, 114627.	1.1	5
1495	Comparative gene expression profiling between optic nerve and spinal cord injury in <i>Xenopus laevis</i> reveals a core set of genes inherent in successful regeneration of vertebrate central nervous system axons. <i>BMC Genomics</i> , 2020, 21, 540.	1.2	11

#	ARTICLE	IF	CITATIONS
1496	An overview on precision therapy in bladder cancer. <i>Expert Review of Precision Medicine and Drug Development</i> , 2020, 5, 347-361.	0.4	0
1497	TRIBE editing reveals specific mRNA targets of eIF4E-BP in <i>Drosophila</i> and in mammals. <i>Science Advances</i> , 2020, 6, eabb8771.	4.7	27
1498	Arginine supplementation in plant-rich diets affects growth, feed utilization, body composition, blood biochemical indices and gene expressions of the target of rapamycin signaling pathway in juvenile Asian red-tailed catfish (<i>Hemibagrus wyckoiides</i>). <i>Journal of the World Aquaculture Society</i> , 2020, , .	1.2	5
1499	Activation of mTORC1 by LSECtin in macrophages directs intestinal repair in inflammatory bowel disease. <i>Cell Death and Disease</i> , 2020, 11, 918.	2.7	10
1500	Metabolic heterogeneity in cancer: An overview and therapeutic implications. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1874, 188421.	3.3	26
1501	Immune Responses of Asian Seabass <i>Lateolabrax niloticus</i> to Dietary <i>Glycyrrhiza uralensis</i> . <i>Animals</i> , 2020, 10, 1629.	1.0	15
1502	Protein-carbohydrate ingestion alters Vps34 cellular localization independent of changes in kinase activity in human skeletal muscle. <i>Experimental Physiology</i> , 2020, 105, 2178-2189.	0.9	7
1503	Regulation of mTORC1 by Upstream Stimuli. <i>Genes</i> , 2020, 11, 989.	1.0	61
1504	Emerging Treatments for Advanced/Metastatic Pheochromocytoma and Paraganglioma. <i>Current Treatment Options in Oncology</i> , 2020, 21, 85.	1.3	43
1505	Autophagy under glucose starvation enhances protein translation initiation in response to re-addition of glucose in C2C12 myotubes. <i>FEBS Open Bio</i> , 2020, 10, 2149-2156.	1.0	8
1506	Torin2 inhibits the EGFR-TKI resistant Non-Small Lung Cancer cell proliferation through negative feedback regulation of Akt/mTOR signaling. <i>Journal of Cancer</i> , 2020, 11, 5746-5757.	1.2	3
1507	Deubiquitinase USP7-mediated MCL-1 up-regulation enhances Arsenic and Benzo(a)pyrene co-exposure-induced Cancer Stem Cell-like property and Tumorigenesis. <i>Theranostics</i> , 2020, 10, 9050-9065.	4.6	13
1508	Dietary Lysine Regulates Body Growth Performance via the Nutrient-Sensing Signaling Pathways in Largemouth Bass (<i>Micropterus salmoides</i>). <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
1509	Acylated Ghrelin as a Multi-Targeted Therapy for Alzheimer's and Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 614828.	1.4	30
1510	Reprogrammed mRNA translation drives resistance to therapeutic targeting of ribosome biogenesis. <i>EMBO Journal</i> , 2020, 39, e105111.	3.5	17
1511	Eukaryotic translation initiation factors as promising targets in cancer therapy. <i>Cell Communication and Signaling</i> , 2020, 18, 175.	2.7	52
1512	Mechanistic target of rapamycin in the tumor microenvironment and its potential as a therapeutic target for pancreatic cancer. <i>Cancer Letters</i> , 2020, 485, 1-13.	3.2	10
1513	Roles of Autophagy in Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3289.	1.8	189

#	ARTICLE	IF	CITATIONS
1532	The PI3K-AKT-mTOR Pathway and Prostate Cancer: At the Crossroads of AR, MAPK, and WNT Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4507.	1.8	289
1533	Interleukin-13 ameliorates postischemic hepatic gluconeogenesis and hyperglycemia in rat model of stroke. <i>Metabolic Brain Disease</i> , 2020, 35, 1201-1210.	1.4	6
1534	Hematopoietic stem cell regulation by the proteostasis network. <i>Current Opinion in Hematology</i> , 2020, 27, 254-263.	1.2	14
1535	Metabolome and proteome changes in skeletal muscle and blood of pre-weaning calves fed leucine and threonine supplemented diets. <i>Journal of Proteomics</i> , 2020, 216, 103677.	1.2	10
1536	An epigenetic increase in mitochondrial fission by MiD49 and MiD51 regulates the cell cycle in cancer: <i>Diagnostic and therapeutic implications</i>. <i>FASEB Journal</i> , 2020, 34, 5106-5127.	0.2	16
1537	Comprehensive Genome-Wide Approaches to Activity-Dependent Translational Control in Neurons. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1592.	1.8	5
1538	Doxycycline-induced exogenous Bmi-1 expression enhances tumor formation in a murine model of oral squamous cell carcinoma. <i>Cancer Biology and Therapy</i> , 2020, 21, 400-411.	1.5	7
1539	An Isolated Complex V Inefficiency and Dysregulated Mitochondrial Function in Immortalized Lymphocytes from ME/CFS Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1074.	1.8	49
1540	mTOR Regulation of Metabolism in Hematologic Malignancies. <i>Cells</i> , 2020, 9, 404.	1.8	10
1541	Proteomics profiling and pathway analysis of hippocampal aging in rhesus monkeys. <i>BMC Neuroscience</i> , 2020, 21, 2.	0.8	9
1542	Effects of inhaled fluticasone propionate on extrinsic tongue muscles in rats. <i>Journal of Applied Physiology</i> , 2020, 128, 576-585.	1.2	4
1543	Autophagy as a Cellular Stress Response Mechanism in the Nervous System. <i>Journal of Molecular Biology</i> , 2020, 432, 2560-2588.	2.0	39
1544	Von Hippel-Lindau tumor suppressor (VHL) stimulates TOR signaling by interacting with phosphoinositide 3-kinase (PI3K). <i>Journal of Biological Chemistry</i> , 2020, 295, 2336-2347.	1.6	3
1545	Autophagy in metabolic syndrome: breaking the wheel by targeting the renin-angiotensin system. <i>Cell Death and Disease</i> , 2020, 11, 87.	2.7	57
1546	Post-Transcriptional Regulation of Homeostatic, Stressed, and Malignant Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 138-159.	5.2	54
1547	A-kinase anchoring protein 8L interacts with mTORC1 and promotes cell growth. <i>Journal of Biological Chemistry</i> , 2020, 295, 8096-8105.	1.6	17
1548	Rheb1-Independent Activation of mTORC1 in Mammary Tumors Occurs through Activating Mutations in mTOR. <i>Cell Reports</i> , 2020, 31, 107571.	2.9	10
1549	Potential role of mTORC1 and the PI3K-Akt pathway in anti-acne properties of licorice flavonoids. <i>Journal of Functional Foods</i> , 2020, 70, 103968.	1.6	14

#	ARTICLE	IF	CITATIONS
1550	Insulin Function in Peripheral Taste Organ Homeostasis. <i>Current Oral Health Reports</i> , 2020, 7, 168-173.	0.5	0
1551	Chronic Binge Alcohol Exposure During Pregnancy Alters mTOR System in Rat Fetal Hippocampus. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 1329-1336.	1.4	8
1552	Dairy foods and maintenance of muscle mass in the elderly. , 2020, , 371-405.		0
1553	Guanosine potentiates the antidepressant-like effect of subthreshold doses of ketamine: Possible role of pro-synaptogenic signaling pathway. <i>Journal of Affective Disorders</i> , 2020, 271, 100-108.	2.0	15
1554	Inhibition of NF- κ B might enhance the protective role of roflupram on SH-SY5Y cells under amyloid β stimulation via PI3K/AKT/mTOR signaling pathway. <i>International Journal of Neuroscience</i> , 2021, 131, 864-874.	0.8	5
1555	Genetic Alterations in the PI3K/AKT Pathway and Baseline AKT Activity Define AKT Inhibitor Sensitivity in Breast Cancer Patient-derived Xenografts. <i>Clinical Cancer Research</i> , 2020, 26, 3720-3731.	3.2	21
1556	Loss of N-Glycanase 1 Alters Transcriptional and Translational Regulation in K562 Cell Lines. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1585-1597.	0.8	14
1557	A translation repressor, 4E-BP1, regulates the triglyceride level in rat liver during protein deprivation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E636-E645.	1.8	6
1558	mTORC2/Rac1 Pathway Predisposes Cancer Aggressiveness in IDH1-Mutated Glioma. <i>Cancers</i> , 2020, 12, 787.	1.7	22
1559	Effect of dietary selenium on postprandial protein deposition in the muscle of juvenile rainbow trout (<i>Oncorhynchus mykiss</i>). <i>British Journal of Nutrition</i> , 2021, 125, 721-731.	1.2	9
1560	RNA-binding proteins balance brain function in health and disease. <i>Physiological Reviews</i> , 2021, 101, 1309-1370.	13.1	57
1561	Effects of dietary arginine levels on growth, intestinal peptide and amino acid transporters, and gene expressions of the TOR signaling pathway in tiger puffer, <i>Takifugu rubripes</i> . <i>Aquaculture</i> , 2021, 532, 736086.	1.7	17
1562	Translational Control during Cellular Senescence. <i>Molecular and Cellular Biology</i> , 2021, 41, .	1.1	29
1563	Effects of DL-methionine and a methionine hydroxy analogue (MHA-Ca) on growth, amino acid profiles and the expression of genes related to taurine and protein synthesis in common carp (<i>Cyprinus Tj ETQq1 1 0.784317 rgBT /Overlock</i>		
1564	Regulation of ribosomal protein genes: An ordered anarchy. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1632.	3.2	72
1565	Molecular link between circadian clocks and cardiac function: a network of core clock, slave clock, and effectors. <i>Current Opinion in Pharmacology</i> , 2021, 57, 28-40.	1.7	11
1566	Effects of fishmeal replacement with composite mixture of shrimp hydrolysate and plant proteins on growth performance, feed utilization, and target of rapamycin pathway in largemouth bass, <i>Micropterus salmoides</i> . <i>Aquaculture</i> , 2021, 533, 736185.	1.7	48
1567	Berberine Represses β -Catenin Translation Involving 4E-BPs in Hepatocellular Carcinoma Cells. <i>Molecular Pharmacology</i> , 2021, 99, 1-16.	1.0	15

