

TOR Signaling in Growth and Metabolism

Cell

124, 471-484

DOI: [10.1016/j.cell.2006.01.016](https://doi.org/10.1016/j.cell.2006.01.016)

Citation Report

#	ARTICLE	IF	CITATIONS
1	TAE226, a dual inhibitor for FAK and IGF-IR, has inhibitory effects on mTOR signaling in esophageal cancer cells. <i>Oncology Reports</i> , 1994, 20, 1473.	1.2	8
2	Aging and Immortality: Quasi-Programmed Senescence and Its Pharmacologic Inhibition. <i>Cell Cycle</i> , 2006, 5, 2087-2102.	1.3	319
3	SIGNAL TRANSDUCTION: Protein Synthesis and Oncogenesis Meet Again. <i>Science</i> , 2006, 314, 428-429.	6.0	36
4	Identification of Sin1 as an essential TORC2 component required for complex formation and kinase activity. <i>Genes and Development</i> , 2006, 20, 2820-2832.	2.7	434
5	The Mammalian Target of Rapamycin (mTOR) Pathway Regulates Mitochondrial Oxygen Consumption and Oxidative Capacity. <i>Journal of Biological Chemistry</i> , 2006, 281, 27643-27652.	1.6	524
6	Regulation of ribosome biogenesis: Where is TOR?. <i>Cell Metabolism</i> , 2006, 4, 259-260.	7.2	50
7	Therapeutic approaches in autosomal dominant polycystic kidney disease (ADPKD): is there light at the end of the tunnel?. <i>Nephrology Dialysis Transplantation</i> , 2006, 21, 1752-1757.	0.4	58
9	TSC2 Integrates Wnt and Energy Signals via a Coordinated Phosphorylation by AMPK and GSK3 to Regulate Cell Growth. <i>Cell</i> , 2006, 126, 955-968.	13.5	1,183
10	Deubiquitinating Enzyme Ubp6 Functions Noncatalytically to Delay Proteasomal Degradation. <i>Cell</i> , 2006, 127, 99-111.	13.5	316
11	SIN1/MIP1 Maintains rictor-mTOR Complex Integrity and Regulates Akt Phosphorylation and Substrate Specificity. <i>Cell</i> , 2006, 127, 125-137.	13.5	1,231
12	Activated FOXO-mediated insulin resistance is blocked by reduction of TOR activity. <i>Cell Metabolism</i> , 2006, 4, 133-142.	7.2	161
13	Treating obesity: Does antagonism of NPY fit the bill?. <i>Cell Metabolism</i> , 2006, 4, 260-262.	7.2	7
14	FKBP133: A novel mouse FK506-binding protein homolog alters growth cone morphology. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 140-149.	1.0	31
15	Successful Transporter Gets an EGO Boost. <i>Developmental Cell</i> , 2006, 11, 6-7.	3.1	1
16	Multiallelic Disruption of the rictor Gene in Mice Reveals that mTOR Complex 2 Is Essential for Fetal Growth and Viability. <i>Developmental Cell</i> , 2006, 11, 583-589.	3.1	357
17	mTORC2 Caught in a SINful Akt. <i>Developmental Cell</i> , 2006, 11, 433-434.	3.1	48
18	Found in Translation: A New Player in EMT. <i>Developmental Cell</i> , 2006, 11, 434-436.	3.1	4
20	Signalling through Class I PI3Ks in mammalian cells. <i>Biochemical Society Transactions</i> , 2006, 34, 647-662.	1.6	502

#	ARTICLE	IF	CITATIONS
21	Training for Endurance and Strength. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1939-1944.	0.2	137
22	Fission yeast Tor2 links nitrogen signals to cell proliferation and acts downstream of the Rheb GTPase. <i>Genes To Cells</i> , 2006, 11, 1367-1379.	0.5	106
23	mTOR tells the brain that the body is hungry. <i>Nature Medicine</i> , 2006, 12, 615-617.	15.2	30
24	Weaned from the needle. <i>Nature Medicine</i> , 2006, 12, 617-618.	15.2	2
25	How flies get their size: genetics meets physiology. <i>Nature Reviews Genetics</i> , 2006, 7, 907-916.	7.7	366
26	Predicted mechanisms of resistance to mTOR inhibitors. <i>British Journal of Cancer</i> , 2006, 95, 955-960.	2.9	82
27	Ras, PI(3)K and mTOR signalling controls tumour cell growth. <i>Nature</i> , 2006, 441, 424-430.	13.7	1,839
28	The roles of intracellular protein-degradation pathways in neurodegeneration. <i>Nature</i> , 2006, 443, 780-786.	13.7	1,477
29	Cell growth control: little eukaryotes make big contributions. <i>Oncogene</i> , 2006, 25, 6392-6415.	2.6	223
30	When translation meets transformation: the mTOR story. <i>Oncogene</i> , 2006, 25, 6423-6435.	2.6	176
31	Stress and mTOR signaling. <i>Oncogene</i> , 2006, 25, 6373-6383.	2.6	318
32	Autophagy as an immune defense mechanism. <i>Current Opinion in Immunology</i> , 2006, 18, 375-382.	2.4	186
33	Therapeutic potential of natural product signal transduction agents. <i>Current Opinion in Biotechnology</i> , 2006, 17, 631-637.	3.3	14
34	Mitochondrial Retrograde Signaling. <i>Annual Review of Genetics</i> , 2006, 40, 159-185.	3.2	604
35	Stem Cell Signalling Networks in Plants. <i>Plant Molecular Biology</i> , 2006, 60, 793-810.	2.0	43
36	Therapeutic Targeting of Signal Transduction Pathways and Proteins in Breast Cancer. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2006, 11, 1-2.	1.0	4
37	The mTOR Pathway in Breast Cancer. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2006, 11, 53-61.	1.0	42
38	Tumor metabolism: new opportunities for cancer therapy. <i>Clinical and Translational Oncology</i> , 2006, 8, 711-716.	1.2	35

#	ARTICLE	IF	CITATIONS
40	Inhibition of the phosphatidylinositol 3-kinase/mammalian target of rapamycin pathway in hematologic malignancies. <i>Current Treatment Options in Oncology</i> , 2006, 7, 285-294.	1.3	70
41	Kinase inhibitors: Vice becomes virtue. <i>Cancer Cell</i> , 2006, 9, 327-328.	7.7	19
42	At the gates of death. <i>Cancer Cell</i> , 2006, 9, 328-330.	7.7	128
43	Thinking globally and acting locally with TOR. <i>Current Opinion in Cell Biology</i> , 2006, 18, 589-597.	2.6	122
44	Glucose metabolism and cancer. <i>Current Opinion in Cell Biology</i> , 2006, 18, 598-608.	2.6	495
45	Signaling pathways regulating protein synthesis during ageing. <i>Experimental Gerontology</i> , 2006, 41, 1020-1025.	1.2	22
46	Yeast as a model for chronological and reproductive aging – A comparison. <i>Experimental Gerontology</i> , 2006, 41, 1208-1212.	1.2	47
47	The Oscar-worthy role of Myc in apoptosis. <i>Seminars in Cancer Biology</i> , 2006, 16, 275-287.	4.3	116
48	Functional distinctions of protein kinase B/Akt isoforms defined by their influence on cell migration. <i>Trends in Cell Biology</i> , 2006, 16, 461-466.	3.6	162
49	A greenprint for growth: signalling the pattern of proliferation. <i>Current Opinion in Plant Biology</i> , 2006, 9, 490-495.	3.5	9
50	Of bears, frogs, meat, mice and men: complexity of factors affecting skeletal muscle mass and fat. <i>BioEssays</i> , 2006, 28, 994-1009.	1.2	82
51	Cell senescence: Hypertrophic arrest beyond the restriction point. <i>Journal of Cellular Physiology</i> , 2006, 209, 592-597.	2.0	93
52	Role of Leucine in Regulating Food Intake. <i>Science</i> , 2006, 313, 1236b-1238b.	6.0	14
53	Sarcopenia: Age-Related Skeletal Muscle Changes from Determinants to Physical Disability. <i>International Journal of Immunopathology and Pharmacology</i> , 2006, 19, 703-719.	1.0	46
54	The Competence Factor $\hat{1}^2$ Ftz-F1 Potentiates Ecdysone Receptor Activity via Recruiting a p160/SRC Coactivator. <i>Molecular and Cellular Biology</i> , 2006, 26, 9402-9412.	1.1	100
55	mRNA Translation: Unexplored Territory in Renal Science. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 3281-3292.	3.0	56
56	Estrogen-Induced Activation of Mammalian Target of Rapamycin Is Mediated via Tuberin and the Small GTPase Ras Homologue Enriched in Brain. <i>Cancer Research</i> , 2006, 66, 9461-9466.	0.4	56
57	Regulation of Microtubule-Dependent Protein Transport by the TSC2/Mammalian Target of Rapamycin Pathway. <i>Cancer Research</i> , 2006, 66, 5258-5269.	0.4	43

#	ARTICLE	IF	CITATIONS
58	Pmr1, a Golgi Ca ²⁺ /Mn ²⁺ -ATPase, is a regulator of the target of rapamycin (TOR) signaling pathway in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17840-17845.	3.3	35
59	Mutual Antagonism of Target of Rapamycin and Calcineurin Signaling. <i>Journal of Biological Chemistry</i> , 2006, 281, 33000-33007.	1.6	64
60	Mitochondrial signaling, TOR, and life span. <i>Biological Chemistry</i> , 2006, 387, 1357-61.	1.2	95
61	Depletion of type IA regulatory subunit (RI α) of protein kinase A (PKA) in mammalian cells and tissues activates mTOR and causes autophagic deficiency. <i>Human Molecular Genetics</i> , 2006, 15, 2962-2971.	1.4	92
62	Elucidation of the function of type 1 human methionine aminopeptidase during cell cycle progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18148-18153.	3.3	75
63	Caffeine Targets TOR Complex I and Provides Evidence for a Regulatory Link between the FRB and Kinase Domains of Tor1p. <i>Journal of Biological Chemistry</i> , 2006, 281, 31616-31626.	1.6	164
64	RTP801 Is Elevated in Parkinson Brain Substantia Nigral Neurons and Mediates Death in Cellular Models of Parkinson's Disease by a Mechanism Involving Mammalian Target of Rapamycin Inactivation. <i>Journal of Neuroscience</i> , 2006, 26, 9996-10005.	1.7	159
65	Regulation of cardiac growth and coronary angiogenesis by the Akt/PKB signaling pathway. <i>Genes and Development</i> , 2006, 20, 3347-3365.	2.7	309
66	Aggregate-Prone Proteins Are Cleared from the Cytosol by Autophagy: Therapeutic Implications. <i>Current Topics in Developmental Biology</i> , 2006, 76, 89-101.	1.0	262
67	Malignant melanoma: genetics and therapeutics in the genomic era. <i>Genes and Development</i> , 2006, 20, 2149-2182.	2.7	436
68	Fission yeast Tor2 promotes cell growth and represses cell differentiation. <i>Journal of Cell Science</i> , 2006, 119, 4475-4485.	1.2	135
69	Association of Focal Adhesion Kinase with Tuberous Sclerosis Complex 2 in the Regulation of S6 Kinase Activation and Cell Growth. <i>Journal of Biological Chemistry</i> , 2006, 281, 37321-37329.	1.6	73
70	Tuberous Sclerosis Complex Proteins 1 and 2 Control Serum-Dependent Translation in a TOP-Dependent and -Independent Manner. <i>Molecular and Cellular Biology</i> , 2007, 27, 5746-5764.	1.1	58
71	TOR Signaling Is a Determinant of Cell Survival in Response to DNA Damage. <i>Molecular and Cellular Biology</i> , 2007, 27, 7007-7017.	1.1	83
72	Bnip3 Mediates the Hypoxia-induced Inhibition on Mammalian Target of Rapamycin by Interacting with Rheb. <i>Journal of Biological Chemistry</i> , 2007, 282, 35803-35813.	1.6	224
73	The Cationic Amino Acid Transporters CAT1 and CAT3 Mediate NMDA Receptor Activation-Dependent Changes in Elaboration of Neuronal Processes via the Mammalian Target of Rapamycin mTOR Pathway. <i>Journal of Neuroscience</i> , 2007, 27, 449-458.	1.7	52
74	Basal Activation of p70S6K Results in Adipose-specific Insulin Resistance in Protein-tyrosine Phosphatase 1B ^{-/-} Mice. <i>Journal of Biological Chemistry</i> , 2007, 282, 30423-30433.	1.6	14
75	The Proline-rich Akt Substrate of 40 kDa (PRAS40) Is a Physiological Substrate of Mammalian Target of Rapamycin Complex 1*. <i>Journal of Biological Chemistry</i> , 2007, 282, 20329-20339.	1.6	275

#	ARTICLE	IF	CITATIONS
76	<i>TSC2</i> Loss in Lymphangioleiomyomatosis Cells Correlated with Expression of CD44v6, a Molecular Determinant of Metastasis. <i>Cancer Research</i> , 2007, 67, 10573-10581.	0.4	58
77	PRAS40 Is a Target for Mammalian Target of Rapamycin Complex 1 and Is Required for Signaling Downstream of This Complex*. <i>Journal of Biological Chemistry</i> , 2007, 282, 24514-24524.	1.6	212
78	Exploiting protein destruction for constructive use. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11511-11512.	3.3	11
79	PRAS40 Regulates mTORC1 Kinase Activity by Functioning as a Direct Inhibitor of Substrate Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 20036-20044.	1.6	404
80	Distinct Roles of Autophagy in the Heart During Ischemia and Reperfusion. <i>Circulation Research</i> , 2007, 100, 914-922.	2.0	1,379
81	cAMP and protein kinase A in endocrine (and other) tumors. <i>Expert Review of Endocrinology and Metabolism</i> , 2007, 2, 667-676.	1.2	1
82	Pharmacologic Induction of Heme Oxygenase-1. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 2227-2240.	2.5	82
83	mTOR Inhibition in Lymphoma: A Rational and Promising Strategy. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 224-231.	0.4	3
84	Methods for Studying Signal-Dependent Regulation of Translation Factor Activity. <i>Methods in Enzymology</i> , 2007, 431, 113-142.	0.4	33
85	Regulation of muscle protein synthesis during sepsis and inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E453-E459.	1.8	202
86	Hypoxia-Induced Endothelial Proliferation Requires Both mTORC1 and mTORC2. <i>Circulation Research</i> , 2007, 100, 79-87.	2.0	119
87	Phase I Study of Everolimus in Pediatric Patients With Refractory Solid Tumors. <i>Journal of Clinical Oncology</i> , 2007, 25, 4806-4812.	0.8	149
88	MSN2 and MSN4 Link Calorie Restriction and TOR to Sirtuin-Mediated Lifespan Extension in <i>Saccharomyces cerevisiae</i> . <i>PLoS Biology</i> , 2007, 5, e261.	2.6	273
89	Selective Control of Skeletal Muscle Differentiation by Akt1*. <i>Journal of Biological Chemistry</i> , 2007, 282, 5106-5110.	1.6	102
90	The rapid activation of protein synthesis by growth hormone requires signaling through mTOR. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1647-E1655.	1.8	93
91	Suppression of the <i>Schizosaccharomyces pombe</i> Δ 12.1 Cell-Cycle Defect by Mutations in <i>cdc25</i> and Genes Involved in Transcriptional and Translational Control. <i>Genetics</i> , 2007, 176, 73-83.	1.2	19
92	Rheb Activates mTOR by Antagonizing Its Endogenous Inhibitor, FKBP38. <i>Science</i> , 2007, 318, 977-980.	6.0	350
93	Interplay of PI3K and cAMP/PKA signaling, and rapamycin-hypersensitivity in TGF β 1 enhancement of FSH-stimulated steroidogenesis in rat ovarian granulosa cells. <i>Journal of Endocrinology</i> , 2007, 192, 405-419.	1.2	80

#	ARTICLE	IF	CITATIONS
94	Zebrafish Offers New Perspective on Developmental Role of TOR Signaling. <i>Organogenesis</i> , 2007, 3, 67-69.	0.4	7
95	S6 kinase inactivation impairs growth and translational target phosphorylation in muscle cells maintaining proper regulation of protein turnover. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C712-C722.	2.1	86
96	Autophagy Genes Protect Against Disease Caused by Polyglutamine Expansion Proteins in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , 2007, 3, 21-25.	4.3	136
97	Contribution of Atg1-Dependent Autophagy to TOR-Mediated Cell Growth and Survival. <i>Autophagy</i> , 2007, 3, 477-479.	4.3	22
98	The Heterotrimeric G Protein G α 3 Regulates Hepatic Autophagy Downstream of the Insulin Receptor. <i>Autophagy</i> , 2007, 3, 393-395.	4.3	16
99	Coordinated Regulation of Growth Genes in <i>Saccharomyces cerevisiae</i> . <i>Cell Cycle</i> , 2007, 6, 1210-1219.	1.3	18
100	Research by Retrieving Experiments. <i>Cell Cycle</i> , 2007, 6, 1277-1283.	1.3	10
101	Insulin Potentiates Ca ²⁺ Signaling and Phosphatidylinositol 4,5-Bisphosphate Hydrolysis Induced by Gq Protein-Coupled Receptor Agonists through an mTOR-Dependent Pathway. <i>Endocrinology</i> , 2007, 148, 3246-3257.	1.4	51
102	Crosstalk Between Bak/Bax and mTOR Signaling Regulates Radiation-Induced Autophagy. <i>Autophagy</i> , 2007, 3, 142-144.	4.3	77
103	The Novel mTOR Inhibitor RAD001 (Everolimus) Induces Antiproliferative Effects in Human Pancreatic Neuroendocrine Tumor Cells. <i>Neuroendocrinology</i> , 2007, 85, 54-60.	1.2	149
104	mTOR, Unleashed. <i>Science</i> , 2007, 318, 926-927.	6.0	40
105	Small molecule regulators of autophagy identified by an image-based high-throughput screen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19023-19028.	3.3	439
106	Multiplexing siRNAs to compress RNAi-based screen size in human cells. <i>Nucleic Acids Research</i> , 2007, 35, e57-e57.	6.5	19
107	Phosphoinositide 3-kinases as a common platform for multi-hormone signaling. <i>Journal of Endocrinology</i> , 2007, 194, 243-256.	1.2	121
108	Metastatic Potential of 21T Human Breast Cancer Cells Depends on Akt/Protein Kinase B Activation. <i>Cancer Research</i> , 2007, 67, 5293-5299.	0.4	78
109	SHP-2 Regulates Cell Growth by Controlling the mTOR/S6 Kinase 1 Pathway. <i>Journal of Biological Chemistry</i> , 2007, 282, 6946-6953.	1.6	19
110	Suppression of Viral Replication by Stress-Inducible GADD34 Protein via the Mammalian Serine/Threonine Protein Kinase mTOR Pathway. <i>Journal of Virology</i> , 2007, 81, 11106-11115.	1.5	32
111	Loss of the TOR Kinase Tor2 Mimics Nitrogen Starvation and Activates the Sexual Development Pathway in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2007, 27, 3154-3164.	1.1	181