#	ARTICLE	IF	CITATIONS
1568	Splicing factors: Insights into their regulatory network in alternative splicing in cancer. <i>Cancer Letters</i> , 2021, 501, 83-104.	3.2	22
1569	The mTOR regulated RNA-binding protein LARP1 requires PABPC1 for guided mRNA interaction. <i>Nucleic Acids Research</i> , 2021, 49, 458-478.	6.5	66
1570	Sirtuins in mechanistic target of rapamycin complex 1 signaling. , 2021, , 191-212.		0
1571	Potent antitumour of the mTORC1/2 dual inhibitor AZD2014 in docetaxelâ€sensitive and docetaxelâ€resistant castrationâ€resistant prostate cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2436-2449.	1.6	17
1572	Amino Acid Homeostasis in Mammalian Cells with a Focus on Amino Acid Transport. <i>Journal of Nutrition</i> , 2022, 152, 16-28.	1.3	29
1573	Î³-Glutamylcyclotransferase, a novel regulator of HIF-1Î± expression, triggers aerobic glycolysis. <i>Cancer Gene Therapy</i> , 2022, 29, 37-48.	2.2	7
1574	The Effect of Medroxyprogesterone Acetate on the Secretion of Lipoprotein Lipase in Mouse Mammary Tumor Cells. <i>BPB Reports</i> , 2021, 4, 130-135.	0.1	0
1575	The optimum threonine requirement in diets of juvenile hybrid grouper (<i><i>epinephelus</i>) Tj ETQq1 1 0.784314 rgBTJ /Overlock 10 Tf 50	1.1	7
1576	The conductors of the metabolic orchestra. , 2021, , 37-62.		0
1577	Relaxed initiation pausing of ribosomes drives oncogenic translation. <i>Science Advances</i> , 2021, 7, .	4.7	7
1578	Regulation of PTEN translation by PI3K signaling maintains pathway homeostasis. <i>Molecular Cell</i> , 2021, 81, 708-723.e5.	4.5	51
1579	mTOR Signaling in Pulmonary Vascular Disease: Pathogenic Role and Therapeutic Target. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2144.	1.8	29
1582	An mTORC1-dependent switch orchestrates the transition between mouse spermatogonial stem cells and clones of progenitor spermatogonia. <i>Cell Reports</i> , 2021, 34, 108752.	2.9	27
1583	Beneficial Effect of <i>Thymelaea hirsuta</i> on Pancreatic Islet Degeneration, Renal Fibrosis, and Liver Damages as Demonstrated in Streptozotocin-Induced Diabetic Rat. <i>Scientific World Journal, The</i> , 2021, 2021, 1-13.	0.8	4
1584	Tripartite suppression of fission yeast TORC1 signaling by the GATOR1-Sea3 complex, the TSC complex, and Gcn2 kinase. <i>ELife</i> , 2021, 10, .	2.8	22
1585	Dysregulated Provision of Oxidisable Substrates to the Mitochondria in ME/CFS Lymphoblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2046.	1.8	24
1586	Crosstalk between the mTOR and DNA Damage Response Pathways in Fission Yeast. <i>Cells</i> , 2021, 10, 305.	1.8	4
1587	The mTORC1-mediated activation of ATF4 promotes protein and glutathione synthesis downstream of growth signals. <i>ELife</i> , 2021, 10, .	2.8	105

#	ARTICLE	IF	CITATIONS
1588	Phytogenic Water Additives Improve Broiler Growth Performance via Modulation of Intermediary Metabolism-Related Signaling Pathways. <i>Animals</i> , 2021, 11, 750.	1.0	6
1589	Overcoming Glucocorticoid Resistance in Acute Lymphoblastic Leukemia: Repurposed Drugs Can Improve the Protocol. <i>Frontiers in Oncology</i> , 2021, 11, 617937.	1.3	25
1590	Deletion of <i>Rptor</i> in Preosteoblasts Reveals a Role for the Mammalian Target of Rapamycin Complex 1 (mTORC1) Complex in Dietary-Induced Changes to Bone Mass and Glucose Homeostasis in Female Mice. <i>JBMR Plus</i> , 2021, 5, e10486.	1.3	1
1591	Hormonal and Metabolic Changes of Aging and the Influence of Lifestyle Modifications. <i>Mayo Clinic Proceedings</i> , 2021, 96, 788-814.	1.4	45
1592	Metformin prevents PFKFB3-related aerobic glycolysis from enhancing collagen synthesis in lung fibroblasts by regulating AMPK/mTOR pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 581.	0.8	16
1593	Expression of Phosphodiesterase (PDE) Isoenzymes in the Human Male and Female Urethra. <i>Research and Reports in Urology</i> , 2021, Volume 13, 139-145.	0.6	1
1594	Brain insulin, insulin-like growth factor 1 and glucagon-like peptide 1 signalling in Alzheimer's disease. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12959.	1.2	35
1595	Hsp90-mediated regulation of DYRK3 couples stress granule disassembly and growth via mTORC1 signaling. <i>EMBO Reports</i> , 2021, 22, e51740.	2.0	41
1596	Mutant Huntingtin stalls ribosomes and represses protein synthesis in a cellular model of Huntington disease. <i>Nature Communications</i> , 2021, 12, 1461.	5.8	65
1597	Natural products targeting into cancer hallmarks: An update on caffeine, theobromine, and (+)-catechin. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7222-7241.	5.4	33
1598	Convergent and Divergent Mechanisms of Epileptogenesis in mTORopathies. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 664695.	0.9	30
1599	A novel and highly effective mitochondrial uncoupling drug in T-cell leukemia. <i>Blood</i> , 2021, 138, 1317-1330.	0.6	11
1600	CCCP-induced mitochondrial dysfunction – characterization and analysis of integrated stress response to cellular signaling and homeostasis. <i>FEBS Journal</i> , 2021, 288, 5737-5754.	2.2	24
1601	The frequency of cannibalism by <i>Spodoptera frugiperda</i> larvae determines their probability of surviving food deprivation. <i>Journal of Pest Science</i> , 2022, 95, 145-157.	1.9	15
1602	Potential of the Anticancer Effects by Combining Docetaxel with Ku-0063794 against Triple-Negative Breast Cancer Cells. <i>Cancer Research and Treatment</i> , 2022, 54, 157-173.	1.3	4
1603	Role of branched-chain amino acids on growth, physiology and metabolism of different fish species: A review. <i>Aquaculture Nutrition</i> , 2021, 27, 1270-1289.	1.1	36
1604	The Role of Autophagy in the Pathogenesis of Ischemic Stroke. <i>Current Neuropharmacology</i> , 2021, 19, 629-640.	1.4	39
1605	Environmentally relevant concentration of sulfamethoxazole-induced oxidative stress-cascaded damages in the intestine of grass carp and the therapeutic application of exogenous lycopene. <i>Environmental Pollution</i> , 2021, 274, 116597.	3.7	69

#	ARTICLE	IF	CITATIONS
1606	4E-BP2â€œdependent translation in parvalbumin neurons controls epileptic seizure threshold. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
1607	Antitumor effects of lowâ€œdose tipifarnib on the mTOR signaling pathway and reactive oxygen species production in HIFâ€œ1Î±â€œexpressing gastric cancer cells. FEBS Open Bio, 2021, 11, 1465-1475.	1.0	9
1608	Autophagy status as a gateway for stress-induced catecholamine interplay in neurodegeneration. Neuroscience and Biobehavioral Reviews, 2021, 123, 238-256.	2.9	15
1609	Research Progresses of Targeted Therapy and Immunotherapy for Hepatocellular Carcinoma. Current Medicinal Chemistry, 2021, 28, 3107-3146.	1.2	9
1610	Insulin Resistance and Diabetes Mellitus in Alzheimerâ€™s Disease. Cells, 2021, 10, 1236.	1.8	73
1611	Parental energy-sensing pathways control intergenerational offspring sex determination in the nematode <i>Auanema freiburgensis</i> . BMC Biology, 2021, 19, 102.	1.7	9
1612	Genotype and Trait Specific Responses to Rapamycin Intake in <i>Drosophila melanogaster</i> . Insects, 2021, 12, 474.	1.0	11
1614	Dietary Selenium Regulates microRNAs in Metabolic Disease: Recent Progress. Nutrients, 2021, 13, 1527.	1.7	6
1615	Influence of Age on Skeletal Muscle Hypertrophy and Atrophy Signaling: Established Paradigms and Unexpected Links. Genes, 2021, 12, 688.	1.0	6
1616	Chemotherapeutic drugs: Cell death- and resistance-related signaling pathways. Are they really as smart as the tumor cells?. Translational Oncology, 2021, 14, 101056.	1.7	17
1617	Disruption of FOXO3a-miRNA feedback inhibition of IGF2/IGF-1R/IRS1 signaling confers Herceptin resistance in HER2-positive breast cancer. Nature Communications, 2021, 12, 2699.	5.8	46
1619	Reciprocal control of translation and transcription in autism spectrum disorder. EMBO Reports, 2021, 22, e52110.	2.0	15
1620	BAD regulates mammary gland morphogenesis by 4E-BP1-mediated control of localized translation in mouse and human models. Nature Communications, 2021, 12, 2939.	5.8	5
1621	mTORC1 promotes cell growth via m6A-dependent mRNA degradation. Molecular Cell, 2021, 81, 2064-2075.e8.	4.5	50
1622	Methylglyoxal Drives a Distinct, Nonclassical Macrophage Activation Status. Thrombosis and Haemostasis, 2021, 121, 1464-1475.	1.8	4
1624	Tanc2-mediated mTOR inhibition balances mTORC1/2 signaling in the developing mouse brain and human neurons. Nature Communications, 2021, 12, 2695.	5.8	18
1625	Rheb-mTOR activation rescues AÎ²-induced cognitive impairment and memory function by restoring miR-146 activity in glial cells. Molecular Therapy - Nucleic Acids, 2021, 24, 868-887.	2.3	14
1626	Phosphorylation of a reinitiation supporting protein, RISP, determines its function in translation reinitiation. Nucleic Acids Research, 2021, 49, 6908-6924.	6.5	14

#	ARTICLE	IF	CITATIONS
1628	Cancer cells dysregulate PI3K/AKT/mTOR pathway activation to ensure their survival and proliferation: mimicking them is a smart strategy of gammaherpesviruses. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021, 56, 500-509.	2.3	20
1629	Liver Metabolome and Proteome Response of Turbot (<i>Scophthalmus maximus</i>) to Lysine and Leucine in Free and Dipeptide Forms. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
1630	Phase 0 Clinical Trial of Everolimus in Patients with Vestibular Schwannoma or Meningioma. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1584-1591.	1.9	11
1631	In Silico and In Cell Hybrid Selection of Nonrapalog Ligands to Allosterically Inhibit the Kinase Activity of mTORC1. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1329-1341.	2.9	10
1632	O-GlcNAcylation in Hyperglycemic Pregnancies: Impact on Placental Function. <i>Frontiers in Endocrinology</i> , 2021, 12, 659733.	1.5	3
1633	The Energy Status of Astrocytes Is the Achilles Heel of eIF2B-Leukodystrophy. <i>Cells</i> , 2021, 10, 1858.	1.8	8
1634	Over-expressed RHEB promotes the progression of pancreatic adenocarcinoma. <i>Life Sciences</i> , 2021, 277, 119462.	2.0	3
1635	Exogenous insulin-like growth factor 1 attenuates cisplatin-induced muscle atrophy in mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1570-1581.	2.9	22
1636	Inhibition of mTORC1 through ATF4-induced REDD1 and Sestrin2 expression by Metformin. <i>BMC Cancer</i> , 2021, 21, 803.	1.1	9
1637	The TOR-dependent phosphoproteome and regulation of cellular protein synthesis. <i>EMBO Journal</i> , 2021, 40, e107911.	3.5	7
1638	Fish protein hydrolysate supplementation in plant protein based diets for tiger puffer (<i>Takifugu</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 34	0.7	14
1639	Cytosolic GDH1 degradation restricts protein synthesis to sustain tumor cell survival following amino acid deprivation. <i>EMBO Journal</i> , 2021, 40, e107480.	3.5	11
1640	Targeting mTOR signaling overcomes acquired resistance to combined BRAF and MEK inhibition in BRAF-mutant melanoma. <i>Oncogene</i> , 2021, 40, 5590-5599.	2.6	33
1641	Lipid metabolism, inflammation, and foam cell formation in health and metabolic disorders: targeting mTORC1. <i>Journal of Molecular Medicine</i> , 2021, 99, 1497-1509.	1.7	17
1642	Methionine and Arginine Supply Alters Abundance of Amino Acid, Insulin Signaling, and Glutathione Metabolism-Related Proteins in Bovine Subcutaneous Adipose Explants Challenged with N-Acetyl-d-sphingosine. <i>Animals</i> , 2021, 11, 2114.	1.0	2
1644	Target of rapamycin controls hyphal growth and pathogenicity through FoTIP4 in <i>Fusarium oxysporum</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 1239-1255.	2.0	8
1646	Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. <i>Cell Reports</i> , 2021, 36, 109491.	2.9	11
1647	Role of Inflammatory Mediators, Macrophages, and Neutrophils in Glioma Maintenance and Progression: Mechanistic Understanding and Potential Therapeutic Applications. <i>Cancers</i> , 2021, 13, 4226.	1.7	43

#	ARTICLE	IF	CITATIONS
1648	Maslinic acid activates mTORC1 and human TGR5 and induces skeletal muscle hypertrophy. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2311-2321.	0.6	11
1649	LncRNA coordinates Hippo and mTORC1 pathway activation in cancer. <i>Cell Death and Disease</i> , 2021, 12, 822.	2.7	7
1650	The Akt-mTOR network at the interface of hematopoietic stem cell homeostasis. <i>Experimental Hematology</i> , 2021, 103, 15-23.	0.2	15
1651	Dietary DL-methionyl-L-methionine supplementation could improve growth performance under low fishmeal strategies by modulating TOR signalling pathway of <i>Litopenaeus vannamei</i> .	1.1	8
1653	Regulation of mTORC1 by amino acids in mammalian cells: A general picture of recent advances. <i>Animal Nutrition</i> , 2021, 7, 1009-1023.	2.1	30
1654	Transcriptomic Repositioning Analysis Identifies mTOR Inhibitor as Potential Therapy for Epidermolysis Bullosa Simplex. <i>Journal of Investigative Dermatology</i> , 2022, 142, 382-389.	0.3	7
1655	Oncogene-independent resistance in Philadelphia chromosome - positive (Ph+) acute lymphoblastic leukemia (ALL) is mediated by activation of AKT/mTOR pathway. <i>Neoplasia</i> , 2021, 23, 1016-1027.	2.3	2
1656	Deficiency of eIF4B Increases Mouse Mortality and Impairs Antiviral Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 723885.	2.2	6
1657	Amino acids and mechanistic target of rapamycin regulate the fate of live engulfed cells. <i>FASEB Journal</i> , 2021, 35, e21909.	0.2	4
1659	Differential Association of 4E-BP2-Interacting Proteins Is Related to Selective Delayed Neuronal Death after Ischemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10327.	1.8	3
1660	Autophagy as a gateway for the effects of methamphetamine: From neurotransmitter release and synaptic plasticity to psychiatric and neurodegenerative disorders. <i>Progress in Neurobiology</i> , 2021, 204, 102112.	2.8	15
1661	Oncogene-dependent sloppiness in mRNA translation. <i>Molecular Cell</i> , 2021, 81, 4709-4721.e9.	4.5	21
1662	Desmosomes as Signaling Hubs in the Regulation of Cell Behavior. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 745670.	1.8	34
1663	Improved tumor-suppressive effect of OZ-001 combined with cisplatin mediated by mTOR/p70S6K and STAT3 inactivation in A549 human lung cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111961.	2.5	4
1664	Hepatic mTORC1 signaling activates ATF4 as part of its metabolic response to feeding and insulin. <i>Molecular Metabolism</i> , 2021, 53, 101309.	3.0	16
1665	Multifaceted roles of HSF1 in cell death: A state-of-the-art review. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188591.	3.3	22
1666	Essential role of 4E-BP1 for lymphocyte activation and proliferation in the adaptive immune response of Nile tilapia. <i>Fish and Shellfish Immunology Reports</i> , 2021, 2, 100006.	0.5	1
1667	Insulin and aging. <i>Vitamins and Hormones</i> , 2021, 115, 185-219.	0.7	14

#	ARTICLE	IF	CITATIONS
1668	Translation initiation and its relevance in colorectal cancer. <i>FEBS Journal</i> , 2021, 288, 6635-6651.	2.2	10
1669	Involvement of Autophagy in Levodopa-Induced Dyskinesia. <i>Movement Disorders</i> , 2021, 36, 1137-1146.	2.2	8
1670	AMP-activated Protein Kinase Activation Suppresses Protein Synthesis and mTORC1 Signaling in Chick Myotube Cultures. <i>Journal of Poultry Science</i> , 2021, 59, 81-85.	0.7	10
1671	OsPPR939, a nad5 splicing factor, is essential for plant growth and pollen development in rice. <i>Theoretical and Applied Genetics</i> , 2021, 134, 923-940.	1.8	10
1672	Stress Granules in the Post-transcriptional Regulation of Immune Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 611185.	1.8	7
1673	mTORC1 promotes TOP mRNA translation through site-specific phosphorylation of LARP1. <i>Nucleic Acids Research</i> , 2021, 49, 3461-3489.	6.5	47
1675	Research Translation and Personalized Medicine. , 2012, , 161-191.		5
1676	Endophenotypes in Autism Spectrum Disorders. , 2014, , 77-95.		8
1677	Cell Cycle Regulation by the Nutrient-Sensing Mammalian Target of Rapamycin (mTOR) Pathway. <i>Methods in Molecular Biology</i> , 2014, 1170, 113-144.	0.4	108
1679	Role of the HIF oxygen sensing pathway in cell defense and proliferation through the control of amino acid metabolism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118733.	1.9	13
1680	Selective androgen receptor modulator, S42 has anabolic and anti-catabolic effects on cultured myotubes. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 177-181.	0.7	8
1681	High glucose up-regulates Semaphorin 3A expression via the mTOR signaling pathway in keratinocytes: A potential mechanism and therapeutic target for diabetic small fiber neuropathy. <i>Molecular and Cellular Endocrinology</i> , 2018, 472, 107-116.	1.6	23
1682	Selective deletion of MyD88 signaling in α -SMA positive cells ameliorates experimental intestinal fibrosis via post-transcriptional regulation. <i>Mucosal Immunology</i> , 2020, 13, 665-678.	2.7	32
1683	L-Theanine regulates glucose, lipid, and protein metabolism via insulin and AMP-activated protein kinase signaling pathways. <i>Food and Function</i> , 2020, 11, 1798-1809.	2.1	38
1684	Unpuzzling COVID-19: tissue-related signaling pathways associated with SARS-CoV-2 infection and transmission. <i>Clinical Science</i> , 2020, 134, 2137-2160.	1.8	68
1685	OUP accepted manuscript. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 689-695.	0.9	4
1686	Intermittent Bolus Feeding Enhances Organ Growth More Than Continuous Feeding in a Neonatal Piglet Model. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa170.	0.1	4
1687	Differential metabolic sensitivity of insulin-like-response- and TORC1-dependent overgrowth in <i>Drosophila</i> fat cells. <i>Genetics</i> , 2021, 217, 1-12.	1.2	3

#	ARTICLE	IF	CITATIONS
1688	PTEN Blocking Stimulates Corticospinal and Raphespinal Axonal Regeneration and Promotes Functional Recovery After Spinal Cord Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 169-181.	0.9	11
1689	Impact of nutrient overload on metabolic homeostasis. <i>Nutrition Reviews</i> , 2018, 76, 693-707.	2.6	28
1697	Autophagy Impairment through Lysosome Dysfunction by Brucine Induces Immunogenic Cell Death (ICD). <i>The American Journal of Chinese Medicine</i> , 2020, 48, 1915-1940.	1.5	13
1698	Nutrient Sensing in Cancer. <i>Annual Review of Cancer Biology</i> , 2018, 2, 251-269.	2.3	29
1699	Deregulation of the PI3K and KRAS signaling pathways in human cancer cells determines their response to everolimus. <i>Journal of Clinical Investigation</i> , 2010, 120, 2858-2866.	3.9	309
1700	mTORC1 is essential for leukemia propagation but not stem cell self-renewal. <i>Journal of Clinical Investigation</i> , 2012, 122, 2114-2129.	3.9	117
1701	Leukemia inhibitory factor promotes nasopharyngeal carcinoma progression and radioresistance. <i>Journal of Clinical Investigation</i> , 2013, 123, 5269-5283.	3.9	143
1702	NO triggers RGS4 degradation to coordinate angiogenesis and cardiomyocyte growth. <i>Journal of Clinical Investigation</i> , 2013, 123, 1718-1731.	3.9	72
1703	Muscle-specific 4E-BP1 signaling activation improves metabolic parameters during aging and obesity. <i>Journal of Clinical Investigation</i> , 2015, 125, 2952-2964.	3.9	100
1704	Mechanistically distinct cancer-associated mTOR activation clusters predict sensitivity to rapamycin. <i>Journal of Clinical Investigation</i> , 2016, 126, 3526-3540.	3.9	82
1705	p53 coordinates decidual sestrin 2/AMPK/mTORC1 signaling to govern parturition timing. <i>Journal of Clinical Investigation</i> , 2016, 126, 2941-2954.	3.9	70
1706	Activin-A enhances mTOR signaling to promote aberrant chondrogenesis in fibrodysplasia ossificans progressiva. <i>Journal of Clinical Investigation</i> , 2017, 127, 3339-3352.	3.9	126
1707	Human herpesvirus-8 encoded kinase induces B cell lymphomas in vivo. <i>Journal of Clinical Investigation</i> , 2018, 128, 2519-2534.	3.9	23
1708	mTOR-coordinated Post-Transcriptional Gene Regulations: from Fundamental to Pathogenic Insights. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 8.	1.1	8
1709	Accelerated Wound Healing by mTOR Activation in Genetically Defined Mouse Models. <i>PLoS ONE</i> , 2010, 5, e10643.	1.1	158
1710	MYC Cooperates with AKT in Prostate Tumorigenesis and Alters Sensitivity to mTOR Inhibitors. <i>PLoS ONE</i> , 2011, 6, e17449.	1.1	77
1711	Identification of Global Alteration of Translational Regulation in Glioma In Vivo. <i>PLoS ONE</i> , 2012, 7, e46965.	1.1	21
1712	Mechanical Stimulation Induces mTOR Signaling via an ERK-Independent Mechanism: Implications for a Direct Activation of mTOR by Phosphatidic Acid. <i>PLoS ONE</i> , 2012, 7, e47258.	1.1	72