#	ARTICLE	IF	CITATIONS
112	Point mutations in TOR confer Rheb-independent growth in fission yeast and nutrient-independent mammalian TOR signaling in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3514-3519.	3.3	133
113	Therapeutic Effect of Rapamycin on Gallbladder Cancer in a Transgenic Mouse Model. Cancer Research, 2007, 67, 3794-3800.	0.4	51
114	Interferon- β Induces Human Vascular Smooth Muscle Cell Proliferation and Intimal Expansion by Phosphatidylinositol 3-Kinase-Dependent Mammalian Target of Rapamycin Raptor Complex 1 Activation. Circulation Research, 2007, 101, 560-569.	2.0	95
115	Re-evaluating AKT regulation: role of TOR complex 2 in tissue growth. Genes and Development, 2007, 21, 632-637.	2.7	121
116	Bmp2 Is Critical for the Murine Uterine Decidual Response. Molecular and Cellular Biology, 2007, 27, 5468-5478.	1.1	296
117	Probing the Membrane Environment of the TOR Kinases Reveals Functional Interactions between TORC1, Actin, and Membrane Trafficking in <i>Saccharomyces cerevisiae</i> . Molecular Biology of the Cell, 2007, 18, 2779-2794.	0.9	91
118	The Mammalian Target of Rapamycin Pathway Regulates Nutrient-Sensitive Glucose Uptake in Man. Diabetes, 2007, 56, 1600-1607.	0.3	210
119	Opposite Effects of Tor1 and Tor2 on Nitrogen Starvation Responses in Fission Yeast. Genetics, 2007, 175, 1153-1162.	1.2	102
120	Nucleus-Vacuole Junctions and Piecemeal Microautophagy of the Nucleus in <i>S. cerevisiae</i> . Autophagy, 2007, 3, 85-92.	4.3	104
121	Calreticulin and Hsp90 stabilize the human insulin receptor and promote its mobility in the endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10470-10475.	3.3	38
122	Golgi Manganese Transport Is Required for Rapamycin Signaling in <i>Saccharomyces cerevisiae</i> . Genetics, 2007, 177, 231-238.	1.2	23
123	Role of the Transcription Factor ATF4 in the Anabolic Actions of Insulin and the Anti-anabolic Actions of Glucocorticoids. Journal of Biological Chemistry, 2007, 282, 16744-16753.	1.6	149
124	Metformin Inhibits Mammalian Target of Rapamycin-Dependent Translation Initiation in Breast Cancer Cells. Cancer Research, 2007, 67, 10804-10812.	0.4	845
125	<i>Drosophila</i> TIF-IA is required for ribosome synthesis and cell growth and is regulated by the TOR pathway. Journal of Cell Biology, 2007, 179, 1105-1113.	2.3	82
126	p27 Kip1 localization depends on the tumor suppressor protein tuberlin. Human Molecular Genetics, 2007, 16, 1541-1556.	1.4	45
127	Glycogen Synthase Kinase 3β and 3α Mediate a Glucose-Sensitive Antiapoptotic Signaling Pathway To Stabilize Mcl-1. Molecular and Cellular Biology, 2007, 27, 4328-4339.	1.1	177
128	AKT and CDK5/p35 Mediate Brain-derived Neurotrophic Factor Induction of DARPP-32 in Medium Size Spiny Neurons in Vitro. Journal of Biological Chemistry, 2007, 282, 7352-7359.	1.6	51
129	Transcriptome of Angiopoietin 1-Activated Human Umbilical Vein Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2007, 14, 285-302.	1.7	14

#	ARTICLE	IF	CITATIONS
130	An obligatory requirement for the heterotrimeric G protein Gi3 in the antiautophagic action of insulin in the liver. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3003-3008.	3.3	104
131	P-Rex1 Links Mammalian Target of Rapamycin Signaling to Rac Activation and Cell Migration. Journal of Biological Chemistry, 2007, 282, 23708-23715.	1.6	148
132	Targeting receptor tyrosine kinases and their signal transduction routes in head and neck cancer. Annals of Oncology, 2007, 18, 421-430.	0.6	40
133	Serotonin Induces Memory-Like, Rapamycin-Sensitive Hyperexcitability in Sensory Axons of Aplysia That Contributes to Injury Responses. Journal of Neurophysiology, 2007, 98, 1231-1239.	0.9	25
134	Hyperglycemia impairs glucose and insulin regulation of nitric oxide production in glucose-inhibited neurons in the ventromedial hypothalamus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R592-R600.	0.9	46
135	A sharper instrument for dissecting signalling events: a specific AGC kinase inhibitor. Biochemical Journal, 2007, 401, e1-3.	1.7	5
136	Controlling cell growth and survival through regulated nutrient transporter expression. Biochemical Journal, 2007, 406, 1-12.	1.7	66
137	Identification of Protor as a novel Rictor-binding component of mTOR complex-2. Biochemical Journal, 2007, 405, 513-522.	1.7	400
138	Notch signals positively regulate activity of the mTOR pathway in T-cell acute lymphoblastic leukemia. Blood, 2007, 110, 278-286.	0.6	263
139	Rapamycin derivatives reduce mTORC2 signaling and inhibit AKT activation in AML. Blood, 2007, 109, 3509-3512.	0.6	318
140	mTOR-dependent synthesis of Bcl-3 controls the retraction of fibrin clots by activated human platelets. Blood, 2007, 109, 1975-1983.	0.6	123
141	Signaling by AMP-activated Protein Kinase. , 0, , 303-338.		6
142	Rapamycin Impairs In Vivo Proliferation of Islet Beta-Cells. Transplantation, 2007, 84, 1576-1583.	0.5	97
143	Sirolimus Toxicity and Vascular Endothelial Growth Factor Release From Islet and Renal Cell Lines. Transplantation, 2007, 83, 1635-1638.	0.5	30
145	Signalling to translation: how signal transduction pathways control the protein synthetic machinery. Biochemical Journal, 2007, 403, 217-234.	1.7	443
146	Target of rapamycin (TOR) signaling controls epithelial morphogenesis in the vertebrate intestine. Developmental Biology, 2007, 303, 501-513.	0.9	70
147	Chemoattractant action and molecular signaling pathways of Kit ligand on mouse primordial germ cells. Developmental Biology, 2007, 306, 572-583.	0.9	101
148	Amino acids and mTOR signalling in anabolic function. Biochemical Society Transactions, 2007, 35, 1187-1190.	1.6	118

#	ARTICLE	IF	CITATIONS
149	Rapamycin stimulates arginine influx through CAT2 transporters in human endothelial cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1479-1487.	1.4	21
150	Insulin and amino acid availability regulate atrogen-1 in avian QT6 cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 181-186.	1.0	50
151	Discrete functions of rictor and raptor in cell growth regulation in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 1154-1159.	1.0	29
152	Small-Molecule Inhibition of the Interaction between the Translation Initiation Factors eIF4E and eIF4G. <i>Cell</i> , 2007, 128, 257-267.	13.5	497
153	SnapShot: mTOR Signaling. <i>Cell</i> , 2007, 129, 434.e1-434.e2.	13.5	45
154	AKT/PKB Signaling: Navigating Downstream. <i>Cell</i> , 2007, 129, 1261-1274.	13.5	5,261
155	Tel2 Regulates the Stability of PI3K-Related Protein Kinases. <i>Cell</i> , 2007, 131, 1248-1259.	13.5	214
156	TOR Signaling and S6 Kinase 1: Yeast Catches Up. <i>Cell Metabolism</i> , 2007, 6, 1-2.	7.2	42
157	Lessons (not) learned from mistakes about translation. <i>Gene</i> , 2007, 403, 194-203.	1.0	20
158	Autophagy: Highlighting a novel player in the autoimmunity scenario. <i>Journal of Autoimmunity</i> , 2007, 29, 61-68.	3.0	91
159	Reving the Engine: Signal Transduction Fuels T Cell Activation. <i>Immunity</i> , 2007, 27, 173-178.	6.6	307
160	T Helper 2 Cytokines Inhibit Autophagic Control of Intracellular Mycobacterium tuberculosis. <i>Immunity</i> , 2007, 27, 505-517.	6.6	413
161	PRAS40 Is an Insulin-Regulated Inhibitor of the mTORC1 Protein Kinase. <i>Molecular Cell</i> , 2007, 25, 903-915.	4.5	1,088
162	Regulation of Glucose Partitioning by PAS Kinase and Ugp1 Phosphorylation. <i>Molecular Cell</i> , 2007, 26, 491-499.	4.5	48
163	Sch9 Is a Major Target of TORC1 in <i>Saccharomyces cerevisiae</i> . <i>Molecular Cell</i> , 2007, 26, 663-674.	4.5	723
164	Structure of TOR and Its Complex with KOG1. <i>Molecular Cell</i> , 2007, 27, 509-516.	4.5	69
165	S6K1-Mediated Disassembly of Mitochondrial URI/PP1 ³ Complexes Activates a Negative Feedback Program that Counters S6K1 Survival Signaling. <i>Molecular Cell</i> , 2007, 28, 28-40.	4.5	101
166	mTOR Complex1â€™S6K1 signaling: at the crossroads of obesity, diabetes and cancer. <i>Trends in Molecular Medicine</i> , 2007, 13, 252-259.	3.5	431

#	ARTICLE	IF	CITATIONS
167	Targeting the mTOR signaling network in cancer. <i>Trends in Molecular Medicine</i> , 2007, 13, 433-442.	3.5	306
168	Urmylation controls Nil1p and Gln3p-dependent expression of nitrogen-catabolite repressed genes in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2007, 581, 541-550.	1.3	25
169	Role of Dietary Proteins and Amino Acids in the Pathogenesis of Insulin Resistance. <i>Annual Review of Nutrition</i> , 2007, 27, 293-310.	4.3	257
170	Decorin-Mediated Regulation of Fibrillin-1 in the Kidney Involves the Insulin-Like Growth Factor-I Receptor and Mammalian Target of Rapamycin. <i>American Journal of Pathology</i> , 2007, 170, 301-315.	1.9	81
171	Regulation of Elongation Phase of mRNA Translation in Diabetic Nephropathy. <i>American Journal of Pathology</i> , 2007, 171, 1733-1742.	1.9	114
172	siRNA screen of the human signaling proteome identifies the PtdIns(3,4,5)P3-mTOR signaling pathway as a primary regulator of transferrin uptake. <i>Genome Biology</i> , 2007, 8, R142.	13.9	54
173	Measuring Phosphorylated Akt and Other Phosphoinositide 3-kinase-Regulated Phosphoproteins in Primary Lymphocytes. <i>Methods in Enzymology</i> , 2007, 434, 131-154.	0.4	18
174	Mechanisms Regulating Feed Intake, Energy Expenditure, and Body Weight in Poultry. <i>Poultry Science</i> , 2007, 86, 1478-1490.	1.5	191
175	Metabolic Modulation Induced by Chronic Hypoxia in Rats Using a Comparative Proteomic Analysis of Skeletal Muscle Tissue. <i>Journal of Proteome Research</i> , 2007, 6, 1974-1984.	1.8	60
176	Mechanisms of Disease: signaling of the insulin-like growth factor 1 receptor pathway—therapeutic perspectives in cancer. <i>Nature Clinical Practice Oncology</i> , 2007, 4, 591-602.	4.3	217
177	Amino Acid-Sensing Mechanisms: <i>Biochemistry and Behavior</i> , 2007, , 249-269.		3
178	Cell size and invasion in TGF- β -induced epithelial to mesenchymal transition is regulated by activation of the mTOR pathway. <i>Journal of Cell Biology</i> , 2007, 178, 437-451.	2.3	505
179	Central Roles of Small GTPases in the Development of Cell Polarity in Yeast and Beyond. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 48-96.	2.9	376
180	Mechanisms of Food Intake Repression in Indispensable Amino Acid Deficiency. <i>Annual Review of Nutrition</i> , 2007, 27, 63-78.	4.3	117
181	Elucidating the Secretion Proteome of Human Embryonic Stem Cell-derived Mesenchymal Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1680-1689.	2.5	240
182	Thematic review series: Adipocyte Biology. Adipocyte stress: the endoplasmic reticulum and metabolic disease. <i>Journal of Lipid Research</i> , 2007, 48, 1905-1914.	2.0	481
183	Cytotoxic effect of 5-aminoimidazole-4-carboxamide-1- β -D-ribofuranoside (AICAR) on childhood acute lymphoblastic leukemia (ALL) cells: implication for targeted therapy. <i>Molecular Cancer</i> , 2007, 6, 46.	7.9	102
184	Rapamycin-induced inhibition of HTLV-I LTR activity is rescued by c-Myb. <i>Retrovirology</i> , 2007, 4, 24.	0.9	2

#	ARTICLE	IF	CITATIONS
185	Immunosuppressive Therapy and Malignancy in Organ Transplant Recipients. <i>Drugs</i> , 2007, 67, 1167-1198.	4.9	333
186	New Strategies for the Treatment of Metastatic Bone Disease. <i>Clinical Breast Cancer</i> , 2007, 8, S35-S45.	1.1	11
187	The Role of CNS Fuel Sensing in Energy and Glucose Regulation. <i>Gastroenterology</i> , 2007, 132, 2158-2168.	0.6	110
188	Mechanisms of TSC-mediated Control of Synapse Assembly and Axon Guidance. <i>PLoS ONE</i> , 2007, 2, e375.	1.1	50
189	PRAS40 and PRR5-Like Protein Are New mTOR Interactors that Regulate Apoptosis. <i>PLoS ONE</i> , 2007, 2, e1217.	1.1	248
191	Size assessment and growth control: how adult size is determined in insects. <i>BioEssays</i> , 2007, 29, 344-355.	1.2	354
192	Total Synthesis of Rapamycin. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 591-597.	7.2	52
194	Signaling pathways mediating cardiac myocyte gene expression in physiological and stress responses. <i>Journal of Cellular Physiology</i> , 2007, 212, 311-322.	2.0	144
195	Mitogenic signaling pathways induced by G protein-coupled receptors. <i>Journal of Cellular Physiology</i> , 2007, 213, 589-602.	2.0	420
196	Distinct signaling mechanisms activate the target of rapamycin in response to different cell stimuli. <i>European Journal of Immunology</i> , 2007, 37, 2923-2936.	1.6	74
197	Adenosine monophosphate-activated protein kinase modulates the activated phenotype of hepatic stellate cells. <i>Hepatology</i> , 2008, 47, 668-676.	3.6	118
198	Pediatric oncology. <i>Current Opinion in Chemical Biology</i> , 2007, 11, 424-432.	2.8	13
199	Identification of a Small-Molecule Inhibitor of Class Ia PI3Ks with Cell-Based Screening. <i>Chemistry and Biology</i> , 2007, 14, 371-377.	6.2	37
200	A Phenotypic Small-Molecule Screen Identifies an Orphan Ligand-Receptor Pair that Regulates Neural Stem Cell Differentiation. <i>Chemistry and Biology</i> , 2007, 14, 1019-1030.	6.2	67
201	Rheb-TOR signaling promotes protein synthesis, but not glucose or amino acid import, in <i>Drosophila</i> . <i>BMC Biology</i> , 2007, 5, 10.	1.7	41
202	Akt regulates nuclear/cytoplasmic localization of tuberlin. <i>Oncogene</i> , 2007, 26, 521-531.	2.6	55
203	A novel mechanism for Bcr-Abl action: Bcr-Abl-mediated induction of the eIF4F translation initiation complex and mRNA translation. <i>Oncogene</i> , 2007, 26, 1188-1200.	2.6	46
204	Regulation of survivin expression by IGF-1/mTOR signaling. <i>Oncogene</i> , 2007, 26, 2678-2684.	2.6	162

#	ARTICLE	IF	CITATIONS
205	The ERK1/2 mitogen-activated protein kinase pathway as a master regulator of the G1- to S-phase transition. <i>Oncogene</i> , 2007, 26, 3227-3239.	2.6	951
206	Rapamycin sensitivity of the <i>Schizosaccharomyces pombe tor2</i> mutant and organization of two highly phosphorylated TOR complexes by specific and common subunits. <i>Genes To Cells</i> , 2007, 12, 1357-1370.	0.5	169
207	Mammalian target of rapamycin in the human placenta regulates leucine transport and is down-regulated in restricted fetal growth. <i>Journal of Physiology</i> , 2007, 582, 449-459.	1.3	239
208	Ensemble modeling for analysis of cell signaling dynamics. <i>Nature Biotechnology</i> , 2007, 25, 1001-1006.	9.4	214
209	Holding back TOR advances mitosis. <i>Nature Cell Biology</i> , 2007, 9, 1221-1222.	4.6	9
210	Stimulating the cell's appetite for itself. <i>Nature Chemical Biology</i> , 2007, 3, 304-306.	3.9	0
211	Smells like bread. <i>Nature Chemical Biology</i> , 2007, 3, 306-307.	3.9	0
212	Unveiling the roles of autophagy in innate and adaptive immunity. <i>Nature Reviews Immunology</i> , 2007, 7, 767-777.	10.6	804
213	A plant triterpenoid, avicin D, induces autophagy by activation of AMP-activated protein kinase. <i>Cell Death and Differentiation</i> , 2007, 14, 1948-1957.	5.0	95
214	Rapamycin: Something Old, Something New, Sometimes Borrowed and Now Renewed. <i>Clinical Pharmacology and Therapeutics</i> , 2007, 82, 381-388.	2.3	211
215	The <i>Arabidopsis</i> TOR kinase links plant growth, yield, stress resistance and mRNA translation. <i>EMBO Reports</i> , 2007, 8, 864-870.	2.0	453
216	Expanding mTOR signaling. <i>Cell Research</i> , 2007, 17, 666-681.	5.7	485
217	Immunosuppressive Activity of 4-O-Methylascochlorin. <i>Journal of Antibiotics</i> , 2007, 60, 20-26.	1.0	9
218	The common biology of cancer and ageing. <i>Nature</i> , 2007, 448, 767-774.	13.7	903
219	mTOR controls mitochondrial oxidative function through a YY1-PCG-1 transcriptional complex. <i>Nature</i> , 2007, 450, 736-740.	13.7	1,239
220	Regulation of cell mass and function by the Akt/protein kinase B signalling pathway. <i>Diabetes, Obesity and Metabolism</i> , 2007, 9, 147-157.	2.2	76
221	Tel2: a common partner of PIK-related kinases and a link between DNA checkpoint and nutritional response?. <i>Genes To Cells</i> , 2007, 12, 1301-1304.	0.5	18
222	Predictive markers in breast cancer – the future. <i>Histopathology</i> , 2008, 52, 91-98.	1.6	26