#	ARTICLE	IF	CITATIONS
1713	Different Patterns of Akt and ERK Feedback Activation in Response to Rapamycin, Active-Site mTOR Inhibitors and Metformin in Pancreatic Cancer Cells. PLoS ONE, 2013, 8, e57289.	1.1	118
1714	Evidence for a Pro-Proliferative Feedback Loop in Prostate Cancer: The Role of Epac1 and COX-2-Dependent Pathways. PLoS ONE, 2013, 8, e63150.	1.1	26
1715	Stochastic Model of Tsc1 Lesions in Mouse Brain. PLoS ONE, 2013, 8, e64224.	1.1	16
1716	Rapamycin Treatment Improves Neuron Viability in an In Vitro Model of Stroke. PLoS ONE, 2013, 8, e68281.	1.1	48
1717	Essential Amino Acid Enriched High-Protein Enteral Nutrition Modulates Insulin-Like Growth Factor-1 System Function in a Rat Model of Trauma-Hemorrhagic Shock. PLoS ONE, 2013, 8, e77823.	1.1	8
1718	Differential Effects of Selective Inhibitors Targeting the PI3K/AKT/mTOR Pathway in Acute Lymphoblastic Leukemia. PLoS ONE, 2013, 8, e80070.	1.1	59
1719	Mammalian Target of Rapamycin Complex I (mTORC1) Activity in Ras Homologue Enriched in Brain (Rheb)-Deficient Mouse Embryonic Fibroblasts. PLoS ONE, 2013, 8, e81649.	1.1	15
1720	SILAC-Based Quantitative Proteomic Analysis of Human Lung Cell Response to Copper Oxide Nanoparticles. PLoS ONE, 2014, 9, e114390.	1.1	28
1721	Inhibitors of CLK Protein Kinases Suppress Cell Growth and Induce Apoptosis by Modulating Pre-mRNA Splicing. PLoS ONE, 2015, 10, e0116929.	1.1	100
1722	Promotion of Ovarian Follicle Growth following mTOR Activation: Synergistic Effects of AKT Stimulators. PLoS ONE, 2015, 10, e0117769.	1.1	81
1723	Inhibition of Aerobic Glycolysis Attenuates Disease Progression in Polycystic Kidney Disease. PLoS ONE, 2016, 11, e0146654.	1.1	81
1724	Cadmium Activates Multiple Signaling Pathways That Coordinately Stimulate Akt Activity to Enhance c-Myc mRNA Stability. PLoS ONE, 2016, 11, e0147011.	1.1	9
1725	Cyclin B Translation Depends on mTOR Activity after Fertilization in Sea Urchin Embryos. PLoS ONE, 2016, 11, e0150318.	1.1	18
1726	Glutamate alleviates muscle protein loss by modulating TLR4, NODs, Akt/FOXO and mTOR signaling pathways in LPS-challenged piglets. PLoS ONE, 2017, 12, e0182246.	1.1	13
1727	Place of mTOR inhibitors in management of BKV infection after kidney transplantation. Journal of Nephropathology, 2016, 5, 1-7.	0.1	26
1728	mTOR Signaling in Regulatory T Cell Differentiation and Expansion. SOJ Immunology, 2015, 3, .	0.2	6
1729	So close, no matter how far: multiple paths connecting transcription to mRNA translation in eukaryotes. EMBO Reports, 2020, 21, e50799.	2.0	24
1730	Resistance to targeted treatment of gastroenteropancreatic neuroendocrine tumors. Endocrine-Related Cancer, 2019, 26, R109-R130.	1.6	24

#	ARTICLE	IF	CITATIONS
1731	The mTOR pathway in reproduction: from gonadal function to developmental coordination. <i>Reproduction</i> , 2020, 159, R173-R188.	1.1	27
1732	Metformin and sex: why suppression of aging may be harmful to young male mice. <i>Aging</i> , 2010, 2, 897-899.	1.4	16
1733	Molecular damage in cancer: an argument for mTOR-driven aging. <i>Aging</i> , 2011, 3, 1130-1141.	1.4	76
1734	Cell cycle arrest is not yet senescence, which is not just cell cycle arrest: terminology for TOR-driven aging. <i>Aging</i> , 2012, 4, 159-165.	1.4	224
1735	Potential anti-aging agents suppress the level of constitutive mTOR- and DNA damage- signaling. <i>Aging</i> , 2012, 4, 952-965.	1.4	86
1736	miR-150-5p suppresses tumor progression by targeting VEGFA in colorectal cancer. <i>Aging</i> , 2018, 10, 3421-3437.	1.4	87
1737	SP1-induced lncRNA TINCR overexpression contributes to colorectal cancer progression by sponging miR-7-5p. <i>Aging</i> , 2019, 11, 1389-1403.	1.4	52
1738	Association of genes with phenotype in autism spectrum disorder. <i>Aging</i> , 2019, 11, 10742-10770.	1.4	23
1739	mTORC2 modulates feedback regulation of p38 MAPK activity via DUSP10/MKP5 to confer differential responses to PP242 in glioblastoma. <i>Genes and Cancer</i> , 2014, 5, 393-406.	0.6	23
1740	Genetic polymorphisms of <i>mTOR</i> and cancer risk: a systematic review and updated meta-analysis. <i>Oncotarget</i> , 2016, 7, 57464-57480.	0.8	33
1741	Growth factor progranulin promotes tumorigenesis of cervical cancer via PI3K/Akt/mTOR signaling pathway. <i>Oncotarget</i> , 2016, 7, 58381-58395.	0.8	48
1742	Potential of the anticancer effects of everolimus using a dual mTORC1/2 inhibitor in hepatocellular carcinoma cells. <i>Oncotarget</i> , 2017, 8, 2936-2948.	0.8	20
1743	Clinicopathological signature of p21-activated kinase 1 in prostate cancer and its regulation of proliferation and autophagy via the mTOR signaling pathway. <i>Oncotarget</i> , 2017, 8, 22563-22580.	0.8	19
1744	Targeting mantle cell lymphoma metabolism and survival through simultaneous blockade of mTOR and nuclear transporter exportin-1. <i>Oncotarget</i> , 2017, 8, 34552-34564.	0.8	9
1745	Phenformin enhances the therapeutic effect of selumetinib in KRAS-mutant non-small cell lung cancer irrespective of LKB1 status. <i>Oncotarget</i> , 2017, 8, 59008-59022.	0.8	11
1746	Down-regulation of CHERP inhibits neuroblastoma cell proliferation and induces apoptosis through ER stress induction. <i>Oncotarget</i> , 2017, 8, 80956-80970.	0.8	13
1747	The nuclear import of ribosomal proteins is regulated by mTOR. <i>Oncotarget</i> , 2014, 5, 9577-9593.	0.8	20
1748	CD44 positive and sorafenib insensitive hepatocellular carcinomas respond to the ATP-competitive mTOR inhibitor INK128. <i>Oncotarget</i> , 2018, 9, 26032-26045.	0.8	26

#	ARTICLE	IF	CITATIONS
1749	The combination of everolimus and zoledronic acid increase the efficacy of gemcitabine in a mouse model of pancreatic adenocarcinoma. <i>Oncotarget</i> , 2018, 9, 28069-28082.	0.8	6
1750	Human amniotic fluid stem cells as a model for functional studies of genes involved in human genetic diseases or oncogenesis. <i>Oncotarget</i> , 2011, 2, 705-712.	0.8	27
1751	Translation initiation complex eIF4F is a therapeutic target for dual mTOR kinase inhibitors in non-Hodgkin lymphoma. <i>Oncotarget</i> , 2015, 6, 9488-9501.	0.8	42
1752	AMP-activated protein kinase is dispensable for maintaining ATP levels and for survival following inhibition of glycolysis, but promotes tumour engraftment of Ras-transformed fibroblasts. <i>Oncotarget</i> , 2015, 6, 11833-11847.	0.8	7
1753	Torin2 targets dysregulated pathways in anaplastic thyroid cancer and inhibits tumor growth and metastasis. <i>Oncotarget</i> , 2015, 6, 18038-18049.	0.8	23
1754	A non-canonical adenosinergic pathway led by CD38 in human melanoma cells induces suppression of T cell proliferation. <i>Oncotarget</i> , 2015, 6, 25602-25618.	0.8	79
1755	Two hits are better than one: targeting both phosphatidylinositol 3-kinase and mammalian target of rapamycin as a therapeutic strategy for acute leukemia treatment. <i>Oncotarget</i> , 2012, 3, 371-394.	0.8	109
1756	Acyl-CoA synthetase-4, a new regulator of mTOR and a potential therapeutic target for enhanced estrogen receptor function in receptor-positive and -negative breast cancer. <i>Oncotarget</i> , 2015, 6, 42632-42650.	0.8	45
1757	The ribosomal protein S6 in renal cell carcinoma: functional relevance and potential as biomarker. <i>Oncotarget</i> , 2016, 7, 418-432.	0.8	28
1758	mTOR kinase inhibitor pp242 causes mitophagy terminated by apoptotic cell death in E1A-Ras transformed cells. <i>Oncotarget</i> , 2015, 6, 44905-44926.	0.8	17
1759	Dual PI-3 kinase/mTOR inhibition impairs autophagy flux and induces cell death independent of apoptosis and necroptosis. <i>Oncotarget</i> , 2016, 7, 5157-5175.	0.8	31
1760	Superior efficacy of co-treatment with dual PI3K/mTOR inhibitor NVP-BEZ235 and pan-histone deacetylase inhibitor against human pancreatic cancer. <i>Oncotarget</i> , 2012, 3, 1416-1427.	0.8	46
1761	Prevention of irradiation-induced salivary hypofunction by rapamycin in swine parotid glands. <i>Oncotarget</i> , 2016, 7, 20271-20281.	0.8	25
1762	Rheb may complex with RASSF1A to coordinate Hippo and TOR signaling. <i>Oncotarget</i> , 2016, 7, 33821-33831.	0.8	17
1763	Do p53 stress responses impact organismal aging?. <i>Translational Cancer Research</i> , 2016, 5, 685-691.	0.4	8
1764	Nutrient-induced Mitochondrial Activation (NiMA): A Novel Lysosome-to-Mitochondria Signaling Pathway Disrupted by Amyloid- Oligomers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1765	Insulin Stimulation of Protein Synthesis and mTOR Signaling in Chick Myotube Cultures. <i>Journal of Poultry Science</i> , 2020, 57, 205-209.	0.7	4
1766	Therapeutic Strategies to Increase Human β -Cell Growth and Proliferation by Regulating mTOR and GSK-3/ β -Catenin Pathways. <i>The Open Endocrinology Journal</i> , 2010, 4, 40-54.	0.1	6

#	ARTICLE	IF	CITATIONS
1767	MOLECULAR ASPECTS OF SARCOPENIA PATHOGENESIS IN CHRONOC KIDNEY DISEASE: INTEGRATED ROLE OF mTOR. <i>Nephrology (Saint-Petersburg)</i> , 2018, 22, 9-16.	0.1	4
1768	Effect of branched-chain amino acid supplementation on the oxidized/reduced state of plasma albumin in rats with chronic liver disease. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011, 50, 67-71.	0.6	14
1769	Rabin8 Protein Interacts with GTPase Rheb and Inhibits Phosphorylation of Ser235/Ser236 in Small Ribosomal Subunit Protein S6. <i>Acta Naturae</i> , 2011, 3, 71-76.	1.7	7
1770	Crosstalk Between Hypoxia and ER Stress Response: A Key Regulator of Macrophage Polarization. <i>Frontiers in Immunology</i> , 2019, 10, 2951.	2.2	77
1771	Ginseng polysaccharide inhibits MDA-MB-231 cell proliferation by activating the inflammatory response. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	8
1772	Baicalin alleviates bleomycin-induced pulmonary fibrosis and fibroblast proliferation in rats via the PI3K/AKT signaling pathway. <i>Molecular Medicine Reports</i> , 2020, 21, 2321-2334.	1.1	30
1773	Molecular mechanisms of cancer cachexia-induced muscle atrophy (Review). <i>Molecular Medicine Reports</i> , 2020, 22, 4967-4980.	1.1	29
1774	REDD1 overexpression in oral squamous cell carcinoma may predict poor prognosis and correlates with high microvessel density. <i>Oncology Letters</i> , 2020, 19, 431-441.	0.8	9
1775	Nucleobindin-2 enhances the epithelial-mesenchymal transition in renal cell carcinoma. <i>Oncology Letters</i> , 2020, 19, 3653-3664.	0.8	10
1776	Inhaled biguanides and mTOR inhibition for influenza and coronavirus (Review). <i>World Academy of Sciences Journal</i> , 2020, 2, .	0.4	32
1777	Blood Flow in Uniform Planar Channel. <i>Asian Journal of Applied Sciences</i> , 2007, 1, 46-58.	0.4	3
1778	PTEN knockdown with the Y444F mutant AAV2 vector promotes axonal regeneration in the adult optic nerve. <i>Neural Regeneration Research</i> , 2018, 13, 135.	1.6	11
1779	Role of the metabolism of branched-chain amino acids in the development of Alzheimer's disease and other metabolic disorders. <i>Neural Regeneration Research</i> , 2020, 15, 1460.	1.6	73
1780	iTorin1-An Active Site Inhibitor of mTOR, Suppresses Prostate Cancer Cell Growth Induced by Activated β 2M-Macroglobulin Ligation of Cell Surface GRP78. <i>Journal of Cancer Therapy</i> , 2013, 04, 74-85.	0.1	1
1781	Mechanisms mediating the effects of alcohol and HIV anti-retroviral agents on mTORC1, mTORC2 and protein synthesis in myocytes. <i>World Journal of Biological Chemistry</i> , 2012, 3, 110.	1.7	13
1782	ER Stress Activates the TOR Pathway through Atf6. <i>Journal of Molecular Signaling</i> , 2018, 13, 1.	0.5	17
1783	The functions of mTOR in ischemic diseases. <i>BMB Reports</i> , 2011, 44, 506-511.	1.1	53
1784	Translation initiation mediated by nuclear cap-binding protein complex. <i>BMB Reports</i> , 2017, 50, 186-193.	1.1	28