#	ARTICLE	IF	CITATIONS
223	Lifespan extension by conditions that inhibit translation in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2007, 6, 95-110.	3.0	784
224	Protein translation, 2007. <i>Aging Cell</i> , 2007, 6, 731-734.	3.0	44
225	Cold response in <i>Saccharomyces cerevisiae</i> : new functions for old mechanisms. <i>FEMS Microbiology Reviews</i> , 2007, 31, 327-341.	3.9	175
226	The complement of protein kinases of the microsporidium <i>Encephalitozoon cuniculi</i> in relation to those of <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . <i>BMC Genomics</i> , 2007, 8, 309.	1.2	68
227	ERK implication in cell cycle regulation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1299-1310.	1.9	633
228	The localization of nuclear exporters of the importin- β family is regulated by Snf1 kinase, nutrient supply and stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1052-1061.	1.9	21
229	The LKB1 tumor suppressor kinase in human disease. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 63-75.	3.3	72
230	Defining the Role of mTOR in Cancer. <i>Cancer Cell</i> , 2007, 12, 9-22.	7.7	2,610
231	hVps34, an ancient player, enters a growing game: mTOR Complex1/S6K1 signaling. <i>Current Opinion in Cell Biology</i> , 2007, 19, 135-141.	2.6	97
232	Direct Induction of Autophagy by Atg1 Inhibits Cell Growth and Induces Apoptotic Cell Death. <i>Current Biology</i> , 2007, 17, 1-11.	1.8	1,011
233	An anti-aging drug today: from senescence-promoting genes to anti-aging pill. <i>Drug Discovery Today</i> , 2007, 12, 218-224.	3.2	147
234	Structural and regulatory functions of keratins. <i>Experimental Cell Research</i> , 2007, 313, 2021-2032.	1.2	256
235	Functional analysis of the PP2A subfamily of protein phosphatases in regulating <i>Drosophila</i> S6 kinase. <i>Experimental Cell Research</i> , 2007, 313, 3117-3126.	1.2	31
236	Sirolimus-Associated Infertility: Case Report and Literature Review of Possible Mechanisms. <i>American Journal of Transplantation</i> , 2007, 7, 2414-2421.	2.6	68
237	Protein Synthesis Is a Novel Determinant of Aging in <i>Caenorhabditis elegans</i> . <i>Annals of the New York Academy of Sciences</i> , 2007, 1119, 289-295.	1.8	51
238	The Two TORCs and Akt. <i>Developmental Cell</i> , 2007, 12, 487-502.	3.1	744
239	Calorie restriction and the nutrient sensing signaling pathways. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 752-767.	2.4	69
240	Ruminations on dietary restriction and aging. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 1323-1328.	2.4	158

#	ARTICLE	IF	CITATIONS
241	Specific mTOR inhibitor rapamycin enhances cytotoxicity induced by alkylating agent 1-(4-amino-2-methyl-5-pyrimidinyl)methyl-3-(2-chloroethyl)-3-nitrosourea (ACNU) in human U251 malignant glioma cells. <i>Journal of Neuro-Oncology</i> , 2007, 84, 233-244.	1.4	18
242	Role of mTOR in solid tumor systems: a therapeutic target against primary tumor growth, metastases, and angiogenesis. <i>Cancer and Metastasis Reviews</i> , 2007, 26, 611-621.	2.7	111
243	Nuclear/cytoplasmic localization of Akt activity in the cell cycle. <i>Amino Acids</i> , 2007, 32, 341-345.	1.2	18
244	Cytoplasmic/nuclear localization of tuberin in different cell lines. <i>Amino Acids</i> , 2007, 33, 575-579.	1.2	20
245	The role of mTOR inhibitors for treatment of sarcomas. <i>Current Oncology Reports</i> , 2007, 9, 316-322.	1.8	29
246	Wnt Signaling, Stem Cells, and the Cellular Origin of Breast Cancer. <i>Stem Cell Reviews and Reports</i> , 2007, 3, 157-168.	5.6	91
247	mTOR signaling in human cancer. <i>Clinical and Translational Oncology</i> , 2007, 9, 484-493.	1.2	54
248	Targeted therapies in head and neck cancer. <i>Targeted Oncology</i> , 2007, 2, 73-88.	1.7	15
249	Size control goes global. <i>Current Opinion in Biotechnology</i> , 2007, 18, 341-350.	3.3	67
250	Targeting AMPK: A new therapeutic opportunity in breast cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2008, 67, 1-7.	2.0	147
251	Novel mechanisms of protein synthesis in diabetic nephropathy—role of mRNA translation. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2008, 9, 255-266.	2.6	18
252	Pediatric developmental therapies: Interesting new drugs now in early-stage clinical trials. <i>Current Oncology Reports</i> , 2008, 10, 477-490.	1.8	18
253	Rapamycin and mTOR kinase inhibitors. <i>Journal of Chemical Biology</i> , 2008, 1, 27-36.	2.2	354
254	Growth control via TOR kinase signaling, an intracellular sensor of amino acid and energy availability, with crosstalk potential to proline metabolism. <i>Amino Acids</i> , 2008, 35, 761-770.	1.2	100
255	Extracellular ATP is a pro-angiogenic factor for pulmonary artery vasa vasorum endothelial cells. <i>Angiogenesis</i> , 2008, 11, 169-182.	3.7	62
256	Mechanical stimuli of skeletal muscle: implications on mTOR/p70s6k and protein synthesis. <i>European Journal of Applied Physiology</i> , 2008, 102, 253-263.	1.2	91
257	Hereditary breast cancer: new genetic developments, new therapeutic avenues. <i>Human Genetics</i> , 2008, 124, 31-42.	1.8	276
258	Systematic genetic array analysis links the <i>Saccharomyces cerevisiae</i> SAGA/SLIK and NuA4 component Tra1 to multiple cellular processes. <i>BMC Genetics</i> , 2008, 9, 46.	2.7	26

#	ARTICLE	IF	CITATIONS
259	Tumour-promoting activity of altered WWP1 expression in breast cancer and its utility as a prognostic indicator. <i>Journal of Pathology</i> , 2008, 216, 93-102.	2.1	35
260	mTOR signaling contributes to chondrocyte differentiation. <i>Developmental Dynamics</i> , 2008, 237, 702-712.	0.8	78
261	What controls TOR?. <i>IUBMB Life</i> , 2008, 60, 483-496.	1.5	36
262	Rapamycin inhibits osteoblast proliferation and differentiation in MC3T3-E1 cells and primary mouse bone marrow stromal cells. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 434-446.	1.2	167
263	Dysregulation of apoptotic signaling in cancer: Molecular mechanisms and therapeutic opportunities. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1124-1149.	1.2	186
264	Differential regulation of mTOR-dependent S6 phosphorylation by muscarinic acetylcholine receptor subtypes. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1818-1831.	1.2	17
265	Negative effects of the amino acids Lys, His, and Thr on S6K1 phosphorylation in mammary epithelial cells. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 1038-1047.	1.2	44
266	Chromosome instability and tumor lethality suppression in carcinogenesis. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 1327-1341.	1.2	3
267	Activation or inactivation of cardiac Akt/mTOR signaling diverges physiological from pathological hypertrophy. <i>Journal of Cellular Physiology</i> , 2008, 214, 316-321.	2.0	204
268	Mammalian target of rapamycin (mTOR) orchestrates the defense program of innate immune cells. <i>European Journal of Immunology</i> , 2008, 38, 2981-2992.	1.6	196
270	Mechanisms through which sulfur amino acids control protein metabolism and oxidative status. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 207-215.	1.9	221
271	Targeting phosphoinositide 3-kinase—Moving towards therapy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 159-185.	1.1	491
272	Phospho-proteomic approach to identify new targets of leucine deprivation in muscle cells. <i>Analytical Biochemistry</i> , 2008, 381, 148-150.	1.1	11
273	Cell death and autophagy: Cytokines, drugs, and nutritional factors. <i>Toxicology</i> , 2008, 254, 147-157.	2.0	118
274	Total synthesis studies on macrocyclic pipercolic acid natural products: FK506, the antascomicins and rapamycin. , 2008, 66, 13-186.		6
275	TIS21/BTG2 Negatively Regulates Estradiol-Stimulated Expansion of Hematopoietic Stem Cells by Derepressing Akt Phosphorylation and Inhibiting mTOR Signal Transduction. <i>Stem Cells</i> , 2008, 26, 2339-2348.	1.4	25
276	Mitochondrial signaling: Retrograde regulation in yeast <i>Saccharomyces cerevisiae</i> . <i>Russian Journal of Genetics</i> , 2008, 44, 1251-1257.	0.2	1
277	Posttranscriptional regulation of <i>FLO11</i> upon amino acid starvation in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2008, 8, 225-236.	1.1	12

#	ARTICLE	IF	CITATIONS
278	Analysis of the regulatory motifs in eukaryotic initiation factor 4E-binding protein 1. FEBS Journal, 2008, 275, 2185-2199.	2.2	28
279	Essential function of TORC2 in PKC and Akt turn motif phosphorylation, maturation and signalling. EMBO Journal, 2008, 27, 1919-1931.	3.5	567
280	The mammalian target of rapamycin complex 2 controls folding and stability of Akt and protein kinase C. EMBO Journal, 2008, 27, 1932-1943.	3.5	482
281	cdc2 cyclin B regulates eEF2 kinase activity in a cell cycle- and amino acid-dependent manner. EMBO Journal, 2008, 27, 1005-1016.	3.5	89
282	TNF- α Impairs the S-G2/M Cell Cycle Checkpoint and Cyclobutane Pyrimidine Dimer Repair in Premalignant Skin Cells: Role of the PI3K-Akt Pathway. Journal of Investigative Dermatology, 2008, 128, 2069-2077.	0.3	25
283	Combined Inhibition of MAPK and mTOR Signaling Inhibits Growth, Induces Cell Death, and Abrogates Invasive Growth of Melanoma Cells. Journal of Investigative Dermatology, 2008, 128, 2013-2023.	0.3	129
284	PI-103, a dual inhibitor of Class IA phosphatidylinositide 3-kinase and mTOR, has antileukemic activity in AML. Leukemia, 2008, 22, 1698-1706.	3.3	170
285	The dual PI3 kinase/mTOR inhibitor PI-103 prevents p53 induction by Mdm2 inhibition but enhances p53-mediated mitochondrial apoptosis in p53 wild-type AML. Leukemia, 2008, 22, 1728-1736.	3.3	106
286	Linking nutrients to growth. Nature, 2008, 454, 287-288.	13.7	13
287	On the cell cycle and its switches. Nature, 2008, 454, 288-289.	13.7	41
288	Structural characterization of the interaction of mTOR with phosphatidic acid and a novel class of inhibitor: compelling evidence for a central role of the FRB domain in small molecule-mediated regulation of mTOR. Oncogene, 2008, 27, 585-595.	2.6	138
289	Regulation of cyclin D1 expression by mTORC1 signaling requires eukaryotic initiation factor 4E-binding protein 1. Oncogene, 2008, 27, 1106-1113.	2.6	171
290	Rapamycin inhibits F-actin reorganization and phosphorylation of focal adhesion proteins. Oncogene, 2008, 27, 4998-5010.	2.6	154
291	Common corruption of the mTOR signaling network in human tumors. Oncogene, 2008, 27, S43-S51.	2.6	275
292	Regulation of TORC1 by Rag GTPases in nutrient response. Nature Cell Biology, 2008, 10, 935-945.	4.6	1,143
293	Tuning gene expression to changing environments: from rapid responses to evolutionary adaptation. Nature Reviews Genetics, 2008, 9, 583-593.	7.7	857
294	The role of oxygen availability in embryonic development and stem cell function. Nature Reviews Molecular Cell Biology, 2008, 9, 285-296.	16.1	806
295	UNDERSTANDING NITROGEN LIMITATION IN <i>ALUREOCOCCUS ANOPHAGEFFERENS</i> (PELAGOPHYCEAE) THROUGH cDNA AND qRT-PCR ANALYSIS. Journal of Phycology, 2008, 44, 1235-1249.	1.0	56

#	ARTICLE	IF	CITATIONS
296	Acute Alcohol Intoxication Increases REDD1 in Skeletal Muscle. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 796-805.	1.4	37
297	Leucine induces phosphorylation and activation of p70S6K in cortical neurons via the system L amino acid transporter. <i>Journal of Neurochemistry</i> , 2008, 106, 934-942.	2.1	33
298	Protein translation, 2008. <i>Aging Cell</i> , 2008, 7, 777-782.	3.0	31
299	mTOR Inhibitors of Excitment over Rapamycin's Antiepileptogenic Potential. <i>Epilepsy Currents</i> , 2008, 8, 163-165.	0.4	0
300	When it Comes to GABAergic Responses and Neonatal Seizuresâ€”Sex Matters!. <i>Epilepsy Currents</i> , 2008, 8, 166-167.	0.4	1
301	The Spine Loss Paradox: Clues to Mechanisms and Meaning. <i>Epilepsy Currents</i> , 2008, 8, 168-169.	0.4	3
302	Selective Changes in Hippocampal GABA _A Receptors during Status Epilepticus. <i>Epilepsy Currents</i> , 2008, 8, 170-172.	0.4	1
303	Effect of mTOR inhibitor on body weight: from an experimental rat model to human transplant patients. <i>Transplant International</i> , 2008, 21, 992-998.	0.8	49
304	The role of mTOR in the adaptation and failure of Î² cells in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 157-169.	2.2	60
305	Signal relay during chemotaxis. <i>Journal of Microscopy</i> , 2008, 231, 529-534.	0.8	37
306	Caffeine extends yeast lifespan by targeting TORC1. <i>Molecular Microbiology</i> , 2008, 69, 277-285.	1.2	186
307	Autophagic machinery activated by dengue virus enhances virus replication. <i>Virology</i> , 2008, 374, 240-248.	1.1	312
308	Tissue-specific regulation of S6K1 by insulin in chickens divergently selected for growth. <i>General and Comparative Endocrinology</i> , 2008, 156, 190-198.	0.8	18
309	In vitro metformin anti-neoplastic activity in epithelial ovarian cancer. <i>Gynecologic Oncology</i> , 2008, 110, 246-250.	0.6	249
310	Biochemical characterisation of TCTP questions its function as a guanine nucleotide exchange factor for Rheb. <i>FEBS Letters</i> , 2008, 582, 3005-3010.	1.3	76
311	Blueberry-induced changes in spatial working memory correlate with changes in hippocampal CREB phosphorylation and brain-derived neurotrophic factor (BDNF) levels. <i>Free Radical Biology and Medicine</i> , 2008, 45, 295-305.	1.3	379
312	ERK and p38 pathways regulate amino acid signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 2241-2254.	1.9	44
313	Intracellular degradation of misfolded proteins in polyglutamine neurodegenerative diseases. <i>Brain Research Reviews</i> , 2008, 59, 245-252.	9.1	48

#	ARTICLE	IF	CITATIONS
314	Reprogramming mRNA translation during stress. <i>Current Opinion in Cell Biology</i> , 2008, 20, 222-226.	2.6	208
315	FIP200, a key signaling node to coordinately regulate various cellular processes. <i>Cellular Signalling</i> , 2008, 20, 787-794.	1.7	64
316	Raptor-rictor axis in TGF β 2-induced protein synthesis. <i>Cellular Signalling</i> , 2008, 20, 409-423.	1.7	60
317	Roles of autophagy and mTOR signaling in neuronal differentiation of mouse neuroblastoma cells. <i>Cellular Signalling</i> , 2008, 20, 659-665.	1.7	118
318	Oncogenic MAPK Signaling Stimulates mTORC1 Activity by Promoting RSK-Mediated Raptor Phosphorylation. <i>Current Biology</i> , 2008, 18, 1269-1277.	1.8	291
319	The Target of Rapamycin Pathway Antagonizes pha-4/FoxA to Control Development and Aging. <i>Current Biology</i> , 2008, 18, 1355-1364.	1.8	159
320	Warts Is Required for PI3K-Regulated Growth Arrest, Autophagy, and Autophagic Cell Death in <i>Drosophila</i> . <i>Current Biology</i> , 2008, 18, 1466-1475.	1.8	55
321	mTOR ϵ dependent signalling in Alzheimer's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2525-2532.	1.6	172
322	Sirolimus May Reduce Fertility in Male Renal Transplant Recipients. <i>American Journal of Transplantation</i> , 2008, 8, 1471-1479.	2.6	144
323	mTOR, Cancer and Transplantation. <i>American Journal of Transplantation</i> , 2008, 8, 2212-2218.	2.6	110
324	Nutrient content of diet affects the signaling activity of the insulin/target of rapamycin/p70 S6 kinase pathway in the African malaria mosquito <i>Anopheles gambiae</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 1226-1235.	0.9	45
325	Lipopolysaccharide induces VCAM-1 expression and neutrophil adhesion to human tracheal smooth muscle cells: Involvement of Src/EGFR/PI3-K/Akt pathway. <i>Toxicology and Applied Pharmacology</i> , 2008, 228, 256-268.	1.3	63
326	Ageing and the regulation of protein synthesis: a balancing act?. <i>Trends in Cell Biology</i> , 2008, 18, 228-235.	3.6	120
327	mTOR signaling: RAG GTPases transmit the amino acid signal. <i>Trends in Biochemical Sciences</i> , 2008, 33, 565-568.	3.7	56
328	Autophagosome and Phagosome. <i>Methods in Molecular Biology</i> , 2008, , .	0.4	15
329	TOR Signalling. , 2008, , 1212-1217.		0
330	The Role of Hypothalamic Mammalian Target of Rapamycin Complex 1 Signaling in Diet-Induced Obesity. <i>Journal of Neuroscience</i> , 2008, 28, 7202-7208.	1.7	175
331	The Role of Targeting Mammalian Target of Rapamycin in Lung Cancer. <i>Clinical Lung Cancer</i> , 2008, 9, 340-345.	1.1	42