#	ARTICLE	IF	CITATIONS
1785	Signalling Pathways in Development and Human Disease: A Drosophila Wing Perspective. , 0, , .		8
1786	Pharmacological Approaches to Improve Ageing. , 0, , .		2
1787	Expression and Phosphorylation of Eukaryotic Translation Initiation Factor 4E Binding Protein 1 in B-Cell Lymphomas and Reactive Lymphoid Tissues. Archives of Pathology and Laboratory Medicine, 2011, 135, 365-371.	1.2	13
1788	Use of Everolimus-based Immunosuppression to Decrease Cytomegalovirus Infection After Kidney Transplant. Experimental and Clinical Transplantation, 2016, 14, 361-6.	0.2	4
1789	Prognostic Value of Phosphorylated mTOR/RPS6KB1 in Non-small Cell Lung Cancer. Asian Pacific Journal of Cancer Prevention, 2013, 14, 3725-3728.	0.5	20
1790	A novel sphingolipid-TORC1 pathway critically promotes postembryonic development in Caenorhabditis elegans. ELife, 2013, 2, e00429.	2.8	85
1791	The insulin receptor cellular IRES confers resistance to eIF4A inhibition. ELife, 2013, 2, e00542.	2.8	31
1792	Insulin signaling controls neurotransmission via the 4eBP-dependent modification of the exocytotic machinery. ELife, 2016, 5, .	2.8	19
1793	HIF-2 α is essential for carotid body development and function. ELife, 2018, 7, .	2.8	38
1794	GTPBP1 resolves paused ribosomes to maintain neuronal homeostasis. ELife, 2020, 9, .	2.8	28
1795	Control of muscle protein synthesis in response to exercise and amino acids. The Journal of Physical Fitness and Sports Medicine, 2012, 1, 297-305.	0.2	1
1796	Role of Ca ²⁺ signaling in skeletal muscle hypertrophy and atrophy. The Journal of Physical Fitness and Sports Medicine, 2015, 4, 171-176.	0.2	4
1797	Expression of 4E-BP1 in juvenile mice alleviates mTOR-induced neuronal dysfunction and epilepsy. Brain, 2022, 145, 1310-1325.	3.7	15
1798	Emerging roles of PHLPP phosphatases in metabolism. BMB Reports, 2021, 54, 451-457.	1.1	5
1799	Multiple strategies for the treatment of invasive breast carcinoma: A comprehensive prospective. Drug Discovery Today, 2022, 27, 585-611.	3.2	6
1800	Classic and Non-Classic Effects of the Duration of Supplementation of 25-Hydroxicholecalciferol in Broiler Chicken Diets. Animals, 2021, 11, 2971.	1.0	1
1801	M ⁶ A-mediated up-regulation of LncRNA LIFR-AS1 enhances the progression of pancreatic cancer via miRNA-150-5p/ VEGFA/Akt signaling. Cell Cycle, 2021, 20, 2507-2518.	1.3	22
1802	REDD1 deletion attenuates cancer cachexia in mice. Journal of Applied Physiology, 2021, 131, 1718-1730.	1.2	9

#	ARTICLE	IF	CITATIONS
1803	AKAP13 couples GPCR signaling to mTORC1 inhibition. PLoS Genetics, 2021, 17, e1009832.	1.5	12
1804	DARPP-32 promotes ERBB3-mediated resistance to molecular targeted therapy in EGFR-mutated lung adenocarcinoma. Oncogene, 2022, 41, 83-98.	2.6	12
1805	Mapping of mTOR drug targets: Featured platforms for anti-cancer drug discovery. , 2022, 232, 108012.		12
1806	GCN2 adapts protein synthesis to scavenging-dependent growth. Cell Systems, 2022, 13, 158-172.e9.	2.9	12
1807	Muscle-specific Cand2 is translationally upregulated by mTORC1 and promotes adverse cardiac remodeling. EMBO Reports, 2021, 22, e52170.	2.0	13
1808	Regulation of pancreatic exocrine in ruminants and the related mechanism: The signal transduction and more. Animal Nutrition, 2021, 7, 1145-1151.	2.1	7
1809	3-Phosphoinositide-Dependent Protein Kinase is a Switchboard from Signaling Lipids to Protein Phosphorylation Cascades. Plant Cell Monographs, 2010, , 243-259.	0.4	0
1810	Negative Regulation of TH17 Differentiation. , 2011, , 129-155.		1
1811	Organ-Protective Strategy as the Management of Hyperglycemia. The Journal of Japan Society for Clinical Anesthesia, 2011, 31, 107-115.	0.0	0
1812	Targeting the mTOR, PI3K, and AKT Pathways in Melanoma. , 2012, , 107-123.		0
1813	UPR Activation in Cancer Cells: A Double-Edged Sword. , 2012, , 383-412.		1
1814	Regulations and Functions of ICK/MAK/MOK - A Novel MAPK-Related Kinase Family Linked to Human Diseases. , 0, , .		1
1816	mTOR and its Downstream Targets. , 2013, , 194-199.		0
1817	Amino Acids, Gene Expression, and Cell Signaling in the Pig Intestine. , 2013, , 151-174.		1
1818	Hematological Malignancies and Premalignant Conditions. , 2014, , 467-486.		1
1821	Translational Control of Cell Proliferation and Viability in Normal and Neoplastic Cells. , 2014, , 377-394.		0
1823	Mammalian Target of Rapamycin (mTOR). , 2015, , 1-21.		0
1824	Hepatic Lipogenesis: Nutritional Control and Pathophysiological Relevance. , 2016, , 211-234.		1

#	ARTICLE	IF	CITATIONS
1825	Mammalian Target of Rapamycin (mTOR). , 2016, , 874-892.		0
1826	Cell Stress Responses to Pulsed Electric Fields. , 2016, , 1-17.		1
1827	Evolution of eIF4E-Interacting Proteins. , 2016, , 207-234.		3
1828	Sarcopenia and Androgens: A Link between Pathology and Treatment. , 2016, , 239-268.		0
1833	Cancer Metabolism. , 2018, , 129-154.		0
1839	A Tale of Sugars and Hormones: Perception and Responses. , 2019, , 323-360.		0
1840	Sex Steroid Hormones and Osteosarcopenia. , 2019, , 173-190.		0
1841	MicroRNA-494 inhibits apoptosis of murine vascular smooth muscle cells in vitro. Molecular Medicine Reports, 2019, 19, 4457-4467.	1.1	3
1846	Small molecule H89 renders the phosphorylation of S6K1 and AKT resistant to mTOR inhibitors. Biochemical Journal, 2020, 477, 1847-1863.	1.7	9
1850	Discovery of seneciobipyrrolidine derivatives for the amelioration of glucose homeostasis disorders through 4E-BP1/Akt/AMPK signaling activation. European Journal of Medicinal Chemistry, 2022, 228, 113954.	2.6	4
1852	Guanidinoacetic acid supplementation on growth performance and molecular mechanisms of lean mass gain in nursery pigs. Ciencia Rural, 2020, 50, .	0.3	4
1853	Regeneration of Retinal Ganglion Cell Axons. , 2020, , 630-641.		0
1854	The Aging of Skeletal Muscle and Potential Therapeutic Effects of Extracts from Edible and Inedible Plants. Reviews in Agricultural Science, 2020, 8, 70-88.	0.9	3
1855	The Cell Nucleus and Its Compartments. Biological and Medical Physics Series, 2020, , 333-414.	0.3	0
1856	Analysis of microRNA expression profiling during paraquat-induced injury of murine lung alveolar epithelial cells. Journal of Toxicological Sciences, 2020, 45, 423-434.	0.7	3
1859	Superior cancer preventive efficacy of low versus high dose of mTOR inhibitor in a mouse model of prostate cancer. Oncotarget, 2020, 11, 1373-1387.	0.8	7
1861	Autophagy and apoptosis cascade: which is more prominent in neuronal death?. Cellular and Molecular Life Sciences, 2021, 78, 8001-8047.	2.4	58
1862	Dyrk1b promotes autophagy during skeletal muscle differentiation by upregulating 4e-bp1. Cellular Signalling, 2022, 90, 110186.	1.7	4

#	ARTICLE	IF	CITATIONS
1866	Anti-proliferation effects of Sirolimus sustained delivery film in rabbit glaucoma filtration surgery. <i>Molecular Vision</i> , 2011, 17, 2495-506.	1.1	20
1867	Aging and the Mammalian regulatory triumvirate. , 2010, 1, 105-38.		10
1868	Rabin8 Protein Interacts with GTPase Rheb and Inhibits Phosphorylation of Ser235/Ser236 in Small Ribosomal Subunit Protein S6. <i>Acta Naturae</i> , 2011, 3, 71-6.	1.7	6
1869	Phosphorylated mTOR expression correlates with poor outcome in early-stage triple negative breast carcinomas. <i>International Journal of Clinical and Experimental Pathology</i> , 2012, 5, 806-13.	0.5	41
1870	Targeting the VEGF and PDGF signaling pathway in glioblastoma treatment. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 7825-37.	0.5	22
1871	mTOR Inhibitors at a Glance. <i>Molecular and Cellular Pharmacology</i> , 2015, 7, 15-20.	1.7	73
1872	mTOR function and therapeutic targeting in breast cancer. <i>American Journal of Cancer Research</i> , 2017, 7, 383-404.	1.4	53
1873	Genetic Interactions among AMPK Catalytic Subunit Ssp2 and Glycogen Synthase Kinases Gsk3 and Gsk31 in <i>Schizosaccharomyces Pombe</i> . <i>Kobe Journal of Medical Sciences</i> , 2016, 62, E70-8.	0.2	2
1874	PIK3CA mutations and downstream effector p-mTOR expression: implication for prognostic factors and therapeutic targets in triple negative breast cancer. <i>International Journal of Clinical and Experimental Pathology</i> , 2017, 10, 7682-7691.	0.5	3
1875	Homeostatic scaling is driven by a translation-dependent degradation axis that recruits miRISC remodeling. <i>PLoS Biology</i> , 2021, 19, e3001432.	2.6	8
1878	Activation of PKG-CREB-KLF15 by melatonin attenuates Angiotensin II-induced vulnerability to atrial fibrillation via enhancing branched-chain amino acids catabolism. <i>Free Radical Biology and Medicine</i> , 2022, 178, 202-214.	1.3	14
1879	Amino acid deprivation induces AKT activation by inducing GCN2/ATF4/REDD1 axis. <i>Cell Death and Disease</i> , 2021, 12, 1127.	2.7	21
1880	Nonclassical autophagy activation pathways are essential for production of infectious Influenza A virus in vitro. <i>Molecular Microbiology</i> , 2021, , .	1.2	5
1881	Mimic microgravity effect on muscle transcriptome under ionizing radiation. <i>Life Sciences in Space Research</i> , 2022, 32, 96-104.	1.2	2
1882	Histology, physiology, and glucose and lipid metabolism of <i>Lateolabrax maculatus</i> under low temperature stress. <i>Journal of Thermal Biology</i> , 2022, 104, 103161.	1.1	13
1883	Viral expression of constitutively active AKT3 induces CST axonal sprouting and regeneration, but also promotes seizures. <i>Experimental Neurology</i> , 2022, 349, 113961.	2.0	9
1885	Mechanistic Target of Rapamycin (mTOR) Inhibitors. <i>Handbook of Experimental Pharmacology</i> , 2021, , 53-72.	0.9	6
1886	Neurobiological Opportunities in Diabetic Polyneuropathy. <i>Neurotherapeutics</i> , 2021, 18, 2303-2323.	2.1	5