#	ARTICLE	IF	CITATIONS
332	Biological Approaches to Therapy of Pancreatic Cancer. <i>Pancreatology</i> , 2008, 8, 431-461.	0.5	24
333	Regulation of Proliferation of Skeletal Muscle Precursor Cells By NADPH Oxidase. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 559-574.	2.5	64
334	How <i>Saccharomyces</i> Responds to Nutrients. <i>Annual Review of Genetics</i> , 2008, 42, 27-81.	3.2	469
335	A Role for Autophagy in the Extension of Lifespan by Dietary Restriction in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2008, 4, e24.	1.5	639
336	TOR Signaling in Fission Yeast. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2008, 43, 277-283.	2.3	59
338	Neurofibromatosis type 1 & Related Disorders. , 2008, , 51-151.		12
339	Sirolimus for Angiomyolipoma in Tuberous Sclerosis Complex or Lymphangiomyomatosis. <i>New England Journal of Medicine</i> , 2008, 358, 140-151.	13.9	1,138
341	TOR Signaling in Plants. , 2007, , 243-259.		0
342	Natural products: chemical instruments to apprehend biological symphony. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 424-432.	1.5	30
343	Regulation of Food Intake Through Hypothalamic Signaling Networks Involving mTOR. <i>Annual Review of Nutrition</i> , 2008, 28, 295-311.	4.3	120
344	Drugs That Inhibit Signalling Pathways for Tumor Cell Growth and Proliferation. , 2008, , 251-305.		9
345	Photic regulation of the mTOR signaling pathway in the suprachiasmatic circadian clock. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 312-324.	1.0	82
346	AMPK Phosphorylation of Raptor Mediates a Metabolic Checkpoint. <i>Molecular Cell</i> , 2008, 30, 214-226.	4.5	3,147
347	AMPK and Raptor: Matching Cell Growth to Energy Supply. <i>Molecular Cell</i> , 2008, 30, 263-265.	4.5	115
348	The tuberous sclerosis gene products hamartin and tuberin are multifunctional proteins with a wide spectrum of interacting partners. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 658, 234-246.	2.4	125
349	The mTOR pathway and its role in human genetic diseases. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 284-292.	2.4	156
350	Frequency modulation of synchronized Ca ²⁺ spikes in cultured hippocampal networks through mTOR. <i>Neuroscience Letters</i> , 2008, 441, 50-55.	1.0	6
351	The TSC-mTOR Signaling Pathway Regulates the Innate Inflammatory Response. <i>Immunity</i> , 2008, 29, 565-577.	6.6	687

#	ARTICLE	IF	CITATIONS
352	Reducing the Risk of Viral Infection in Renal Transplantation. <i>Transplantation Proceedings</i> , 2008, 40, S48-S51.	0.3	2
353	mTOR – What Does It Do?. <i>Transplantation Proceedings</i> , 2008, 40, S5-S8.	0.3	161
354	mTOR – Understanding the Clinical Effects. <i>Transplantation Proceedings</i> , 2008, 40, S9-S12.	0.3	19
355	Differential promotion of hematopoietic chimerism and inhibition of alloreactive T cell proliferation by combinations of anti-CD40Ligand, anti-LFA-1, everolimus, and deoxyspergualin. <i>Transplant Immunology</i> , 2008, 20, 106-112.	0.6	5
356	A fast and simple method to prepare the FKBP-rapamycin binding domain of human target of rapamycin for NMR binding assays. <i>Protein Expression and Purification</i> , 2008, 59, 31-37.	0.6	3
357	<i>Drosophila</i> growth and development in the absence of dMyc and dMnt. <i>Developmental Biology</i> , 2008, 315, 303-316.	0.9	51
358	ErbB receptors, their ligands, and the consequences of their activation and inhibition in the myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 831-854.	0.9	155
359	Rheb activates protein synthesis and growth in adult rat ventricular cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 812-820.	0.9	24
360	Aging and Survival: The Genetics of Life Span Extension by Dietary Restriction. <i>Annual Review of Biochemistry</i> , 2008, 77, 727-754.	5.0	552
361	TRPM7 Ion Channels Are Required for Sustained Phosphoinositide 3-Kinase Signaling in Lymphocytes. <i>Cell Metabolism</i> , 2008, 8, 84-93.	7.2	110
362	TOR regulation of AGC kinases in yeast and mammals. <i>Biochemical Journal</i> , 2008, 410, 19-37.	1.7	188
363	Autophagosome and Phagosome. <i>Methods in Molecular Biology</i> , 2008, 445, 1-10.	0.4	51
364	Cell Growth Control: mTOR Takes on Fat. <i>Molecular Cell</i> , 2008, 31, 775-776.	4.5	15
365	Regulation of macroautophagy by mTOR and Beclin 1 complexes. <i>Biochimie</i> , 2008, 90, 313-323.	1.3	460
366	Genetic evidence that Ras-like GTPases, Gtr1p, and Gtr2p, are involved in epigenetic control of gene expression in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 748-754.	1.0	13
367	mTORC2 regulates PGE2-mediated endothelial cell survival and migration. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 875-879.	1.0	53
368	p53 Target Genes Sestrin1 and Sestrin2 Connect Genotoxic Stress and mTOR Signaling. <i>Cell</i> , 2008, 134, 451-460.	13.5	1,166
369	The Autistic Neuron: Troubled Translation?. <i>Cell</i> , 2008, 135, 401-406.	13.5	517

#	ARTICLE	IF	CITATIONS
370	Nutritional Control of Protein Biosynthetic Capacity by Insulin via Myc in Drosophila. <i>Cell Metabolism</i> , 2008, 7, 21-32.	7.2	224
371	Regulation of Ceramide Biosynthesis by TOR Complex 2. <i>Cell Metabolism</i> , 2008, 7, 148-158.	7.2	174
372	More Chores for TOR: De Novo Ceramide Synthesis. <i>Cell Metabolism</i> , 2008, 7, 99-100.	7.2	5
373	Amino Acids Activate mTOR Complex 1 via Ca ²⁺ /CaM Signaling to hVps34. <i>Cell Metabolism</i> , 2008, 7, 456-465.	7.2	327
374	SREBP Activity Is Regulated by mTORC1 and Contributes to Akt-Dependent Cell Growth. <i>Cell Metabolism</i> , 2008, 8, 224-236.	7.2	1,103
375	Adipose-Specific Knockout of raptor Results in Lean Mice with Enhanced Mitochondrial Respiration. <i>Cell Metabolism</i> , 2008, 8, 399-410.	7.2	434
376	Skeletal Muscle-Specific Ablation of raptor, but Not of rictor, Causes Metabolic Changes and Results in Muscle Dystrophy. <i>Cell Metabolism</i> , 2008, 8, 411-424.	7.2	557
377	Raptor Swoops in on Metabolism. <i>Cell Metabolism</i> , 2008, 8, 343-344.	7.2	4
378	Inhibition of PI-3 kinase for treating respiratory disease: good idea or bad idea?. <i>Current Opinion in Pharmacology</i> , 2008, 8, 267-274.	1.7	29
379	Targeting the PI3K-AKT-mTOR pathway: progress, pitfalls, and promises. <i>Current Opinion in Pharmacology</i> , 2008, 8, 393-412.	1.7	488
380	Role of TSC-mTOR pathway in diabetic nephropathy. <i>Diabetes Research and Clinical Practice</i> , 2008, 82, S59-S62.	1.1	57
381	The TOR Pathway Couples Nutrition and Developmental Timing in Drosophila. <i>Developmental Cell</i> , 2008, 15, 568-577.	3.1	249
382	Drosophila aging 2006/2007. <i>Experimental Gerontology</i> , 2008, 43, 5-10.	1.2	27
383	Deforolimus (AP23573) a novel mTOR inhibitor in clinical development. <i>Expert Opinion on Investigational Drugs</i> , 2008, 17, 1947-1954.	1.9	103
384	Regulation of mTORC1 Signaling by Src Kinase Activity Is Akt1-Independent in RSV-Transformed Cells. <i>Neoplasia</i> , 2008, 10, 99-107.	2.3	42
385	Systemic Therapy for Metastatic Renal Cell Carcinoma. <i>Urologic Clinics of North America</i> , 2008, 35, 687-701.	0.8	39
386	mTOR complex 2 (mTORC2) controls hydrophobic motif phosphorylation and activation of serum- and glucocorticoid-induced protein kinase 1 (SGK1). <i>Biochemical Journal</i> , 2008, 416, 375-385.	1.7	816
387	TSC-mTOR maintains quiescence and function of hematopoietic stem cells by repressing mitochondrial biogenesis and reactive oxygen species. <i>Journal of Experimental Medicine</i> , 2008, 205, 2397-2408.	4.2	615

#	ARTICLE	IF	CITATIONS
388	PI(3)Kâ€“Aktâ€“mTOR pathway as a potential therapeutic target in neuroendocrine tumors. Expert Review of Endocrinology and Metabolism, 2008, 3, 207-222.	1.2	3
389	Flavonoids: modulators of brain function?. British Journal of Nutrition, 2008, 99, ES60-ES77.	1.2	302
390	Phosphorylation of eIF4E by MNKs supports protein synthesis, cell cycle progression and proliferation in prostate cancer cells. Carcinogenesis, 2008, 29, 2279-2288.	1.3	116
391	Recurrent head and neck cancer: current treatment and future prospects. Expert Review of Anticancer Therapy, 2008, 8, 375-391.	1.1	39
392	Isolation of Hyperactive Mutants of Mammalian Target of Rapamycin. Journal of Biological Chemistry, 2008, 283, 31861-31870.	1.6	61
393	Important role of the LKB1â€“AMPK pathway in suppressing tumorigenesis in PTEN-deficient mice. Biochemical Journal, 2008, 412, 211-221.	1.7	358
394	The PI3K/Akt/mTOR pathway in innate immune cells: emerging therapeutic applications. Annals of the Rheumatic Diseases, 2008, 67, iii70-iii74.	0.5	240
395	The Integrative Role of CNS Fuel-Sensing Mechanisms in Energy Balance and Glucose Regulation. Annual Review of Physiology, 2008, 70, 513-535.	5.6	158
396	Mammalian target of rapamycin and glycogen synthase kinase 3 differentially regulate lipopolysaccharide-induced interleukin-12 production in dendritic cells. Blood, 2008, 112, 635-643.	0.6	230
397	mTOR Inhibitors in Oncology. Annual Reports in Medicinal Chemistry, 2008, 43, 189-202.	0.5	10
398	Rapamycin inhibits trypanosome cell growth by preventing TOR complex 2 formation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14579-14584.	3.3	121
399	RalA Functions as an Indispensable Signal Mediator for the Nutrient-sensing System. Journal of Biological Chemistry, 2008, 283, 35053-35059.	1.6	76
400	Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis. Molecular Pharmacology, 2008, 73, 1052-1063.	1.0	109
401	FOXO-regulated transcription restricts overgrowth of <i>Tsc</i> mutant organs. Journal of Cell Biology, 2008, 180, 691-696.	2.3	44
402	Food for thought: the role of dietary flavonoids in enhancing human memory, learning and neuro-cognitive performance. Proceedings of the Nutrition Society, 2008, 67, 238-252.	0.4	164
403	Regulation of Neurogenesis and Epidermal Growth Factor Receptor Signaling by the Insulin Receptor/Target of Rapamycin Pathway in <i>Drosophila</i> . Genetics, 2008, 179, 843-853.	1.2	43
404	Sirolimus in Metastatic Renal Cell Carcinoma. Journal of Clinical Oncology, 2008, 26, 3457-3460.	0.8	13
405	Lack of Hypoxic Response in Uterine Leiomyomas despite Severe Tissue Hypoxia. Cancer Research, 2008, 68, 4719-4726.	0.4	85

#	ARTICLE	IF	CITATIONS
406	Dietary Energy Restriction Modulates the Activity of AMP-Activated Protein Kinase, Akt, and Mammalian Target of Rapamycin in Mammary Carcinomas, Mammary Gland, and Liver. <i>Cancer Research</i> , 2008, 68, 5492-5499.	0.4	158
407	Signal-Dependent Protein Synthesis by Activated Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, s17-24.	1.1	173
408	Human rhomboid family-1 gene silencing causes apoptosis or autophagy to epithelial cancer cells and inhibits xenograft tumor growth. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1355-1364.	1.9	84
409	Quantitative evidence for conserved longevity pathways between divergent eukaryotic species. <i>Genome Research</i> , 2008, 18, 564-570.	2.4	182
410	Involvement of <i>Saccharomyces cerevisiae</i> Avo3p/Tsc11p in Maintaining TOR Complex 2 Integrity and Coupling to Downstream Signaling. <i>Eukaryotic Cell</i> , 2008, 7, 1328-1343.	3.4	15
411	Mutation of the PDK1 PH Domain Inhibits Protein Kinase B/Akt, Leading to Small Size and Insulin Resistance. <i>Molecular and Cellular Biology</i> , 2008, 28, 3258-3272.	1.1	115
412	Rictor and Integrin-Linked Kinase Interact and Regulate Akt Phosphorylation and Cancer Cell Survival. <i>Cancer Research</i> , 2008, 68, 1618-1624.	0.4	200
413	IL-1 β -Driven ST2L Expression Promotes Maturation Resistance in Rapamycin-Conditioned Dendritic Cells. <i>Journal of Immunology</i> , 2008, 181, 62-72.	0.4	69
414	Aberrant <i>Rheb</i> -mediated mTORC1 activation and <i>Pten</i> haploinsufficiency are cooperative oncogenic events. <i>Genes and Development</i> , 2008, 22, 2172-2177.	2.7	109
415	Amelioration of protein misfolding disease by rapamycin: Translation or autophagy?. <i>Autophagy</i> , 2008, 4, 542-545.	4.3	31
416	mTOR signaling: PLD takes center stage. <i>Cell Cycle</i> , 2008, 7, 3118-3123.	1.3	76
417	Fission yeast TOR complex 2 activates the AGC-family Gad8 kinase essential for stress resistance and cell cycle control. <i>Cell Cycle</i> , 2008, 7, 358-364.	1.3	75
418	The TSC1-TSC2 complex: a molecular switchboard controlling cell growth. <i>Biochemical Journal</i> , 2008, 412, 179-190.	1.7	1,045
419	Cancer therapy: staying current with AMPK. <i>Biochemical Journal</i> , 2008, 412, e3-e5.	1.7	16
420	Characterization of a new family of protein kinases from Arabidopsis containing phosphoinositide 3/4-kinase and ubiquitin-like domains. <i>Biochemical Journal</i> , 2008, 409, 117-127.	1.7	44
421	The mTOR Signaling Network: Insights from Its Role During Embryonic Development. <i>Current Medicinal Chemistry</i> , 2008, 15, 1192-1208.	1.2	28
422	The TSC1-TSC2 Complex Is Required for Proper Activation of mTOR Complex 2. <i>Molecular and Cellular Biology</i> , 2008, 28, 4104-4115.	1.1	444
423	Growth stimulation leads to cellular senescence when the cell cycle is blocked. <i>Cell Cycle</i> , 2008, 7, 3355-3361.	1.3	355

#	ARTICLE	IF	CITATIONS
424	Autophagy, an immunologic magic bullet: <i>Mycobacterium tuberculosis</i> phagosome maturation block and how to bypass it. <i>Future Microbiology</i> , 2008, 3, 517-524.	1.0	58
425	Hypoxia-Induced Signaling in the Cardiovascular System. <i>Annual Review of Physiology</i> , 2008, 70, 51-71.	5.6	64
426	Control of eIF4E cellular localization by eIF4E-binding proteins, 4E-BPs. <i>Rna</i> , 2008, 14, 1318-1327.	1.6	104
427	Superoxide anions regulate TORC1 and its ability to bind Fpr1:rapamycin complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15166-15171.	3.3	48
428	Activation and Function of the mTORC1 Pathway in Mast Cells. <i>Journal of Immunology</i> , 2008, 180, 4586-4595.	0.4	112
429	Differential Involvement of \hat{I}^{B} Kinases \hat{I}^{A} and \hat{I}^{C} in Cytokine- and Insulin-Induced Mammalian Target of Rapamycin Activation Determined by Akt. <i>Journal of Immunology</i> , 2008, 180, 7582-7589.	0.4	68
430	Leptin Induces Macrophage Lipid Body Formation by a Phosphatidylinositol 3-Kinase- and Mammalian Target of Rapamycin-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2008, 283, 2203-2210.	1.6	108
431	Hypoxia-mediated Selective mRNA Translation by an Internal Ribosome Entry Site-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2008, 283, 16309-16319.	1.6	108
432	PKR Regulates B56 \hat{I}^{A} -mediated BCL2 Phosphatase Activity in Acute Lymphoblastic Leukemia-derived REH Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 35474-35485.	1.6	45
433	Defects in Skin \hat{I}^{B} T Cell Function Contribute to Delayed Wound Repair in Rapamycin-Treated Mice. <i>Journal of Immunology</i> , 2008, 181, 3974-3983.	0.4	78
434	FIP200, a ULK-interacting protein, is required for autophagosome formation in mammalian cells. <i>Journal of Cell Biology</i> , 2008, 181, 497-510.	2.3	833
435	Rapamycin differentially inhibits S6Ks and 4E-BP1 to mediate cell-type-specific repression of mRNA translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17414-17419.	3.3	716
436	Regulation of Proline-rich Akt Substrate of 40 kDa (PRAS40) Function by Mammalian Target of Rapamycin Complex 1 (mTORC1)-mediated Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 15619-15627.	1.6	157
437	Inhibition of the mTORC1 pathway suppresses intestinal polyp formation and reduces mortality in <i>Apc</i> ^{\hat{I}^{A}716} mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13544-13549.	3.3	148
438	Muscle-Specific Deletion of Rictor Impairs Insulin-Stimulated Glucose Transport and Enhances Basal Glycogen Synthase Activity. <i>Molecular and Cellular Biology</i> , 2008, 28, 61-70.	1.1	188
439	TOR1 and TOR2 Have Distinct Locations in Live Cells. <i>Eukaryotic Cell</i> , 2008, 7, 1819-1830.	3.4	136
440	Cytoplasmic and nuclear distribution of the protein complexes mTORC1 and mTORC2: rapamycin triggers dephosphorylation and delocalization of the mTORC2 components rictor and sin1. <i>Human Molecular Genetics</i> , 2008, 17, 2934-2948.	1.4	219
441	Recovery of skeletal muscle mass after extensive injury: positive effects of increased contractile activity. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C467-C476.	2.1	42