#	ARTICLE	IF	CITATIONS
1887	Astaxanthin Exerts Anabolic Effects via Pleiotropic Modulation of the Excitable Tissue. <i>International Journal of Molecular Sciences</i> , 2022, 23, 917.	1.8	2
1888	Endurance exercise training under normal diet conditions activates skeletal muscle protein synthesis and inhibits protein degradation signaling except MuRF1. <i>Sport Sciences for Health</i> , 2022, 18, 1033-1041.	0.4	2
1890	A novel role for PRL in regulating epithelial cell density by inducing apoptosis at confluence. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	4
1891	Thermal stress affects proliferation and differentiation of turkey satellite cells through the mTOR/S6K pathway in a growth-dependent manner. <i>PLoS ONE</i> , 2022, 17, e0262576.	1.1	13
1892	Dual Inhibition of mTORC1/2 Reduces Migration of Cholangiocarcinoma Cells by Regulation of Matrixmetalloproteinases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 785979.	1.8	6
1893	Impact of Cancer Cachexia on Cardiac and Skeletal Muscle: Role of Exercise Training. <i>Cancers</i> , 2022, 14, 342.	1.7	13
1894	Hippocampal mTOR Dysregulation and Morphological Changes in Male Rats after Fetal Growth Restriction. <i>Nutrients</i> , 2022, 14, 451.	1.7	2
1896	BDK knockout skeletal muscle satellite cells exhibit enhanced protein translation initiation signal in response to BCAA in vitro. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 610-617.	0.6	1
1898	Intermittent glucocorticoid treatment enhances skeletal muscle performance through sexually dimorphic mechanisms. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	16
1899	Phosphorylation of Eukaryotic Initiation Factor 4G1 (eIF4G1) at Ser1147 Is Specific for eIF4G1 Bound to eIF4E in Delayed Neuronal Death after Ischemia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1830.	1.8	2
1900	Aerobic Exercise Training and In Vivo Akt Activation Counteract Cancer Cachexia by Inducing a Hypertrophic Profile through eIF-2 β Modulation. <i>Cancers</i> , 2022, 14, 28.	1.7	4
1901	The Role of Insulin Signaling in Mammalian Peripheral Taste Tissue: From Taste Modulation to Maintenance of Taste Bud Homeostasis. <i>Kagaku To Seibutsu</i> , 2021, 59, 122-129.	0.0	0
1902	Disentangling the signaling pathways of mTOR complexes, mTORC1 and mTORC2, as a therapeutic target in glioblastoma. <i>Advances in Biological Regulation</i> , 2022, 83, 100854.	1.4	8
1903	Phosphoinositide 3-kinase signalling in the nucleolus. <i>Advances in Biological Regulation</i> , 2022, 83, 100843.	1.4	7
1904	Macropinocytosis and Cancer: From Tumor Stress to Signaling Pathways. <i>Sub-Cellular Biochemistry</i> , 2022, 98, 15-40.	1.0	19
1905	E4orf1 Suppresses E1B-Deleted Adenovirus Vaccine-Induced Immune Responses. <i>Vaccines</i> , 2022, 10, 295.	2.1	2
1906	Functional Genomic Analysis of Amphetamine Sensitivity in <i>Drosophila</i> . <i>Frontiers in Psychiatry</i> , 2022, 13, 831597.	1.3	1
1907	Effect of levetiracetam on the gene expression of placental transporters in a murine model. <i>Epilepsia</i> , 2022, , .	2.6	0

#	ARTICLE	IF	CITATIONS
1908	Nicotinamide breaks effector CD8 T cell responses by targeting mTOR signaling. <i>IScience</i> , 2022, 25, 103932.	1.9	4
1909	Stearic Acid Activates the PI3K-mTOR-4EBP1/S6K and mTOR-SREBP-1 Signaling Axes through FATP4-CDK1 To Promote Milk Synthesis in Primary Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4007-4018.	2.4	11
1910	Mechanisms tailoring the expression of heat shock proteins to proteostasis challenges. <i>Journal of Biological Chemistry</i> , 2022, 298, 101796.	1.6	34
1911	The Role of mTOR and eIF Signaling in Benign Endometrial Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3416.	1.8	7
1912	mRNA Translation Is Dynamically Regulated to Instruct Stem Cell Fate. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 863885.	1.6	10
1913	KAT7-mediated CANX (calnexin) crotonylation regulates leucine-stimulated Mtorc1 activity. <i>Autophagy</i> , 2022, 18, 2799-2816.	4.3	5
1914	The TORC1 phosphoproteome in <i>C. elegans</i> reveals roles in transcription and autophagy. <i>IScience</i> , 2022, 25, 104186.	1.9	2
1915	Bilirubin oxidation end product B prevents CoCl ₂ -induced primary cortical neuron apoptosis by promoting cell survival Akt/mTOR/p70S6K signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2022, 602, 27-34.	1.0	3
1916	Quantitative phosphoproteomic analyses identify STK11IP as a lysosome-specific substrate of mTORC1 that regulates lysosomal acidification. <i>Nature Communications</i> , 2022, 13, 1760.	5.8	6
1917	Glutathione-dependent redox balance characterizes the distinct metabolic properties of follicular and marginal zone B cells. <i>Nature Communications</i> , 2022, 13, 1789.	5.8	18
1918	Comparison of the Effects of Inorganic or Amino Acid-Chelated Zinc on Mouse Myoblast Growth in vitro and Growth Performance and Carcass Traits in Growing-Finishing Pigs. <i>Frontiers in Nutrition</i> , 2022, 9, 857393.	1.6	6
1919	Targeting mTOR in the Context of Diet and Whole-body Metabolism. <i>Endocrinology</i> , 2022, 163, .	1.4	4
1920	Dietary leucine requirement of juvenile largemouth bass (<i>Micropterus salmoides</i>) based on growth, nutrient utilization and growth-related gene analyses. <i>Aquaculture</i> , 2022, 555, 738207.	1.7	8
1921	Effects of probiotic feed additives (biosol and Zemos) on growth and related genes in broiler chickens. <i>Italian Journal of Animal Science</i> , 2022, 21, 62-73.	0.8	8
1922	Effects of Porcine Whole-Blood Protein Hydrolysate on Exercise Function and Skeletal Muscle Differentiation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 17.	1.3	2
1923	GSK3 β Activity in Reward Circuit Functioning and Addiction. <i>NeuroSci</i> , 2021, 2, 443-466.	0.4	1
1924	Activating the Protein Synthesis Signaling by HIIT Concomitant with the Suppression of Protein Degradation in Wistar Rats TM Skeletal Muscle. <i>Gene, Cell and Tissue</i> , 2021, In Press, .	0.2	0
1925	Plant target of rapamycin signaling network: Complexes, conservations, and specificities. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 342-370.	4.1	24

#	ARTICLE	IF	CITATIONS
1926	The mTORC1-EIF4F axis controls paused pluripotency. <i>EMBO Reports</i> , 2022, 23, e53081.	2.0	8
1927	Interactions between NLRP3 inflammasome and glycolysis in macrophages: New insights into chronic inflammation pathogenesis. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	1.3	9
1929	Effects of methionine, leucine, and insulin on circulating concentrations and mammary extraction of energy substrates and amino acids in lactating dairy cows. <i>Domestic Animal Endocrinology</i> , 2022, 81, 106730.	0.8	1
1930	FGF21 alleviates pulmonary hypertension by inhibiting mTORC1/EIF4EBP1 pathway via H19. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3005-3021.	1.6	9
1931	T cell differentiation protein 2 facilitates cell proliferation by enhancing mTOR-mediated ribosome biogenesis in non-small cell lung cancer. <i>Discover Oncology</i> , 2022, 13, 26.	0.8	4
1962	Effects of heroin self-administration and forced withdrawal on the expression of genes related to the mTOR network in the basolateral complex of the amygdala of male Lewis rats. <i>Psychopharmacology</i> , 2022, 239, 2559-2571.	1.5	3
1963	Cell autonomous and non-autonomous consequences of deviations in translation machinery on organism growth and the connecting signalling pathways. <i>Open Biology</i> , 2022, 12, 210308.	1.5	1
1964	Role of PI3K/Akt/mTOR pathway in mediating endocrine resistance: concept to clinic. <i>Exploration of Targeted Anti-tumor Therapy</i> , 0, , 172-199.	0.5	6
1965	Molecular Mechanisms and Current Treatment Options for Cancer Cachexia. <i>Cancers</i> , 2022, 14, 2107.	1.7	12
1966	A non-canonical cGAS-STING-PERK pathway facilitates the translational program critical for senescence and organ fibrosis. <i>Nature Cell Biology</i> , 2022, 24, 766-782.	4.6	84
1967	Increased glycine contributes to synaptic dysfunction and early mortality in Nprl2 seizure model. <i>IScience</i> , 2022, 25, 104334.	1.9	1
1968	Targeting cellular energy metabolism-mediated ferroptosis by small molecule compounds for colorectal cancer therapy. <i>Journal of Drug Targeting</i> , 2022, 30, 819-832.	2.1	3
1969	Aspartate metabolism in endothelial cells activates the mTORC1 pathway to initiate translation during angiogenesis. <i>Developmental Cell</i> , 2022, 57, 1241-1256.e8.	3.1	11
1970	Interplay between SERCA, 4E-BP, and eIF4E in the Drosophila heart. <i>PLoS ONE</i> , 2022, 17, e0267156.	1.1	6
1971	Development of a novel peptide aptamer that interacts with the eIF4E capped-mRNA binding site using peptide epitope linker evolution (PELE). <i>RSC Chemical Biology</i> , 2022, 3, 916-930.	2.0	1
1972	Advances in Immunosuppressive Agents Based on Signal Pathway. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	9
1973	Contemporary mTOR inhibitor scaffolds to diseases breakdown: A patent review (2015-2021). <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114498.	2.6	16
1974	mTORC1-independent translation control in mammalian cells by methionine adenosyltransferase 2A and S-adenosylmethionine. <i>Journal of Biological Chemistry</i> , 2022, 298, 102084.	1.6	3