#	ARTICLE	IF	CITATIONS
442	Mammalian Target of Rapamycin and Caspase Inhibitors in Polycystic Kidney Disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2008, 3, 1219-1226.	2.2	45
443	In human endothelial cells rapamycin causes mTORC2 inhibition and impairs cell viability and function. <i>Cardiovascular Research</i> , 2008, 78, 563-571.	1.8	103
444	TNF- α increases protein content in C ₂ C ₁₂ and primary myotubes by enhancing protein translation via the TNF-R1, PI3K, and MEK. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E241-E250.	1.8	45
445	Differential regulation of AMP-activated kinase and AKT kinase in response to oxygen availability in crucian carp (<i>Carassius carassius</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1803-R1814.	0.9	47
446	The binding of PRAS40 to 14-3-3 proteins is not required for activation of mTORC1 signalling by phorbol esters/ERK. <i>Biochemical Journal</i> , 2008, 411, 141-149.	1.7	30
447	De novo induction of antigen-specific CD4 ⁺ CD25 ⁺ Foxp3 ⁺ regulatory T cells in vivo following systemic antigen administration accompanied by blockade of mTOR. <i>Journal of Leukocyte Biology</i> , 2008, 83, 1230-1239.	1.5	107
448	TOR regulates the subcellular distribution of DIM2, a KH domain protein required for cotranscriptional ribosome assembly and pre-40S ribosome export. <i>Rna</i> , 2008, 14, 2061-2073.	1.6	41
449	mTORC1 signaling requires proteasomal function and the involvement of CUL4-DDB1 ubiquitin E3 ligase. <i>Cell Cycle</i> , 2008, 7, 373-381.	1.3	58
451	Adiponectin suppresses colorectal carcinogenesis under the high-fat diet condition. <i>Gut</i> , 2008, 57, 1531-1538.	6.1	160
452	Hepatic overexpression of a dominant negative form of raptor enhances Akt phosphorylation and restores insulin sensitivity in K/KAy mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E719-E725.	1.8	26
453	mTORC1-dependent and -independent regulation of stem cell renewal, differentiation, and mobilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19384-19389.	3.3	187
454	AMP-activated Protein Kinase Phosphorylates Golgi-specific Brefeldin A Resistance Factor 1 at Thr1337 to Induce Disassembly of Golgi Apparatus. <i>Journal of Biological Chemistry</i> , 2008, 283, 4430-4438.	1.6	41
455	Inhibition of mTORC1 leads to MAPK pathway activation through a PI3K-dependent feedback loop in human cancer. <i>Journal of Clinical Investigation</i> , 2008, 118, 3065-74.	3.9	1,132
456	Re-evaluating the Roles of Proposed Modulators of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 30482-30492.	1.6	132
457	Mammalian target of rapamycin (mTOR) pathway signalling in lymphomas. <i>Expert Reviews in Molecular Medicine</i> , 2008, 10, e4.	1.6	35
458	Control of thrombin signaling through PI3K is a mechanism underlying plasticity between hair follicle dermal sheath and papilla cells. <i>Journal of Cell Science</i> , 2008, 121, 1435-1443.	1.2	42
459	A Whole-Animal Microplate Assay for Metabolic Rate Using Zebrafish. <i>Journal of Biomolecular Screening</i> , 2008, 13, 960-967.	2.6	19
460	Dopaminergic Modulation of Auditory Cortex-Dependent Memory Consolidation through mTOR. <i>Cerebral Cortex</i> , 2008, 18, 2646-2658.	1.6	87

#	ARTICLE	IF	CITATIONS
461	Dose- and Schedule-Dependent Inhibition of the Mammalian Target of Rapamycin Pathway With Everolimus: A Phase I Tumor Pharmacodynamic Study in Patients With Advanced Solid Tumors. <i>Journal of Clinical Oncology</i> , 2008, 26, 1603-1610.	0.8	519
462	Tuberous sclerosis complex proteins control axon formation. <i>Genes and Development</i> , 2008, 22, 2485-2495.	2.7	238
463	Thematic Review Series: Sphingolipids. New insights into sphingolipid metabolism and function in budding yeast. <i>Journal of Lipid Research</i> , 2008, 49, 909-921.	2.0	198
464	Organization of the Pre-autophagosomal Structure Responsible for Autophagosome Formation. <i>Molecular Biology of the Cell</i> , 2008, 19, 2039-2050.	0.9	233
465	Integration of Protein Kinases mTOR and Extracellular Signal-Regulated Kinase 5 in Regulating Nucleocytoplasmic Localization of NFATc4. <i>Molecular and Cellular Biology</i> , 2008, 28, 3489-3501.	1.1	42
466	A Putative Mitotic Checkpoint Dependent on mTOR Function Controls Cell Proliferation and Survival in Ovarian Granulosa Cells. <i>Reproductive Sciences</i> , 2008, 15, 128-138.	1.1	73
467	Target of Rapamycin and LST8 Proteins Associate with Membranes from the Endoplasmic Reticulum in the Unicellular Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2008, 7, 212-222.	3.4	70
468	mTORC1 Signaling Can Regulate Growth Factor Activation of p44/42 Mitogen-activated Protein Kinases through Protein Phosphatase 2A. <i>Journal of Biological Chemistry</i> , 2008, 283, 2575-2585.	1.6	26
469	Early cellular changes after blockage of chaperone-mediated autophagy. <i>Autophagy</i> , 2008, 4, 442-456.	4.3	65
470	mTOR Mediates Survival Signals in Malignant Mesothelioma Grown as Tumor Fragment Spheroids. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 576-583.	1.4	60
471	The Mammalian Target of Rapamycin Complex 1 Regulates Leptin Biosynthesis in Adipocytes at the Level of Translation: The Role of the 5' Untranslated Region in the Expression of Leptin Messenger Ribonucleic Acid. <i>Molecular Endocrinology</i> , 2008, 22, 2260-2267.	3.7	20
472	Evaluation of the mammalian target of rapamycin pathway and the effect of rapamycin on target expression and cellular proliferation in osteosarcoma cells from dogs. <i>American Journal of Veterinary Research</i> , 2008, 69, 1079-1084.	0.3	38
473	Early-Life Iron Deficiency Anemia Alters Neurotrophic Factor Expression and Hippocampal Neuron Differentiation in Male Rats. <i>Journal of Nutrition</i> , 2008, 138, 2495-2501.	1.3	76
474	PI3K-Akt Signaling and Viral Infection. <i>Recent Patents on Biotechnology</i> , 2008, 2, 218-226.	0.4	75
475	The PTEN/PI3K/AKT Signalling Pathway in Cancer, Therapeutic Implications. <i>Current Cancer Drug Targets</i> , 2008, 8, 187-198.	0.8	685
476	mTOR Inhibition by Rapamycin Prevents β -Cell Adaptation to Hyperglycemia and Exacerbates the Metabolic State in Type 2 Diabetes. <i>Diabetes</i> , 2008, 57, 945-957.	0.3	336
477	The cell biology of autophagy in metazoans: a developing story. <i>Development (Cambridge)</i> , 2008, 135, 2347-2360.	1.2	123
478	The role of TOR in autophagy regulation from yeast to plants and mammals. <i>Autophagy</i> , 2008, 4, 851-865.	4.3	348

#	ARTICLE	IF	CITATIONS
479	Protein kinase B (c-akt) regulates hematopoietic lineage choice decisions during myelopoiesis. <i>Blood</i> , 2008, 111, 112-121.	0.6	62
480	CCL5-mediated T-cell chemotaxis involves the initiation of mRNA translation through mTOR/4E-BP1. <i>Blood</i> , 2008, 111, 4892-4901.	0.6	84
481	TOR signaling in the regulation of cell growth and differentiation. <i>Kagaku To Seibutsu</i> , 2008, 46, 386-391.	0.0	0
482	Posttranscription Regulation of Prostate Cancer Growth. <i>Cancer Journal (Sudbury, Mass)</i> , 2008, 14, 46-53.	1.0	16
483	Signal Transduction by Growth Factor Receptors. , 2008, , 155-168.		0
484	Reduced rate of adenosine triphosphate synthesis by in vivo ³¹ P nuclear magnetic resonance spectroscopy and downregulation of PGC-1 β in distal skeletal muscle following burn. <i>International Journal of Molecular Medicine</i> , 2008, , .	1.8	5
485	Cell Growth. , 2008, , 169-175.		1
486	Neurofibromatosis Type 1 and Other Syndromes of the Ras Pathway. , 2008, , 32-45.		5
487	Hsf1 Activation Inhibits Rapamycin Resistance and TOR Signaling in Yeast Revealed by Combined Proteomic and Genetic Analysis. <i>PLoS ONE</i> , 2008, 3, e1598.	1.1	41
488	TOR Regulates Cell Death Induced by Telomere Dysfunction in Budding Yeast. <i>PLoS ONE</i> , 2008, 3, e3520.	1.1	10
490	PPARs Mediate Lipid Signaling in Inflammation and Cancer. <i>PPAR Research</i> , 2008, 2008, 1-15.	1.1	91
491	The mammalian target of rapamycin-signaling pathway in regulating metabolism and growth1,2. <i>Journal of Animal Science</i> , 2008, 86, E36-E50.	0.2	91
492	Rapamycin Inhibits Growth Factor-Induced Cell Cycle Regulation in Pancreatic β Cells. <i>Journal of Investigative Medicine</i> , 2008, 56, 985-996.	0.7	9
493	mTOR Inhibitors: Sirolimus and Everolimus. , 2008, , 293-308.		1
494	Serine 2481-autophosphorylation of mammalian target of rapamycin (mTOR) couples with chromosome condensation and segregation during mitosis: Confocal microscopy characterization and immunohistochemical validation of PP-mTORSer2481 as a novel high-contrast mitosis marker in breast cancer core biopsies. <i>International Journal of Oncology</i> , 2009, 36, .	1.4	3
495	Multiple roles and therapeutic implications of Akt signaling in cancer. <i>OncoTargets and Therapy</i> , 2009, 2, 135.	1.0	14
496	TORing with Cell Cycle, Nutrients, Stress, and Growth. , 0, , 161-200.		0
497	Temsirolimus: A Review of its Use in the Treatment of Advanced Renal Cell Carcinoma. <i>Clinical Medicine Therapeutics</i> , 2009, 1, CMT.S2349.	0.1	2

#	ARTICLE	IF	CITATIONS
498	Insulin Stimulates Adipogenesis through the Akt-TSC2-mTORC1 Pathway. <i>PLoS ONE</i> , 2009, 4, e6189.	1.1	306
499	HIF-1 Modulates Dietary Restriction-Mediated Lifespan Extension via IRE-1 in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2009, 5, e1000486.	1.5	232
500	Genetic Variation in Healthy Oldest-Old. <i>PLoS ONE</i> , 2009, 4, e6641.	1.1	42
501	Growth and aging: a common molecular mechanism. <i>Aging</i> , 2009, 1, 357-362.	1.4	195
502	Live Fast, Die Young: New Lessons in Mammalian Longevity. <i>Rejuvenation Research</i> , 2009, 12, 283-288.	0.9	11
503	Combined Inhibition of MEK and mTOR Signaling Inhibits Initiation and Progression of Colorectal Cancer. <i>Cancer Investigation</i> , 2009, 27, 273-285.	0.6	38
504	The p85 ^β regulatory subunit of phosphoinositide 3-kinase has unique and redundant functions in B cells. <i>Autoimmunity</i> , 2009, 42, 447-458.	1.2	16
505	Effect of dietary phytate and phytase on proteolytic digestion and growth regulation of broilers. <i>Archives of Animal Nutrition</i> , 2009, 63, 292-303.	0.9	40
506	Biochemical, Cellular, and <i>In vivo</i> Activity of Novel ATP-Competitive and Selective Inhibitors of the Mammalian Target of Rapamycin. <i>Cancer Research</i> , 2009, 69, 6232-6240.	0.4	316
507	Fyn kinase function in lipid utilization: a new upstream regulator of AMPK activity?. <i>Archives of Physiology and Biochemistry</i> , 2009, 115, 191-198.	1.0	12
508	Upregulation of the Mammalian Target of Rapamycin Complex 1 Pathway by Ras Homolog Enriched in Brain in Pancreatic β -Cells Leads to Increased β -Cell Mass and Prevention of Hyperglycemia. <i>Diabetes</i> , 2009, 58, 1321-1332.	0.3	87
509	Glycolytic Flux Signals to mTOR through Glyceraldehyde-3-Phosphate Dehydrogenase-Mediated Regulation of Rheb. <i>Molecular and Cellular Biology</i> , 2009, 29, 3991-4001.	1.1	156
510	Knockdown of the <i>Drosophila</i> GTPase Nucleostemin 1 Impairs Large Ribosomal Subunit Biogenesis, Cell Growth, and Midgut Precursor Cell Maintenance. <i>Molecular Biology of the Cell</i> , 2009, 20, 4424-4434.	0.9	40
511	Characterization of Rictor Phosphorylation Sites Reveals Direct Regulation of mTOR Complex 2 by S6K1. <i>Molecular and Cellular Biology</i> , 2009, 29, 5657-5670.	1.1	388
512	The Tor and PKA signaling pathways independently target the Atg1/Atg13 protein kinase complex to control autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17049-17054.	3.3	274
513	Direct control of mitochondrial function by mTOR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22229-22232.	3.3	315
514	T cell dependence on mTOR signaling. <i>Cell Cycle</i> , 2009, 8, 545-548.	1.3	20
515	Mutation of the Rb1 Pathway Leads to Overexpression of mTor, Constitutive Phosphorylation of Akt on Serine 473, Resistance to Anoikis, and a Block in c-Raf Activation. <i>Molecular and Cellular Biology</i> , 2009, 29, 5710-5717.	1.1	39

#	ARTICLE	IF	CITATIONS
516	Akt Inhibitor Akt-IV Blocks Virus Replication through an Akt-Independent Mechanism. <i>Journal of Virology</i> , 2009, 83, 11665-11672.	1.5	26
517	The mTORC2 Complex Regulates Terminal Differentiation of C2C12 Myoblasts. <i>Molecular and Cellular Biology</i> , 2009, 29, 4691-4700.	1.1	53
518	Specific Activation of mTORC1 by Rheb G-protein in Vitro Involves Enhanced Recruitment of Its Substrate Protein. <i>Journal of Biological Chemistry</i> , 2009, 284, 12783-12791.	1.6	179
519	mTOR ^{Î²} Splicing Isoform Promotes Cell Proliferation and Tumorigenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 30807-30814.	1.6	41
520	Brain-derived Neurotrophic Factor Enhances the Basal Rate of Protein Synthesis by Increasing Active Eukaryotic Elongation Factor 2 Levels and Promoting Translation Elongation in Cortical Neurons. <i>Journal of Biological Chemistry</i> , 2009, 284, 26340-26348.	1.6	47
521	The Rhebâ€mTOR Pathway Is Upregulated in Reactive Astrocytes of the Injured Spinal Cord. <i>Journal of Neuroscience</i> , 2009, 29, 1093-1104.	1.7	136
522	mTOR/S6 Kinase Pathway Contributes to Astrocyte Survival during Ischemia. <i>Journal of Biological Chemistry</i> , 2009, 284, 22067-22078.	1.6	78
523	TOR-mediated autophagy regulates cell death in <i>Drosophila</i> neurodegenerative disease. <i>Journal of Cell Biology</i> , 2009, 186, 703-711.	2.3	126
524	A molecular mechanism of chronological aging in yeast. <i>Cell Cycle</i> , 2009, 8, 1256-1270.	1.3	320
525	mTORC1 signalling and mRNA translation. <i>Biochemical Society Transactions</i> , 2009, 37, 227-231.	1.6	112
526	Target identification using drug affinity responsive target stability (DARTS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21984-21989.	3.3	710
527	Potential of mTOR inhibitors as therapeutic agents in hematological malignancies. <i>Expert Review of Hematology</i> , 2009, 2, 399-414.	1.0	5
528	The Role of the Mammalian Target Of Rapamycin (mTOR) in Renal Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2493-2502.	3.0	247
529	Notch: From fly wings to human hematological tumors. <i>Archive of Oncology</i> , 2009, 17, 72-77.	0.2	0
530	Activation of Mammalian Target of Rapamycin Controls the Loss of TCR ^{Î¶} in Lupus T Cells through HRES-1/Rab4-Regulated Lysosomal Degradation. <i>Journal of Immunology</i> , 2009, 182, 2063-2073.	0.4	221
531	Metformin inhibits breast cancer cell growth, colony formation and induces cell cycle arrest in vitro. <i>Cell Cycle</i> , 2009, 8, 909-915.	1.3	467
532	Characterization of TCTP, the Translationally Controlled Tumor Protein, from <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2009, 20, 3430-3447.	3.1	155
533	Important role for AMPK ^{Î±} l in limiting skeletal muscle cell hypertrophy. <i>FASEB Journal</i> , 2009, 23, 2264-2273.	0.2	106

#	ARTICLE	IF	CITATIONS
534	Loss of Tsc1, but not Pten, in renal tubular cells causes polycystic kidney disease by activating mTORC1. <i>Human Molecular Genetics</i> , 2009, 18, 4428-4441.	1.4	58
535	mTOR complex 2 in adipose tissue negatively controls whole-body growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9902-9907.	3.3	162
536	Rheb controls misfolded protein metabolism by inhibiting aggresome formation and autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8923-8928.	3.3	88
537	Mammalian Target of Rapamycin Complex 1 (mTORC1) Activity Is Associated with Phosphorylation of Raptor by mTOR. <i>Journal of Biological Chemistry</i> , 2009, 284, 14693-14697.	1.6	100
538	Mutation of a Phosphorylatable Residue in Put3p Affects the Magnitude of Rapamycin-induced PUT1 Activation in a Gat1p-dependent Manner. <i>Journal of Biological Chemistry</i> , 2009, 284, 24115-24122.	1.6	7
539	Inactivation of Mammalian Target of Rapamycin Increases STAT1 Nuclear Content and Transcriptional Activity in I κ B- and Protein Phosphatase 2A-dependent Fashion. <i>Journal of Biological Chemistry</i> , 2009, 284, 24341-24353.	1.6	41
540	Effects of Angiotensin-Converting Enzyme Inhibitor Versus Valsartan on Cellular Signaling Events in Heart Transplant. <i>Annals of Pharmacotherapy</i> , 2009, 43, 831-839.	0.9	1
541	Insulin Resistance in Striated Muscle-specific Integrin Receptor β 1-deficient Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 4679-4688.	1.6	47
542	Host Cell Autophagy Is Induced by <i>Toxoplasma gondii</i> and Contributes to Parasite Growth. <i>Journal of Biological Chemistry</i> , 2009, 284, 1694-1701.	1.6	109
544	Participation of Mammalian Target of Rapamycin Complex 1 in Toll-Like Receptor 2 α and 4 α -Induced Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 237-245.	1.4	108
545	Interferon-Dependent Engagement of Eukaryotic Initiation Factor 4B via S6 Kinase (S6K)- and Ribosomal Protein S6K-Mediated Signals. <i>Molecular and Cellular Biology</i> , 2009, 29, 2865-2875.	1.1	62
546	NF2/Merlin Is a Novel Negative Regulator of mTOR Complex 1, and Activation of mTORC1 Is Associated with Meningioma and Schwannoma Growth. <i>Molecular and Cellular Biology</i> , 2009, 29, 4250-4261.	1.1	264
547	Distinctive Responses to Nitrogen Starvation in the Dominant Active Mutants of the Fission Yeast Rheb GTPase. <i>Genetics</i> , 2009, 183, 517-527.	1.2	26
548	Inhibition of Cervical Cancer Cell Growth through Activation of Upstream Kinases of AMP-Activated Protein Kinase. <i>Tumor Biology</i> , 2009, 30, 80-85.	0.8	36
549	Expression of selected tumor suppressor and oncogenes in endometrium of women with endometriosis. <i>Human Reproduction</i> , 2009, 24, 1880-1890.	0.4	57
550	Rapamycin decelerates cellular senescence. <i>Cell Cycle</i> , 2009, 8, 1888-1895.	1.3	395
551	Activation of the AKT/mTOR pathway in autosomal recessive polycystic kidney disease (ARPKD). <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 1819-1827.	0.4	76
552	Ageing-suppressants: Cellular senescence (hyperactivation) and its pharmacologic deceleration. <i>Cell Cycle</i> , 2009, 8, 1883-1887.	1.3	52

#	ARTICLE	IF	CITATIONS
553	The role of mTORC1 pathway in intestinal tumorigenesis. <i>Cell Cycle</i> , 2009, 8, 3684-3687.	1.3	17
554	Sch9 partially mediates TORC1 signaling to control ribosomal RNA synthesis. <i>Cell Cycle</i> , 2009, 8, 4085-4090.	1.3	68
555	Making metabolic decisions in <i>Drosophila</i> . <i>Fly</i> , 2009, 3, 74-77.	0.9	24
556	TOR-driven aging: Speeding car without brakes. <i>Cell Cycle</i> , 2009, 8, 4055-4059.	1.3	81
557	PI3K/mTORC1 activation in hamartoma syndromes: Therapeutic prospects. <i>Cell Cycle</i> , 2009, 8, 403-413.	1.3	85
558	Nutrition-Minded Cell Cycle. <i>Science Signaling</i> , 2009, 2, pe74.	1.6	15
559	mTORC1 signaling governs hematopoietic stem cell quiescence. <i>Cell Cycle</i> , 2009, 8, 1003-1006.	1.3	99
560	Targeting the mTOR pathway using deforolimus in cancer therapy. <i>Future Oncology</i> , 2009, 5, 291-303.	1.1	47
561	Complex Regulation of Mammalian Target of Rapamycin Complex 1 in the Basomedial Hypothalamus by Leptin and Nutritional Status. <i>Endocrinology</i> , 2009, 150, 4541-4551.	1.4	73
562	Pharmacological Retention of Oral Mucosa Progenitor/Stem Cells. <i>Journal of Dental Research</i> , 2009, 88, 1113-1118.	2.5	20
563	Translating translation: Regulated protein translation as a biomedical intervention. <i>Fly</i> , 2009, 3, 278-280.	0.9	3
564	The axis of mTOR-mitochondria-ROS and stemness of the hematopoietic stem cells. <i>Cell Cycle</i> , 2009, 8, 1158-1160.	1.3	61
565	Isolation and Characterization of Adult Human Liver Progenitors from Ischemic Liver Tissue Derived from Therapeutic Hepatectomies. <i>Tissue Engineering - Part A</i> , 2009, 15, 1633-1643.	1.6	35
566	Targeting mTOR globally in cancer: Thinking beyond rapamycin. <i>Cell Cycle</i> , 2009, 8, 3831-3837.	1.3	155
567	Intrauterine Growth Restriction Increases Fetal Hepatic Gluconeogenic Capacity and Reduces Messenger Ribonucleic Acid Translation Initiation and Nutrient Sensing in Fetal Liver and Skeletal Muscle. <i>Endocrinology</i> , 2009, 150, 3021-3030.	1.4	140
568	Immune Regulation by Rapamycin: Moving Beyond T Cells. <i>Science Signaling</i> , 2009, 2, pe25.	1.6	40
569	Metallothionein: a new soldier in the fight against chronic renal hypoxia?. <i>Kidney International</i> , 2009, 75, 257-259.	2.6	1
570	Successful Control of Intractable Hypoglycemia Using Rapamycin in an 86-Year-Old Man with a Pancreatic Insulin-Secreting Islet Cell Tumor and Metastases. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 3157-3162.	1.8	54

#	ARTICLE	IF	CITATIONS
571	Long-Term Reduction of Hippocampal Brain-Derived Neurotrophic Factor Activity After Fetal-Neonatal Iron Deficiency in Adult Rats. <i>Pediatric Research</i> , 2009, 65, 493-498.	1.1	102
572	Leucine restriction inhibits chondrocyte proliferation and differentiation through mechanisms both dependent and independent of mTOR signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1374-E1382.	1.8	28
573	Regulation of amino acid transporters by glucose and growth factors in cultured primary human trophoblast cells is mediated by mTOR signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C723-C731.	2.1	136
574	IL-6 stimulates system A amino acid transporter activity in trophoblast cells through STAT3 and increased expression of SNAT2. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C1228-C1235.	2.1	144
575	Site-Specific mTOR Phosphorylation Promotes mTORC1-Mediated Signaling and Cell Growth. <i>Molecular and Cellular Biology</i> , 2009, 29, 4308-4324.	1.1	141
576	Fed-state clamp stimulates cellular mechanisms of muscle protein anabolism and modulates glucose disposal in normal men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E105-E113.	1.8	19
577	Integration of hormonal and nutrient signals that regulate leptin synthesis and secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1230-E1238.	1.8	112
578	mTOR regulates expression of slit diaphragm proteins and cytoskeleton structure in podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F418-F426.	1.3	107
579	A Genome-Wide Screen for Regulators of TORC1 in Response to Amino Acid Starvation Reveals a Conserved Npr2/3 Complex. <i>PLoS Genetics</i> , 2009, 5, e1000515.	1.5	134
580	Arsenic Toxicity to <i>Saccharomyces cerevisiae</i> Is a Consequence of Inhibition of the TORC1 Kinase Combined with a Chronic Stress Response. <i>Molecular Biology of the Cell</i> , 2009, 20, 1048-1057.	0.9	34
581	Critical roles for the TSC-mTOR pathway in β^2 -cell function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1013-E1022.	1.8	88
582	Rainbow trout genetically selected for greater muscle fat content display increased activation of liver TOR signaling and lipogenic gene expression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1421-R1429.	0.9	109
583	Secreted Frizzles-Related Protein 2 Stimulates Angiogenesis via a Calcineurin/NFAT Signaling Pathway. <i>Cancer Research</i> , 2009, 69, 4621-4628.	0.4	104
584	Everolimus Inhibits Monocyte/Macrophage Migration in Vitro and Their Accumulation in Carotid Lesions of Cholesterol-Fed Rabbits. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 419-425.	1.3	52
585	mTOR Regulation and Therapeutic Rejuvenation of Aging Hematopoietic Stem Cells. <i>Science Signaling</i> , 2009, 2, ra75.	1.6	569
586	REDD2 is enriched in skeletal muscle and inhibits mTOR signaling in response to leucine and stretch. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C583-C592.	2.1	54
587	Blocking eukaryotic initiation factor 4F complex formation does not inhibit the mTORC1-dependent activation of protein synthesis in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H505-H514.	1.5	19
588	Progressive Purkinje Cell Degeneration in tambaleante Mutant Mice Is a Consequence of a Missense Mutation in HERC1 E3 Ubiquitin Ligase. <i>PLoS Genetics</i> , 2009, 5, e1000784.	1.5	58

#	ARTICLE	IF	CITATIONS
589	Life-Span Extension in Mice by Prewaning Food Restriction and by Methionine Restriction in Middle Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 711-722.	1.7	229
590	Characterization of the rapamycin-sensitive phosphoproteome reveals that Sch9 is a central coordinator of protein synthesis. <i>Genes and Development</i> , 2009, 23, 1929-1943.	2.7	306
591	S6 kinase 1 knockout inhibits uninephrectomy- or diabetes-induced renal hypertrophy. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F585-F593.	1.3	68
592	Fission yeast Tor1 functions as part of TORC1 to control mitotic entry through the stress MAPK pathway following nutrient stress. <i>Journal of Cell Science</i> , 2009, 122, 1737-1746.	1.2	79
593	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Cell Biology</i> , 2009, 187, 859-874.	2.3	320
594	Randomized Phase II Study Comparing Two Schedules of Everolimus in Patients With Recurrent/Metastatic Breast Cancer: NCIC Clinical Trials Group IND.163. <i>Journal of Clinical Oncology</i> , 2009, 27, 4536-4541.	0.8	246
595	Identification of a Novel Small Molecule HIF-1 α Translation Inhibitor. <i>Clinical Cancer Research</i> , 2009, 15, 6128-6136.	3.2	102
596	A Rab escort protein integrates the secretion system with TOR signaling and ribosome biogenesis. <i>Genes and Development</i> , 2009, 23, 1944-1958.	2.7	55
597	Targeting oncogenic signaling pathways by exploiting nanotechnology. <i>Cell Cycle</i> , 2009, 8, 3480-3487.	1.3	17
598	Screen for Chemical Modulators of Autophagy Reveals Novel Therapeutic Inhibitors of mTORC1 Signaling. <i>PLoS ONE</i> , 2009, 4, e7124.	1.1	313
599	Select Nutrients in the Ovine Uterine Lumen. VI. Expression of FK506-Binding Protein 12-Rapamycin Complex-Associated Protein 1 (FRAP1) and Regulators and Effectors of mTORC1 and mTORC2 Complexes in Ovine Uteri and Conceptuses1. <i>Biology of Reproduction</i> , 2009, 81, 87-100.	1.2	35
600	Tap42-associated protein phosphatase type 2A negatively regulates induction of autophagy. <i>Autophagy</i> , 2009, 5, 616-624.	4.3	78
601	Novel Role of the CXC Chemokine Receptor 3 in Inflammatory Response to Arterial Injury. <i>Circulation Research</i> , 2009, 104, 189-200.	2.0	34
602	Silibinin inhibits translation initiation: implications for anticancer therapy. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1606-1612.	1.9	34
603	Keratins regulate protein biosynthesis through localization of GLUT1 and -3 upstream of AMP kinase and Raptor. <i>Journal of Cell Biology</i> , 2009, 187, 175-184.	2.3	124
604	Functional interaction of mammalian target of rapamycin complexes in regulating mammalian cell size and cell cycle. <i>Human Molecular Genetics</i> , 2009, 18, 3298-3310.	1.4	49
605	Dynamic Balancing: DEPTOR Tips the Scales. <i>Journal of Molecular Cell Biology</i> , 2009, 1, 61-63.	1.5	27
606	Polycystin-1 Regulates Extracellular Signal-Regulated Kinase-Dependent Phosphorylation of Tuberin To Control Cell Size through mTOR and Its Downstream Effectors S6K and 4EBP1. <i>Molecular and Cellular Biology</i> , 2009, 29, 2359-2371.	1.1	175

#	ARTICLE	IF	CITATIONS
607	Autophagy for the avoidance of neurodegeneration. <i>Genes and Development</i> , 2009, 23, 2253-2259.	2.7	91
608	Tuberous sclerosis complex, implication from a rare genetic disease to common cancer treatment. <i>Human Molecular Genetics</i> , 2009, 18, R94-R100.	1.4	89
609	The TSC-mTOR Pathway Mediates Translational Activation of TOP mRNAs by Insulin Largely in a Raptor- or Rictor-Independent Manner. <i>Molecular and Cellular Biology</i> , 2009, 29, 640-649.	1.1	111
610	A Novel Indole-3-propanamide Exerts Its Immunosuppressive Activity by Inhibiting JAK3 in T Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 710-716.	1.3	8
611	Disruption of Tsc2 in oocytes leads to overactivation of the entire pool of primordial follicles. <i>Molecular Human Reproduction</i> , 2009, 15, 765-770.	1.3	190
612	TORC2 Plasma Membrane Localization Is Essential for Cell Viability and Restricted to a Distinct Domain. <i>Molecular Biology of the Cell</i> , 2009, 20, 1565-1575.	0.9	176
613	Gis1 is required for transcriptional reprogramming of carbon metabolism and the stress response during transition into stationary phase in yeast. <i>Microbiology (United Kingdom)</i> , 2009, 155, 1690-1698.	0.7	58
614	Signaling Events Downstream of Mammalian Target of Rapamycin Complex 2 Are Attenuated in Cells and Tumors Deficient for the Tuberous Sclerosis Complex Tumor Suppressors. <i>Cancer Research</i> , 2009, 69, 6107-6114.	0.4	102
615	Mammalian Target of Rapamycin. <i>Hypertension</i> , 2009, 54, 1221-1222.	1.3	1
616	IQGAP1 regulates cell proliferation through a novel CDC42-mTOR pathway. <i>Journal of Cell Science</i> , 2009, 122, 2024-2033.	1.2	72
617	TOR Complex 2 Controls Gene Silencing, Telomere Length Maintenance, and Survival under DNA-Damaging Conditions. <i>Molecular and Cellular Biology</i> , 2009, 29, 4584-4594.	1.1	55
618	A Phase I Trial to Determine the Safety, Tolerability, and Maximum Tolerated Dose of Deforolimus in Patients with Advanced Malignancies. <i>Clinical Cancer Research</i> , 2009, 15, 1428-1434.	3.2	89
619	<i>SLOW WALKER2</i> , a NOC1/MAK21 Homologue, Is Essential for Coordinated Cell Cycle Progression during Female Gametophyte Development in Arabidopsis. <i>Plant Physiology</i> , 2009, 151, 1486-1497.	2.3	59
620	Insulin/IGF-like signalling, the central nervous system and aging. <i>Biochemical Journal</i> , 2009, 418, 1-12.	1.7	206
621	The Insulin-like Growth Factor-1 Receptor-Targeting Antibody, CP-751,871, Suppresses Tumor-Derived VEGF and Synergizes with Rapamycin in Models of Childhood Sarcoma. <i>Cancer Research</i> , 2009, 69, 7662-7671.	0.4	143
622	Characterization of a novel splicing variant in the RPTOR gene. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 662, 88-92.	0.4	8
623	Making bigger plants: key regulators of final organ size. <i>Current Opinion in Plant Biology</i> , 2009, 12, 17-22.	3.5	114
624	Homeostatic functions of the p53 tumor suppressor: Regulation of energy metabolism and antioxidant defense. <i>Seminars in Cancer Biology</i> , 2009, 19, 32-41.	4.3	132

#	ARTICLE	IF	CITATIONS
625	Nutrient control of TORC1, a cell-cycle regulator. Trends in Cell Biology, 2009, 19, 260-267.	3.6	186
626	Cellular quiescence: are controlling genes conserved?. Trends in Cell Biology, 2009, 19, 705-715.	3.6	88
627	TOR complex 2: a signaling pathway of its own. Trends in Biochemical Sciences, 2009, 34, 620-627.	3.7	235
628	Aging defined by a chronologicâ€“replicative protein network in <i>Saccharomyces cerevisiae</i> : An interactome analysis. Mechanisms of Ageing and Development, 2009, 130, 444-460.	2.2	15
629	Expression and mechanism of mammalian target of rapamycin in age-related renal cell senescence and organ aging. Mechanisms of Ageing and Development, 2009, 130, 700-708.	2.2	35
630	Purification and expression analysis of imaginal disc growth factor in the silkworm, <i>Bombyx mori</i> . Journal of Insect Physiology, 2009, 55, 1065-1071.	0.9	18
631	A kinase-dead knock-in mutation in mTOR leads to early embryonic lethality and is dispensable for the immune system in heterozygous mice. BMC Immunology, 2009, 10, 28.	0.9	20
632	Detecting coordinated regulation of multi-protein complexes using logic analysis of gene expression. BMC Systems Biology, 2009, 3, 115.	3.0	15
633	Automated Quantitative Assessment of HER-2/neu Immunohistochemical Expression in Breast Cancer. IEEE Transactions on Medical Imaging, 2009, 28, 916-925.	5.4	95
634	Autophagy in <i>Drosophila melanogaster</i> . Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1452-1460.	1.9	96
635	Autophagy in Hydra: A response to starvation and stress in early animal evolution. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1432-1443.	1.9	67
636	Involvement of mTOR kinase in cytokine-dependent microglial activation and cell proliferation. Biochemical Pharmacology, 2009, 78, 1242-1251.	2.0	143
637	Placental mammalian target of rapamycin and related signaling pathways in an ovine model of intrauterine growth restriction. American Journal of Obstetrics and Gynecology, 2009, 201, 616.e1-616.e7.	0.7	36
638	Activating transcription factor 4 and CCAAT/enhancer-binding protein- β negatively regulate the mammalian target of rapamycin via Redd1 expression in response to oxidative and endoplasmic reticulum stress. Free Radical Biology and Medicine, 2009, 46, 1158-1167.	1.3	94
639	Optimal targeting of the mTORC1 kinase in human cancer. Current Opinion in Cell Biology, 2009, 21, 219-229.	2.6	75
640	mTOR and the control of whole body metabolism. Current Opinion in Cell Biology, 2009, 21, 209-218.	2.6	276
641	PIKKing on PKB: regulation of PKB activity by phosphorylation. Current Opinion in Cell Biology, 2009, 21, 256-261.	2.6	191
642	TOR signaling in invertebrates. Current Opinion in Cell Biology, 2009, 21, 825-836.	2.6	108