#	ARTICLE	IF	CITATIONS
1975	Dysregulated Gene Expression in Lymphoblasts from Parkinson's Disease. <i>Proteomes</i> , 2022, 10, 20.	1.7	3
1977	Polydatin attenuates chronic alcohol consumption-induced cardiomyopathy through a SIRT6-dependent mechanism. <i>Food and Function</i> , 2022, 13, 7302-7319.	2.1	8
1978	The Translational Regulation in mTOR Pathway. <i>Biomolecules</i> , 2022, 12, 802.	1.8	34
1979	Combination of mTOR inhibitor PP242 and AMPK activator metformin exerts enhanced inhibitory effects on colorectal carcinoma cells in vitro by blocking multiple kinase pathways. <i>Journal of Chemotherapy</i> , 2023, 35, 259-269.	0.7	1
1980	Retard or exacerbate: Role of long non-coding RNA growth arrest-specific 5 in the fibrosis. <i>Cytokine and Growth Factor Reviews</i> , 2022, 67, 89-104.	3.2	3
1981	m6A in the Signal Transduction Network. <i>Molecules and Cells</i> , 2022, 45, 435-443.	1.0	20
1982	Deciphering the function and evolution of the TOR signaling pathway in microalgae. <i>Journal of Experimental Botany</i> , 0, , .	2.4	4
1983	The role of protein kinases as key drivers of metabolic dysfunction-associated fatty liver disease progression: New insights and future directions. <i>Life Sciences</i> , 2022, 305, 120732.	2.0	12
1984	Dietary Plant Extracts in Improving Skeletal Muscle Development and Metabolic Function. <i>Food Reviews International</i> , 0, , 1-25.	4.3	2
1985	circEXOC6B interacting with RRAGB, an mTORC1 activator, inhibits the progression of colorectal cancer by antagonizing the HIF1A-RRAGB-mTORC1 positive feedback loop. <i>Molecular Cancer</i> , 2022, 21, .	7.9	8
1986	Translating across kingdoms: target of rapamycin promotes protein synthesis through conserved and divergent pathways in plants. <i>Journal of Experimental Botany</i> , 2022, 73, 7016-7025.	2.4	8
1987	Translational Control by 4E-BP1/2 Suppressor Proteins Regulates Mitochondrial Biosynthesis and Function during CD8 ⁺ T Cell Proliferation. <i>Journal of Immunology</i> , 2022, 208, 2702-2712.	0.4	0
1988	Mitochondrial function and nutrient sensing pathways in ageing: enhancing longevity through dietary interventions. <i>Biogerontology</i> , 2022, 23, 657-680.	2.0	6
1989	Longevity-Promoting Pathways and Transcription Factors Respond to and Control Extracellular Matrix Dynamics During Aging and Disease. <i>Frontiers in Aging</i> , 0, 3, .	1.2	11
1990	The Coordination of mTOR Signaling and Non-Coding RNA in Regulating Epileptic Neuroinflammation. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
1991	Lomitapide, a cholesterol-lowering drug, is an anticancer agent that induces autophagic cell death via inhibiting mTOR. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	10
1992	Functional Properties of Protein Hydrolysates on Growth, Digestive Enzyme Activities, Protein Metabolism, and Intestinal Health of Larval Largemouth Bass (<i>Micropterus salmoides</i>). <i>Frontiers in Immunology</i> , 0, 13, .	2.2	13
1993	Pharmacological Approaches to Decelerate Aging: A Promising Path. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-25.	1.9	5

#	ARTICLE	IF	CITATIONS
1994	The immuneoreaction and antioxidant status of Chinese mitten crab (<i>Eriocheir sinensis</i>) involve protein metabolism and the response of mTOR signaling pathway to dietary methionine levels. <i>Fish and Shellfish Immunology</i> , 2022, 127, 703-714.	1.6	7
1995	Thermoneutral Housing and a Western Diet Combination Exacerbates <sc>Dysferlinâ€Deficient</sc> Muscular Dystrophy. <i>Muscle and Nerve</i> , 2022, 66, 513-522.	1.0	1
1996	Multifocal organoids reveal clonal associations between synchronous intestinal tumors with pervasive heterogeneous drug responses. <i>Npj Genomic Medicine</i> , 2022, 7, .	1.7	2
1997	Beyond controlling cell size: functional analyses of S6K in tumorigenesis. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	17
1998	Hypertrophy of paravertebral muscles after epidural electrical stimulation shifted: A case report. <i>Frontiers in Surgery</i> , 0, 9, .	0.6	0
1999	Investigation of the Molecular Mechanisms Leading to Protein Translation Inhibition in Response to Endoplasmic Reticulum Stress. <i>Magiřallatıř Al-Muář-tar Li-l-ËjulÅ«m</i> , 2018, 33, 169-181.	0.1	0
2000	Protective effect of <i>Astragalus membranaceus</i> and Astragaloside IV in sepsis-induced acute kidney injury. <i>Aging</i> , 2022, 14, 5855-5877.	1.4	16
2001	Pharmacologic Inhibition of SHP2 Blocks Both PI3K and MEK Signaling in Low-epiregulin HNSCC via GAB1. <i>Cancer Research Communications</i> , 2022, 2, 1061-1074.	0.7	4
2002	It takes two to tango: Widening our understanding of the onset of schizophrenia from a neuro-angiogenic perspective. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0
2003	Translatome proteomics identifies autophagy as a resistance mechanism to on-target FLT3 inhibitors in acute myeloid leukemia. <i>Leukemia</i> , 2022, 36, 2396-2407.	3.3	11
2004	Metabolic adaption of cancer cells toward autophagy: Is there a role for ER-phagy?. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	3
2006	AKT phosphorylation as a predictive biomarker for PI3K/mTOR dual inhibition-induced proteolytic cleavage of mTOR companion proteins in small cell lung cancer. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	3
2007	Molecular mechanism underlying impaired hepatic autophagy in glycogen storage disease type Ib. <i>Human Molecular Genetics</i> , 2023, 32, 262-275.	1.4	7
2008	The crosstalk between MYC and mTORC1 during osteoclastogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
2009	Effects of chronic hypoxia on growth performance, antioxidant capacity and protein turnover of largemouth bass (<i>Micropterus salmoides</i>). <i>Aquaculture</i> , 2022, 561, 738673.	1.7	6
2011	Utilizing Nonequilibrium Isotope Enrichments to Dramatically Increase Turnover Measurement Ranges in Single Biopsy Samples from Humans. <i>Journal of Proteome Research</i> , 2022, 21, 2703-2714.	1.8	0
2012	Effects of fishmeal replacement by <i>Clostridium autoethanogenum</i> protein on the growth, digestibility, serum free amino acid and gene expression related to protein metabolism of obscure pufferfish (<i>Takifugu obscurus</i>). <i>Animal Feed Science and Technology</i> , 2022, 292, 115445.	1.1	5
2013	A platinum@polymer-catechol nanobroker enables radio-immunotherapy for crippling melanoma tumorigenesis, angiogenesis, and radioresistance. <i>Bioactive Materials</i> , 2023, 22, 34-46.	8.6	7

#	ARTICLE	IF	CITATIONS
2014	S6K1 amplification confers innate resistance to CDK4/6 inhibitors through activating c-Myc pathway in patients with estrogen receptor-positive breast cancer. <i>Molecular Cancer</i> , 2022, 21, .	7.9	13
2015	The <sc>RNA</sc> polymerase <sc>II</sc> subunit Rpb9 activates <sc><i>ATG1</i></sc> transcription and autophagy. <i>EMBO Reports</i> , 2022, 23, .	2.0	4
2018	N-cadherin protects oral cancer cells from NK cell killing in the circulation by inducing NK cell functional exhaustion via the KLRG1 receptor. , 2022, 10, e005061.		3
2020	Polyphenols as possible alternative agents in chronic fatigue: a review. <i>Phytochemistry Reviews</i> , 2023, 22, 1637-1661.	3.1	3
2021	Replacement of Dietary Fishmeal Protein with Degossypolized Cottonseed Protein on Growth Performance, Nonspecific Immune Response, Antioxidant Capacity, and Target of Rapamycin Pathway of Juvenile Large Yellow Croaker (<i>Larimichthys crocea</i>). <i>Aquaculture Nutrition</i> , 2022, 2022, 1-12.	1.1	1
2022	Understanding the Polyamine and mTOR Pathway Interaction in Breast Cancer Cell Growth. <i>Medical Sciences (Basel, Switzerland)</i> , 2022, 10, 51.	1.3	7
2023	Construction of TSC2 knockout cell line using CRISPR/Cas9 system and demonstration of its effects on NIH-3T3 cells. <i>Cell Biochemistry and Biophysics</i> , 0, , .	0.9	0
2024	Translation “ Synthese von Proteinen. , 2022, , 783-800.		0
2025	Antitumor Effect of Low-Dose of Rapamycin in a Transgenic Mouse Model of Liver Cancer. <i>Yonsei Medical Journal</i> , 2022, 63, 1007.	0.9	1
2026	Effects of glucose availability on Î±S1-casein synthesis in bovine mammary epithelial cells. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	4
2027	Effects of hydrogen peroxide and l-tryptophan on antioxidative potential, apoptosis, and mammalian target of rapamycin signaling in bovine intestinal epithelial cells. <i>Journal of Dairy Science</i> , 2022, , .	1.4	2
2028	mTOR as a Potential Target for the Treatment of Microbial Infections, Inflammatory Bowel Diseases, and Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12470.	1.8	6
2029	Repurposing SGLT2 Inhibitors for Neurological Disorders: A Focus on the Autism Spectrum Disorder. <i>Molecules</i> , 2022, 27, 7174.	1.7	6
2030	Effects and mechanisms of animal-free hydrolysates on recombination protein yields in CHO cells. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 7387-7396.	1.7	1
2031	Proteome and phosphoproteome profiling of non-small cell lung cancer cell line A549 treated with TRAIL. <i>Proteomics</i> , 0, , 2200248.	1.3	1
2032	Mycn regulates intestinal development through ribosomal biogenesis in a zebrafish model of Feingold syndrome 1. <i>PLoS Biology</i> , 2022, 20, e3001856.	2.6	4
2034	Targeting mTOR as a Cancer Therapy: Recent Advances in Natural Bioactive Compounds and Immunotherapy. <i>Cancers</i> , 2022, 14, 5520.	1.7	10
2036	Translational Regulation by eIFs and RNA Modifications in Cancer. <i>Genes</i> , 2022, 13, 2050.	1.0	4