#	ARTICLE	IF	CITATIONS
643	Growth control and ribosome biogenesis. <i>Current Opinion in Cell Biology</i> , 2009, 21, 855-863.	2.6	316
644	Rapamycin induces the TGF β 1/Smad signaling cascade in renal mesangial cells upstream of mTOR. <i>Cellular Signalling</i> , 2009, 21, 1806-1817.	1.7	40
645	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
647	Total Synthesis of Rapamycin. <i>Chemistry - A European Journal</i> , 2009, 15, 2874-2914.	1.7	60
648	KAI1/CD82 decreases Rac1 expression and cell proliferation through PI3K/Akt/mTOR pathway in H1299 lung carcinoma cells. <i>Cell Biochemistry and Function</i> , 2009, 27, 40-47.	1.4	24
649	Beyond AICA riboside: In search of new specific AMP-activated protein kinase activators. <i>IUBMB Life</i> , 2009, 61, 18-26.	1.5	81
650	Critical and diverse involvement of Akt/mammalian target of rapamycin signaling in human lung carcinomas. <i>Cancer</i> , 2009, 115, 107-118.	2.0	42
651	Characterization of p70 S6 kinase 1 in early development of mouse embryos. <i>Developmental Dynamics</i> , 2009, 238, 3025-3034.	0.8	7
652	AMP-activated protein kinase enhances the expression of muscle-specific ubiquitin ligases despite its activation of IGF1/Akt signaling in C2C12 myotubes. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 458-468.	1.2	87
653	RAD 001 (everolimus) prevents mTOR and Akt late reactivation in response to imatinib in chronic myeloid leukemia. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 320-328.	1.2	24
654	Zinc chloride stimulates DNA synthesis of mouse embryonic stem cells: Involvement of PI3K/Akt, MAPKs, and mTOR. <i>Journal of Cellular Physiology</i> , 2009, 218, 558-567.	2.0	45
655	Rapamycin impairs trabecular bone acquisition from high-dose but not low-dose intermittent parathyroid hormone treatment. <i>Journal of Cellular Physiology</i> , 2009, 221, 579-585.	2.0	14
656	The transcription factor SP1 regulates centriole function and chromosomal stability through a functional interaction with the mammalian target of rapamycin/raptor complex. <i>Genes Chromosomes and Cancer</i> , 2010, 49, 282-297.	1.5	28
657	Enterovirus 71-induced autophagy detected in vitro and in vivo promotes viral replication. <i>Journal of Medical Virology</i> , 2009, 81, 1241-1252.	2.5	165
658	The effect of rapamycin on bone growth in rabbits. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1157-1161.	1.2	38
659	Hydrogen Peroxide Induces G ₂ Cell Cycle Arrest and Inhibits Cell Proliferation in Osteoblasts. <i>Anatomical Record</i> , 2009, 292, 1107-1113.	0.8	70
660	Phospho-mTOR and phospho-4EBP1 in endometrial adenocarcinoma: association with stage and grade in vivo and link with response to rapamycin treatment in vitro. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 933-941.	1.2	74
661	Tuberin, p27 and mTOR in different cells. <i>Amino Acids</i> , 2009, 36, 297-302.	1.2	16

#	ARTICLE	IF	CITATIONS
662	Skp2 inversely correlates with p27 and tuberlin in transformed cells. <i>Amino Acids</i> , 2009, 37, 257-262.	1.2	4
663	Combined inhibition of Dnmt and mTOR signaling inhibits formation and growth of colorectal cancer. <i>International Journal of Colorectal Disease</i> , 2009, 24, 629-639.	1.0	16
664	Interleukin-6 Promotes Carcinogenesis Through Multiple Signal Pathways. <i>Digestive Diseases and Sciences</i> , 2009, 54, 1373-1374.	1.1	10
665	Everolimus (RAD001) in the treatment of advanced renal cell carcinoma: biology and pathways. <i>Medical Oncology</i> , 2009, 26, 40-45.	1.2	0
666	Clinical implications of c-Kit mutations in acute myelogenous leukemia. <i>Current Hematologic Malignancy Reports</i> , 2009, 4, 77-82.	1.2	74
667	Early loss of mammalian target of rapamycin complex 1 (mTORC1) signalling and reduction in cell size during dominant-negative suppression of hepatic nuclear factor 1- α (HNF1A) function in INS-1 insulinoma cells. <i>Diabetologia</i> , 2009, 52, 136-144.	2.9	11
668	Rapamycin weekly maintenance dosing and the potential efficacy of combination sorafenib plus rapamycin but not atorvastatin or doxycycline in tuberous sclerosis preclinical models. <i>BMC Pharmacology</i> , 2009, 9, 8.	0.4	63
669	Diurnal variation of the human adipose transcriptome and the link to metabolic disease. <i>BMC Medical Genomics</i> , 2009, 2, 7.	0.7	93
670	Phospholipase D α and phosphatidic acid enhance Arabidopsis nitrogen signaling and growth. <i>Plant Journal</i> , 2009, 58, 376-387.	2.8	160
671	Lifespan extension by suppression of autophagy genes in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2009, 14, 717-726.	0.5	62
672	Suppression of mTOR complex 2-dependent AKT phosphorylation in melanoma cells by combined treatment with rapamycin and LY294002. <i>British Journal of Dermatology</i> , 2009, 160, 955-964.	1.4	33
673	Mammalian target of rapamycin inhibitors and their potential role in therapy in leukaemia and other haematological malignancies. <i>British Journal of Haematology</i> , 2009, 145, 569-580.	1.2	106
674	Mechanisms of regulation of RNA polymerase III-dependent transcription by TORC1. <i>EMBO Journal</i> , 2009, 28, 2220-2230.	3.5	140
675	Emerging common themes in regulation of PIKs and PI3Ks. <i>EMBO Journal</i> , 2009, 28, 3067-3073.	3.5	251
676	The target of rapamycin complex 2 controls dendritic tiling of <i>Drosophila</i> sensory neurons through the Tricornered kinase signalling pathway. <i>EMBO Journal</i> , 2009, 28, 3879-3892.	3.5	68
677	Dendritic tiling through TOR signalling. <i>EMBO Journal</i> , 2009, 28, 3783-3784.	3.5	3
678	Body size in <i>Drosophila</i> : genetic architecture, allometries and sexual dimorphism. <i>Heredity</i> , 2009, 102, 246-256.	1.2	31
679	Dysregulation of the mTOR Pathway Secondary to Mutations or a Hostile Microenvironment Contributes to Cancer and Poor Wound Healing. <i>Journal of Investigative Dermatology</i> , 2009, 129, 529-531.	0.3	14

#	ARTICLE	IF	CITATIONS
680	Targeting the mammalian target of Rapamycin to inhibit VEGF and cytokines for the treatment of primary effusion lymphoma. <i>Leukemia</i> , 2009, 23, 1867-1874.	3.3	35
681	EGFR-dependent and independent activation of Akt/mTOR cascade in bone and soft tissue tumors. <i>Modern Pathology</i> , 2009, 22, 1328-1340.	2.9	77
682	GOLPH3 modulates mTOR signalling and rapamycin sensitivity in cancer. <i>Nature</i> , 2009, 459, 1085-1090.	13.7	311
683	mTOR regulates memory CD8 T-cell differentiation. <i>Nature</i> , 2009, 460, 108-112.	13.7	1,346
684	Rapamycin fed late in life extends lifespan in genetically heterogeneous mice. <i>Nature</i> , 2009, 460, 392-395.	13.7	3,191
685	A hierarchical cascade activated by non-canonical Notch signaling and the mTOR-Rictor complex regulates neglect-induced death in mammalian cells. <i>Cell Death and Differentiation</i> , 2009, 16, 879-889.	5.0	106
686	Rapamycin activation of 4E-BP prevents parkinsonian dopaminergic neuron loss. <i>Nature Neuroscience</i> , 2009, 12, 1129-1135.	7.1	288
687	The LKB1-AMPK pathway: metabolism and growth control in tumour suppression. <i>Nature Reviews Cancer</i> , 2009, 9, 563-575.	12.8	1,563
688	Targeting the CNS to treat type 2 diabetes. <i>Nature Reviews Drug Discovery</i> , 2009, 8, 386-398.	21.5	87
689	Targeting the phosphoinositide 3-kinase pathway in cancer. <i>Nature Reviews Drug Discovery</i> , 2009, 8, 627-644.	21.5	2,218
690	Immunoregulatory functions of mTOR inhibition. <i>Nature Reviews Immunology</i> , 2009, 9, 324-337.	10.6	744
691	Dynamics and diversity in autophagy mechanisms: lessons from yeast. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 458-467.	16.1	1,498
692	Rapamycin induces transactivation of the EGFR and increases cell survival. <i>Oncogene</i> , 2009, 28, 1187-1196.	2.6	47
693	Potential therapeutic targets for chordoma: PI3K/AKT/TSC1/TSC2/mTOR pathway. <i>British Journal of Cancer</i> , 2009, 100, 1406-1414.	2.9	107
694	Autophagy and pattern recognition receptors in innate immunity. <i>Immunological Reviews</i> , 2009, 227, 189-202.	2.8	159
695	Melatonin attenuates methamphetamine-induced deactivation of the mammalian target of rapamycin signaling to induce autophagy in SK-N-SH cells. <i>Journal of Pineal Research</i> , 2009, 46, 199-206.	3.4	77
696	Expression of genes related to muscle plasticity after strength and power training regimens. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, 216-225.	1.3	35
697	<i>Pfkfb3</i> is transcriptionally upregulated in diabetic mouse liver through proliferative signals. <i>FEBS Journal</i> , 2009, 276, 4555-4568.	2.2	36

#	ARTICLE	IF	CITATIONS
698	Apoptosis and autophagy: Targeting autophagy signalling in cancer cells â€“â€”trick or treatsâ€”?. FEBS Journal, 2009, 276, 6084-6096.	2.2	111
699	Pretreatment with insulin before ischaemia reduces infarct size in Langendorffâ€™perfused rat hearts. Acta Physiologica, 2009, 195, 273-282.	1.8	24
700	LKB1 and AMPâ€activated protein kinase control of mTOR signalling and growth. Acta Physiologica, 2009, 196, 65-80.	1.8	532
701	Obesity, the PI3K/Akt signal pathway and colon cancer. Obesity Reviews, 2009, 10, 610-616.	3.1	195
702	Calcineurin inhibitor minimization, withdrawal and avoidance protocols after kidney transplantation. Transplant International, 2009, 22, 69-77.	0.8	18
703	Intracellular parasitism with <i>Toxoplasma gondii</i> stimulates mammalian-target-of-rapamycin-dependent host cell growth despite impaired signalling to S6K1 and 4E-BP1. Cellular Microbiology, 2009, 11, 983-1000.	1.1	31
704	Balancing needs and means: the dilemma of the Î²â€™cell in the modern world. Diabetes, Obesity and Metabolism, 2009, 11, 1-9.	2.2	10
705	Increasing Dietary Protein Requirements in Elderly People for Optimal Muscle and Bone Health. Journal of the American Geriatrics Society, 2009, 57, 1073-1079.	1.3	193
706	Regulation of the postnatal development of dopamine neurons of the substantia nigra <i>in vivo</i> by Akt/protein kinase B. Journal of Neurochemistry, 2009, 110, 23-33.	2.1	38
707	Increasing longevity through caloric restriction or rapamycin feeding in mammals: common mechanisms for common outcomes?. Aging Cell, 2009, 8, 607-613.	3.0	52
708	Hot topics in aging research: protein translation, 2009. Aging Cell, 2009, 8, 617-623.	3.0	48
709	A combined database related and de novo MS-identification of yeast mannose-1-phosphate guanylttransferase PSA1 interaction partners at different phases of batch cultivation. International Journal of Mass Spectrometry, 2009, 281, 126-133.	0.7	2
710	Hypersensitivity of Ph-positive lymphoid cell lines to rapamycin: Possible clinical application of mTOR inhibitor. Leukemia Research, 2009, 33, 450-459.	0.4	42
711	New insights into the role of the tuberous sclerosis genes in leukemia. Leukemia Research, 2009, 33, 883-885.	0.4	6
712	Autophagy Is an Essential Component of Drosophila Immunity against Vesicular Stomatitis Virus. Immunity, 2009, 30, 588-598.	6.6	417
713	mTOR Signaling Pathway Is a Target for the Treatment of Colorectal Cancer. Annals of Surgical Oncology, 2009, 16, 2617-2628.	0.7	114
714	Rethinking phosphatidylinositol 3-monophosphate. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1795-1803.	1.9	44
715	Translational control of eukaryotic gene expression. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 143-168.	2.3	112

#	ARTICLE	IF	CITATIONS
716	Protein kinase inhibitors: contributions from structure to clinical compounds. <i>Quarterly Reviews of Biophysics</i> , 2009, 42, 1-40.	2.4	228
717	Amino acid transceptors: gate keepers of nutrient exchange and regulators of nutrient signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E603-E613.	1.8	264
718	Metabolic transformation in cancer. <i>Carcinogenesis</i> , 2009, 30, 1269-1280.	1.3	206
719	Diacylglycerol kinase alpha, from negative modulation of T cell activation to control of cancer progression. <i>Advances in Enzyme Regulation</i> , 2009, 49, 174-188.	2.9	11
720	Activating Mutations in TOR Are in Similar Structures As Oncogenic Mutations in PI3K. <i>ACS Chemical Biology</i> , 2009, 4, 999-1015.	1.6	33
721	The Mammalian Target of Rapamycin as Novel Central Regulator of Puberty Onset via Modulation of Hypothalamic Kiss1 System. <i>Endocrinology</i> , 2009, 150, 5016-5026.	1.4	194
722	Antagonism of the mammalian target of rapamycin selectively mediates metabolic effects of epidermal growth factor receptor inhibition and protects human malignant glioma cells from hypoxia-induced cell death. <i>Brain</i> , 2009, 132, 1509-1522.	3.7	42
723	Regulation of placental amino acid transporter activity by mammalian target of rapamycin. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C142-C150.	2.1	125
724	Prolyl hydroxylases as regulators of cell metabolism. <i>Biochemical Society Transactions</i> , 2009, 37, 291-294.	1.6	79
725	Conformational Analysis of Macrocycles: Finding What Common Search Methods Miss. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2242-2259.	2.5	61
726	Ku-0063794 is a specific inhibitor of the mammalian target of rapamycin (mTOR). <i>Biochemical Journal</i> , 2009, 421, 29-42.	1.7	436
727	A Drosophila Insulin-like Peptide Promotes Growth during Nonfeeding States. <i>Developmental Cell</i> , 2009, 17, 874-884.	3.1	308
728	System L amino acid transporter inhibitor enhances anti-tumor activity of cisplatin in a head and neck squamous cell carcinoma cell line. <i>Cancer Letters</i> , 2009, 276, 95-101.	3.2	60
729	Down-regulation of c-Src/EGFR-mediated signaling activation is involved in the honokiol-induced cell cycle arrest and apoptosis in MDA-MB-231 human breast cancer cells. <i>Cancer Letters</i> , 2009, 277, 133-140.	3.2	98
730	Overproduction of Cyclin D1 is dependent on activated mTORC1 signal in nasopharyngeal carcinoma: Implication for therapy. <i>Cancer Letters</i> , 2009, 279, 47-56.	3.2	26
731	Role of the Botrytis cinerea FKBP12 ortholog in pathogenic development and in sulfur regulation. <i>Fungal Genetics and Biology</i> , 2009, 46, 308-320.	0.9	26
732	The MpkA MAP kinase module regulates cell wall integrity signaling and pyomelanin formation in <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 909-918.	0.9	146
733	Bidirectional Transport of Amino Acids Regulates mTOR and Autophagy. <i>Cell</i> , 2009, 136, 521-534.	13.5	1,478

#	ARTICLE	IF	CITATIONS
734	An Amino Acid Shuffle Activates mTORC1. <i>Cell</i> , 2009, 136, 399-400.	13.5	45
735	Critical Role for Hypothalamic mTOR Activity in Energy Balance. <i>Cell Metabolism</i> , 2009, 9, 362-374.	7.2	164
736	PGC-1 β in aging and anti-aging interventions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1059-1066.	1.1	134
737	The TOR pathway comes of age. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1067-1074.	1.1	300
738	Deregulation of mTOR signaling is involved in thymic lymphoma development in <i>Atm</i> ^{-/-} mice. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 368-372.	1.0	12
739	Rapamycin inhibits poly(ADP-ribosyl)ation in intact cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 232-236.	1.0	5
740	CCL5 promotes proliferation of MCF-7 cells through mTOR-dependent mRNA translation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 381-386.	1.0	69
741	Silibinin inhibits expression of HIF-1 α through suppression of protein translation in prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 71-76.	1.0	47
742	Th1 α Th2 polarisation and autophagy in the control of intracellular mycobacteria by macrophages. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 37-43.	0.5	59
743	Mammalian target of rapamycin complex 1 (mTORC1) signaling in energy balance and obesity. <i>Physiology and Behavior</i> , 2009, 97, 520-524.	1.0	28
744	Cell signaling in endometrial carcinoma: phosphorylated 4E-binding protein-1 expression in endometrial cancer correlates with aggressive tumors and prognosis. <i>Human Pathology</i> , 2009, 40, 1418-1426.	1.1	45
745	Sfp1 Interaction with TORC1 and Mrs6 Reveals Feedback Regulation on TOR Signaling. <i>Molecular Cell</i> , 2009, 33, 704-716.	4.5	144
746	The Vam6 GEF Controls TORC1 by Activating the EGO Complex. <i>Molecular Cell</i> , 2009, 35, 563-573.	4.5	398
747	Amino Acid Signaling to TOR Activation: Vam6 Functioning as a Ctr1 GEF. <i>Molecular Cell</i> , 2009, 35, 543-545.	4.5	14
748	The coordination of nuclear and mitochondrial communication during aging and calorie restriction. <i>Ageing Research Reviews</i> , 2009, 8, 173-188.	5.0	181
749	mTORC1 Phosphorylates the ULK1-mAtg13-FIP200 Autophagy Regulatory Complex. <i>Science Signaling</i> , 2009, 2, pe51.	1.6	182
750	Autophagy: Regulation and role in disease. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2009, 46, 210-240.	2.7	176
751	PRAS40: Target or modulator of mTORC1 signalling and insulin action?. <i>Archives of Physiology and Biochemistry</i> , 2009, 115, 163-175.	1.0	29