#	ARTICLE	IF	CITATIONS
2037	Membrane potential drives the exit from pluripotency and cell fate commitment via calcium and mTOR. <i>Nature Communications</i> , 2022, 13, .	5.8	9
2038	Antiviral response within different cell types of the CNS. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
2039	HIV-1 replication and latency are balanced by mTOR-driven cell metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	7
2040	Effects of dietary creatine levels on the growth, muscle energy metabolism and meat quality of spotted seabass (<i>Lateolabrax maculatus</i>) fed low-fishmeal diets. <i>Aquaculture</i> , 2023, 565, 739075.	1.7	3
2041	Activation of <i>elF4E</i> binding protein 1 rescues mTORC1-induced sarcopenia by expanding lysosomal degradation capacity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2023, 14, 198-213.	2.9	5
2042	An mTORC1 to HRI signaling axis promotes cytotoxicity of proteasome inhibitors in multiple myeloma. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	4
2043	Emerging role of aging in the progression of NAFLD to HCC. <i>Ageing Research Reviews</i> , 2023, 84, 101833.	5.0	21
2044	Engineering receptors in the secretory pathway for orthogonal signalling control. <i>Nature Communications</i> , 2022, 13, .	5.8	4
2045	Evidences for Mutant Huntingtin Inducing Musculoskeletal and Brain Growth Impairments via Disturbing Testosterone Biosynthesis in Male Huntington Disease Animals. <i>Cells</i> , 2022, 11, 3779.	1.8	4
2046	Madm/NRBP1 mediates synaptic maintenance and neurodegeneration-induced presynaptic homeostatic potentiation. <i>Cell Reports</i> , 2022, 41, 111710.	2.9	0
2047	Evaluation of Krill Meal in Commercial Diets for Juvenile Swimming Crab (<i>Portunus trituberculatus</i>). <i>Aquaculture Nutrition</i> , 2022, 2022, 1-13.	1.1	4
2048	The skeletal muscle fiber periphery: A nexus of mTOR-related anabolism. <i>Sports Medicine and Health Science</i> , 2023, 5, 10-19.	0.7	4
2049	Nuclear S6K1 Enhances Oncogenic Wnt Signaling by Inducing Wnt/ β -Catenin Transcriptional Complex Formation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16143.	1.8	2
2050	4EBP1 senses extracellular glucose deprivation and initiates cell death signaling in lung cancer. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	4
2053	MYBL2 regulates de novo purine synthesis by transcriptionally activating IMPDH1 in hepatocellular carcinoma cells. <i>BMC Cancer</i> , 2022, 22, .	1.1	2
2054	Ring domains are essential for GATOR2-dependent mTORC1 activation. <i>Molecular Cell</i> , 2023, 83, 74-89.e9.	4.5	5
2055	Zinc-finger Protein CXXC5 Promotes Breast Carcinogenesis by Regulating the TSC1/mTOR Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2022, , 102812.	1.6	0
2056	Role of Tau in Various Tauopathies, Treatment Approaches, and Emerging Role of Nanotechnology in Neurodegenerative Disorders. <i>Molecular Neurobiology</i> , 2023, 60, 1690-1720.	1.9	11

#	ARTICLE	IF	CITATIONS
2058	Dissection of the autophagic route in oocytes from atretic follicles. <i>Biology of the Cell</i> , 0, , .	0.7	1
2059	Protein translation paradox: Implications in translational regulation of aging. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	5
2060	Male sex hormones, aging, and inflammation. <i>Biogerontology</i> , 2023, 24, 1-25.	2.0	12
2061	Two environmental signal-driven RNA metabolic processes: Alternative splicing and translation. <i>Plant, Cell and Environment</i> , 2023, 46, 718-732.	2.8	3
2062	Interferon regulates neural stem cell function at all ages by orchestrating $mTOR$ and cell cycle. <i>EMBO Molecular Medicine</i> , 0, , .	3.3	8
2063	Metabolic signatures of lymphangioliomyomatosis in biofluids: nuclear magnetic resonance (NMR)-based metabolomics of blood plasma: a case-control study. <i>Annals of Translational Medicine</i> , 2023, .	0.7	0
2064	Dietary acidic calcium sulfate enhances growth, digestive enzyme activities, intestinal histology and resistance against <i>Aeromonas hydrophila</i> in juvenile largemouth bass, <i>Micropterus salmoides</i> . <i>Aquaculture Reports</i> , 2023, 29, 101467.	0.7	2
2065	Defining the role of $mTOR$ pathway in the regulation of stem cells of glioblastoma. <i>Advances in Biological Regulation</i> , 2023, 88, 100946.	1.4	3
2066	Development of an in-vitro high-throughput screening system to identify modulators of genitalia development. , 2023, 2, .		1
2067	Phosphoproteomic Analysis of the Jejunum Tissue Response to Colostrum and Milk Feeding in Dairy Calves during the Passive Immunity Period. <i>Animals</i> , 2023, 13, 145.	1.0	1
2068	PGC-1 β Regulates Cell Proliferation, Migration, and Invasion by Modulating Leucyl-tRNA Synthetase 1 Expression in Human Colorectal Cancer Cells. <i>Cancers</i> , 2023, 15, 159.	1.7	2
2069	p53 regulates lysosomal membrane permeabilization as well as cytoprotective autophagy in response to DNA-damaging drugs. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	5
2070	Mealworm Ethanol Extract Enhances Myogenic Differentiation and Alleviates Dexamethasone-Induced Muscle Atrophy in C2C12 Cells. <i>Life</i> , 2023, 13, 58.	1.1	2
2071	P38 Mediates Tumor Suppression through Reduced Autophagy and Actin Cytoskeleton Changes in NRAS-Mutant Melanoma. <i>Cancers</i> , 2023, 15, 877.	1.7	3
2072	Claspin is Required for Growth Recovery from Serum Starvation through Regulating the PI3K-PDK1-mTOR Pathway in Mammalian Cells. <i>Molecular and Cellular Biology</i> , 2023, 43, 1-21.	1.1	0
2073	$TORC1$ phosphorylates and inhibits the ribosome-preservation factor Stm1 to activate dormant ribosomes. <i>EMBO Journal</i> , 2023, 42, .	3.5	12
2074	Insulin Receptor Substrate 1 Signaling Inhibits Foxp3 Expression and Suppressive Functions in Treg Cells through the $mTORC1$ Pathway. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2551.	1.8	1
2075	MYEOV overexpression induced by demethylation of its promoter contributes to pancreatic cancer progression via activation of the folate cycle/c-Myc/ $mTORC1$ pathway. <i>BMC Cancer</i> , 2023, 23, .	1.1	1

#	ARTICLE	IF	CITATIONS
2076	Natural compounds from botanical drugs targeting mTOR signaling pathway as promising therapeutics for atherosclerosis: A review. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	3
2077	Modeling Autism Spectrum Disorders with Induced Pluripotent Stem Cell-Derived Brain Organoids. <i>Biomolecules</i> , 2023, 13, 260.	1.8	4
2078	Cancer stem cell in prostate cancer progression, metastasis and therapy resistance. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2023, 1878, 188887.	3.3	7
2079	Zika virus replication on endothelial cells and invasion into the central nervous system by inhibiting interferon \hat{I}^2 translation. <i>Virology</i> , 2023, 582, 23-34.	1.1	4
2080	Effects of Aspergillus-meal prebiotic diet on the growth performance, health status and gut microbiota of Asian seabass, <i>Lates calcarifer</i> . <i>Fish and Shellfish Immunology</i> , 2023, 136, 108696.	1.6	3
2081	Sleep and memory: The impact of sleep deprivation on transcription, translational control, and protein synthesis in the brain. <i>Journal of Neurochemistry</i> , 2023, 166, 24-46.	2.1	8
2082	RNA helicase DHX15 exemplifies a unique dependency in acute leukemia. <i>Haematologica</i> , 2023, 108, 2029-2043.	1.7	4
2083	Lysosomal control of senescence and inflammation through cholesterol partitioning. <i>Nature Metabolism</i> , 2023, 5, 398-413.	5.1	14
2084	Post-translational proteomics platform identifies neurite outgrowth impairments in Parkinsonâ€™s disease GBA-N370S dopamine neurons. <i>Cell Reports</i> , 2023, 42, 112180.	2.9	7
2085	Effects of Fish Meal Replacement with Composite Mixture of Soybean Protein Hydrolysates and Other Plant Proteins on Growth Performance, Antioxidant Capacity, and Target of Rapamycin Pathway in Largemouth Bass. <i>North American Journal of Aquaculture</i> , 2023, 85, 178-187.	0.7	2
2086	Effective extraction of polyribosomes exposes gene expression strategies in primary astrocytes. <i>Nucleic Acids Research</i> , 0, , .	6.5	0
2087	Regulation of Paracellular Fluxes of Amino Acids by Claudin-8 in Normal Mouse Intestinal MCE301 Cells. <i>Nutrients</i> , 2023, 15, 1346.	1.7	2
2088	Partially hydrolyzed guar gum upregulates heat shock protein 27 in intestinal <i>Caco-2</i> cells and mouse intestine <i>via</i> <i>mTOR</i> and <i>ERK</i> signaling. <i>Journal of the Science of Food and Agriculture</i> , 0, , .	1.7	0
2089	Novel strategy for oncogenic alteration-induced lipid metabolism reprogramming in pancreatic cancer. <i>Acta Biochimica Et Biophysica Sinica</i> , 2023, , .	0.9	1
2090	Understanding the Effects of Trenbolone Acetate, Polyamine Precursors, and Polyamines on Proliferation, Protein Synthesis Rates, and the Abundance of Genes Involved in Myoblast Growth, Polyamine Biosynthesis, and Protein Synthesis in Murine Myoblasts. <i>Biology</i> , 2023, 12, 446.	1.3	1
2091	Brain insulin resistance linked Alzheimerâ€™s and Parkinsonâ€™s disease pathology: An undying implication of epigenetic and autophagy modulation. <i>Inflammopharmacology</i> , 2023, 31, 699-716.	1.9	7
2092	Activating mutations in EGFR and PI3K promote ATF4 induction for NSCLC cell survival during amino acid deprivation. <i>Heliyon</i> , 2023, 9, e14799.	1.4	2
2093	mTORC1-Dependent Protein and Parkinsonâ€™s Disease: A Mendelian Randomization Study. <i>Brain Sciences</i> , 2023, 13, 536.	1.1	2

#	ARTICLE	IF	CITATIONS
2094	SARS-CoV-2 viral protein Nsp2 stimulates translation under normal and hypoxic conditions. <i>Virology Journal</i> , 2023, 20, .	1.4	2
2095	The incidence of cytomegalovirus and BK polyomavirus infections in kidney transplant patients receiving mTOR inhibitors: A systematic review and meta-analysis. <i>Pharmacotherapy</i> , 2023, 43, 552-562.	1.2	2
2096	Whole-Body and Forearm Muscle Protein Metabolism in Patients With Acromegaly Before and After Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 0, , .	1.8	1
2097	The mTOR inhibitor rapamycin suppresses trigeminal neuropathic pain and p-MKK4/p-p38 mitogen-activated protein kinase-mediated microglial activation in the trigeminal nucleus caudalis of mice with infraorbital nerve injury. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	1
2098	Combination Treatment Targeting mTOR and MAPK Pathways Has Synergistic Activity in Multiple Myeloma. <i>Cancers</i> , 2023, 15, 2373.	1.7	1
2101	The Roles of Autophagy in the Genesis and Development of Polycystic Ovary Syndrome. <i>Reproductive Sciences</i> , 2023, 30, 2920-2931.	1.1	1
2141	From signalling pathways to targeted therapies: unravelling glioblastoma's secrets and harnessing two decades of progress. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	3
2148	Post-transcriptional regulation of myeloid cell-mediated inflammatory responses. <i>Advances in Immunology</i> , 2023, , .	1.1	0
2157	Physiologische und molekulare Anpassungen an Krafttraining. , 2023, , 59-84.		0
2165	The molecular basis of translation initiation and its regulation in eukaryotes. <i>Nature Reviews Molecular Cell Biology</i> , 2024, 25, 168-186.	16.1	5
2177	African Swine Fever Virus Host-Pathogen Interactions. <i>Sub-Cellular Biochemistry</i> , 2023, , 283-331.	1.0	0
2180	Metabolic alterations in hereditary and sporadic renal cell carcinoma. <i>Nature Reviews Nephrology</i> , 2024, 20, 233-250.	4.1	0