#	ARTICLE	IF	CITATIONS
752	A complex interplay between Akt, TSC2 and the two mTOR complexes. <i>Biochemical Society Transactions</i> , 2009, 37, 217-222.	1.6	623
753	Autophagy: from basic science to clinical application. <i>Mucosal Immunology</i> , 2009, 2, 315-330.	2.7	38
754	Tumor suppressors and cell metabolism: a recipe for cancer growth. <i>Genes and Development</i> , 2009, 23, 537-548.	2.7	868
755	Proteomic analysis of phosphoproteins sensitive to a phosphatidylinositol 3-kinase inhibitor, ZSTK474, by using SELDI-TOF MS. <i>Proteome Science</i> , 2009, 7, 14.	0.7	3
756	Antifungal Targets, Mechanisms of Action, and Resistance in <i>Candida albicans</i> . , 2009, , 347-407.		5
757	Targeting the PI3K/AKT/mTOR signaling network in acute myelogenous leukemia. <i>Expert Opinion on Investigational Drugs</i> , 2009, 18, 1333-1349.	1.9	104
758	Regulation of Tissue Growth through Nutrient Sensing. <i>Annual Review of Genetics</i> , 2009, 43, 389-410.	3.2	265
759	Chapter 11 Monitoring Mammalian Target of Rapamycin (mTOR) Activity. <i>Methods in Enzymology</i> , 2009, 452, 165-180.	0.4	54
760	The impact of flavonoids on memory: physiological and molecular considerations. <i>Chemical Society Reviews</i> , 2009, 38, 1152.	18.7	181
761	Polycystins and Primary Cilia: Primers for Cell Cycle Progression. <i>Annual Review of Physiology</i> , 2009, 71, 83-113.	5.6	202
762	Photodynamic Therapy Targets the mTOR Signaling Network in Vitro and in Vivo. <i>Molecular Pharmaceutics</i> , 2009, 6, 255-264.	2.3	33
764	Mannâ€“Whitney U-test. , 2008, , 1764-1764.		0
765	Discovery of Potent and Selective Inhibitors of the Mammalian Target of Rapamycin (mTOR) Kinase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7081-7089.	2.9	54
766	PTEN and the PI3-Kinase Pathway in Cancer. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2009, 4, 127-150.	9.6	992
767	Chapter 12 Serine Kinases of Insulin Receptor Substrate Proteins. <i>Vitamins and Hormones</i> , 2009, 80, 313-349.	0.7	38
769	Use of Rapamycin in the Induction of Tolerogenic Dendritic Cells. <i>Handbook of Experimental Pharmacology</i> , 2009, , 215-232.	0.9	70
770	Mechanisms of Growth and Homeostasis in the <i>Drosophila</i> Wing. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 197-220.	4.0	82
771	The Molecular Basis of Organ Formation: Insights From the <i>C. elegans</i> Foregut. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 597-628.	4.0	56

#	ARTICLE	IF	CITATIONS
772	Constitutive Activation of Beta-Catenin in Uterine Stroma and Smooth Muscle Leads to the Development of Mesenchymal Tumors in Mice1. <i>Biology of Reproduction</i> , 2009, 81, 545-552.	1.2	129
773	Mammalian Target of Rapamycin Is Activated in Association with Myometrial Proliferation during Pregnancy. <i>Endocrinology</i> , 2009, 150, 4672-4680.	1.4	54
774	The endosymbiont <i>Wolbachia</i> increases insulin/IGF-like signalling in <i>Drosophila</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3799-3807.	1.2	110
775	mTOR inhibition and adult T-cell leukemia. <i>Leukemia and Lymphoma</i> , 2009, 50, 645-647.	0.6	7
776	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
777	Caspase-independent Mitochondrial Cell Death Results from Loss of Respiration, Not Cytotoxic Protein Release. <i>Molecular Biology of the Cell</i> , 2009, 20, 4871-4884.	0.9	105
778	Metabolic adaptation of skeletal muscle to high altitude hypoxia: how new technologies could resolve the controversies. <i>Genome Medicine</i> , 2009, 1, 117.	3.6	98
779	The signal pathways in azoxymethane-induced colon cancer and preventive implications. <i>Cancer Biology and Therapy</i> , 2009, 8, 1313-1317.	1.5	148
780	Resveratrol inhibits the mTOR mitogenic signaling evoked by oxidized LDL in smooth muscle cells. <i>Atherosclerosis</i> , 2009, 205, 126-134.	0.4	100
781	Fuel utilization by hypothalamic neurons: roles for ROS. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 78-87.	3.1	129
782	The multiple facets of mTOR in immunity. <i>Trends in Immunology</i> , 2009, 30, 218-226.	2.9	241
783	Renal cell cancer: clinical presentation and prognosis" part I. <i>Community Oncology</i> , 2009, 6, 24-28.	0.2	0
784	Molecular Characterization of Preneoplastic Lesions Provides Insight on the Development of Renal Tumors. <i>American Journal of Pathology</i> , 2009, 175, 1686-1698.	1.9	19
785	Carbachol induces p70S6K1 activation through an ERK-dependent but Akt-independent pathway in human colonic epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 521-524.	1.0	16
786	Everolimus, a promising medical therapy for coronary heart disease?. <i>Medical Hypotheses</i> , 2009, 73, 153-155.	0.8	10
787	Nutrient-dependent mTORC1 Association with the ULK1" Atg13" FIP200 Complex Required for Autophagy. <i>Molecular Biology of the Cell</i> , 2009, 20, 1981-1991.	0.9	1,743
788	Differential Requirement of mTOR in Postmitotic Tissues and Tumorigenesis. <i>Science Signaling</i> , 2009, 2, ra2.	1.6	64
789	Nutrition and Bone Growth in Pediatrics. <i>Endocrinology and Metabolism Clinics of North America</i> , 2009, 38, 565-586.	1.2	16

#	ARTICLE	IF	CITATIONS
790	Targeting the mTOR Signaling Network for Cancer Therapy. <i>Journal of Clinical Oncology</i> , 2009, 27, 2278-2287.	0.8	587
791	Autophagy, immunity and human disease. <i>Current Opinion in Gastroenterology</i> , 2009, 25, 512-520.	1.0	35
792	Expression of mTOR pathway proteins in human amniotic fluid stem cells. <i>International Journal of Molecular Medicine</i> , 2009, 23, 779-84.	1.8	11
793	Collagen. , 2009, , 141-160.		0
794	Hepatic protein kinase B (Akt)â€™target of rapamycin (TOR)-signalling pathways and intermediary metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>) are not significantly affected by feeding plant-based diets. <i>British Journal of Nutrition</i> , 2009, 102, 1564.	1.2	77
795	Autophagy is required for extension of yeast chronological life span by rapamycin. <i>Autophagy</i> , 2009, 5, 847-849.	4.3	174
796	Activation of mTORC1 in two steps: Rheb-GTP activation of catalytic function and increased binding of substrates to raptor1. <i>Biochemical Society Transactions</i> , 2009, 37, 223-226.	1.6	59
797	Overexpression of Rheb2 enhances mouse hematopoietic progenitor cell growth while impairing stem cell repopulation. <i>Blood</i> , 2009, 114, 3392-3401.	0.6	35
798	Nutrient-dependent regulation of autophagy through the target of rapamycin pathway. <i>Biochemical Society Transactions</i> , 2009, 37, 232-236.	1.6	146
799	Amino acid sensing and mTOR regulation: inside or out?. <i>Biochemical Society Transactions</i> , 2009, 37, 248-252.	1.6	45
800	TOR signalling regulates mitotic commitment through stress-activated MAPK and Polo kinase in response to nutrient stress. <i>Biochemical Society Transactions</i> , 2009, 37, 273-277.	1.6	30
801	A new player in the orchestra of cell growth: SREBP activity is regulated by mTORC1 and contributes to the regulation of cell and organ size. <i>Biochemical Society Transactions</i> , 2009, 37, 278-283.	1.6	83
802	Placental mTOR links maternal nutrient availability to fetal growth. <i>Biochemical Society Transactions</i> , 2009, 37, 295-298.	1.6	132
804	Class IA Phosphatidylinositol 3-Kinase Signaling in Non-small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2009, 4, 787-791.	0.5	30
805	Emerging evidence of a link between the polycystins and the mTOR pathways. <i>PathoGenetics</i> , 2009, 2, 6.	5.7	72
806	Kinases as Upstream Regulators of the HIF System: Their Emerging Potential as Anti-Cancer Drug Targets. <i>Current Pharmaceutical Design</i> , 2009, 15, 3867-3877.	0.9	35
807	Mouse Models to Decipher the PI3K Signaling Network in Human Cancer. <i>Current Molecular Medicine</i> , 2009, 9, 612-625.	0.6	19
808	Diabetes, Oxidative Stress, Nitric Oxide and Mitochondria Function. <i>Current Diabetes Reviews</i> , 2009, 5, 120-144.	0.6	109

#	ARTICLE	IF	CITATIONS
809	Coordination of Ribosomal Protein and Ribosomal RNA Gene Expression in Response to TOR Signaling. <i>Current Genomics</i> , 2009, 10, 198-205.	0.7	65
810	Recent Patents and Patent Applications Relating to mTOR Pathway. <i>Recent Patents on DNA & Gene Sequences</i> , 2009, 3, 44-52.	0.7	2
811	The Biological Role of mTOR in the Pathogenesis of Solid Tumors: An Overview. <i>Current Enzyme Inhibition</i> , 2009, 5, 51-65.	0.3	0
812	mTOR in Growth and Protection of Hypertrophying Myocardium. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2009, 7, 52-63.	0.4	44
813	Targeting Sarcomas: Novel Biological Agents and Future Perspectives. <i>Current Drug Targets</i> , 2009, 10, 937-949.	1.0	22
814	Early Progenitor Cell Marker Expression Distinguishes Type II From Type I Focal Cortical Dysplasias. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 850-863.	0.9	72
815	The TOR-Mediated Regulation of Autophagy in the Yeast <i>Saccharomyces cerevisiae</i> . <i>The Enzymes</i> , 2010, , 143-165.	0.7	1
816	Hepatic Endoderm Differentiation from Human Embryonic Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2010, 5, 233-244.	0.6	12
817	Management of Intractable Hypoglycemia With Yttrium-90 Radioembolization in a Patient With Malignant Insulinoma. <i>American Journal of the Medical Sciences</i> , 2010, 340, 414-417.	0.4	18
818	Novel regulators and drug targets of cardiac hypertrophy. <i>Journal of Hypertension</i> , 2010, 28, S33-S38.	0.3	32
819	Evaluation of the mTOR pathway in ocular (uvea and conjunctiva) melanoma. <i>Melanoma Research</i> , 2010, 20, 107-117.	0.6	67
820	Distinct Immunohistochemical Phenotype of Nonmelanoma Skin Cancers Between Renal Transplant and Immunocompetent Populations. <i>Transplantation</i> , 2010, 90, 986-992.	0.5	20
821	The selective elimination of messenger RNA underlies the mitosis-meiosis switch in fission yeast. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010, 86, 788-797.	1.6	45
822	mTORC1 and mTORC2 in Energy Homeostasis. <i>The Enzymes</i> , 2010, 28, 263-278.	0.7	2
824	The ins and outs of nuclear re-export of retrogradely transported tRNAs in <i>Saccharomyces cerevisiae</i> . <i>Nucleus</i> , 2010, 1, 224-230.	0.6	13
825	Essential Amino Acids Improve Insulin Activation of Akt/mTOR Signaling in Soleus Muscle of Aged Rats. <i>International Journal of Immunopathology and Pharmacology</i> , 2010, 23, 81-89.	1.0	15
827	AGC Kinases in mTOR Signaling. <i>The Enzymes</i> , 2010, 27, 101-128.	0.7	1
828	mTOR Signaling by Amino Acid Nutrients. <i>The Enzymes</i> , 2010, , 77-97.	0.7	1

#	ARTICLE	IF	CITATIONS
829	TOR Signaling and Aging. <i>The Enzymes</i> , 2010, , 279-299.	0.7	5
830	Systems Biology and TOR. <i>The Enzymes</i> , 2010, 28, 317-348.	0.7	1
831	Evolution of the TSC1/TSC2-TOR Signaling Pathway. <i>Science Signaling</i> , 2010, 3, ra49.	1.6	43
832	Targeting the translational machinery as a novel treatment strategy for hematologic malignancies. <i>Blood</i> , 2010, 115, 2127-2135.	0.6	84
833	Circulating microvesicles in B-cell chronic lymphocytic leukemia can stimulate marrow stromal cells: implications for disease progression. <i>Blood</i> , 2010, 115, 1755-1764.	0.6	208
834	Involvement of autophagy via mammalian target of rapamycin (mTOR) inhibition in tributyltin-induced neuronal cell death. <i>Journal of Toxicological Sciences</i> , 2010, 35, 245-251.	0.7	30
835	ã,1ã,ã,1é€é, ã,ãfãfãf1/4ãf-ãSã-ãSã©ç•TMã-ç”Yæ»ã†°èŠ1/2é...µæã©TORã,ã,°ãfŠãfãf3ã,°ã«é-ããTMã,«ç”ç©¶. Kagaku To Seibutsu, 2010, 48, 107-112.		
836	Phosphorylated mTOR Expression is Associated with Poor Prognosis for Patients with Esophageal Squamous Cell Carcinoma. <i>Annals of Surgical Oncology</i> , 2010, 17, 2486-2493.	0.7	60
837	Approaching Ewing sarcoma. <i>Future Oncology</i> , 2010, 6, 1155-1162.	1.1	17
838	Chronotherapy and the molecular clock: Clinical implications in oncologyã~†. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 979-1001.	6.6	139
839	A Global Protein Kinase and Phosphatase Interaction Network in Yeast. <i>Science</i> , 2010, 328, 1043-1046.	6.0	608
841	Energy Signaling in the Regulation of Gene Expression during Stress. <i>Molecular Plant</i> , 2010, 3, 300-313.	3.9	143
842	Proteomics: a strategy to understand the novel targets in protein misfolding and cancer therapy. <i>Expert Review of Proteomics</i> , 2010, 7, 613-623.	1.3	27
843	Sestrin as a Feedback Inhibitor of TOR That Prevents Age-Related Pathologies. <i>Science</i> , 2010, 327, 1223-1228.	6.0	512
844	Expression of an activated mammalian target of rapamycin (mTOR) in gastroenteropancreatic neuroendocrine tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 889-893.	1.1	80
845	Autophagosome formation in mammalian cells. <i>Seminars in Immunopathology</i> , 2010, 32, 397-413.	2.8	121
846	TORC1 kinase and the S-phase cyclin Clb5 collaborate to promote mitotic spindle assembly and DNA replication in <i>S. cerevisiae</i> . <i>Current Genetics</i> , 2010, 56, 479-493.	0.8	6
847	Key factors in mTOR regulation. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 239-253.	2.4	111

#	ARTICLE	IF	CITATIONS
848	Methylglyoxal activates Gcn2 to phosphorylate eIF2 \pm independently of the TOR pathway in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1887-1894.	1.7	35
849	Effects of calorie restriction on life span of microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 817-828.	1.7	29
850	The mTOR Kinase Determines Effector versus Memory CD8+ T Cell Fate by Regulating the Expression of Transcription Factors T-bet and Eomesodermin. <i>Immunity</i> , 2010, 32, 67-78.	6.6	560
851	A mechanistic model of nutritional control of protein synthesis in animal tissues. <i>Journal of Theoretical Biology</i> , 2010, 262, 361-369.	0.8	10
852	Reproductive Fitness and Dietary Choice Behavior of the Genetic Model Organism <i>Caenorhabditis elegans</i> under Semi-Natural Conditions. <i>Molecules and Cells</i> , 2010, 30, 347-354.	1.0	16
853	Lysosomal accumulation of mTOR is enhanced by rapamycin. <i>Histochemistry and Cell Biology</i> , 2010, 134, 537-544.	0.8	20
854	mTOR phosphorylated at S2448 binds to raptor and rictor. <i>Amino Acids</i> , 2010, 38, 223-228.	1.2	129
855	Integration of insulin and amino acid signals that regulate hepatic metabolism-related gene expression in rainbow trout: role of TOR. <i>Amino Acids</i> , 2010, 39, 801-810.	1.2	123
856	Phosphorylation of Rictor at Thr1135 impairs the Rictor/Cullin-1 complex to ubiquitinate SGK1. <i>Protein and Cell</i> , 2010, 1, 881-885.	4.8	16
857	Targeting mTOR in cancer: renal cell is just a beginning. <i>Targeted Oncology</i> , 2010, 5, 269-280.	1.7	35
859	Melatonin protects N2a against ischemia/reperfusion injury through autophagy enhancement. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2010, 30, 1-7.	1.0	42
860	Regulating functional cell fates in CD8 T cells. <i>Immunologic Research</i> , 2010, 46, 12-22.	1.3	51
861	Phase I study of the oral mammalian target of rapamycin inhibitor everolimus (RAD001) in Japanese patients with relapsed or refractory non-Hodgkin lymphoma. <i>International Journal of Hematology</i> , 2010, 92, 563-570.	0.7	23
862	Inhibition of cancer cell invasion and metastasis by genistein. <i>Cancer and Metastasis Reviews</i> , 2010, 29, 465-482.	2.7	180
863	BACE and β -Secretase Characterization and Their Sorting as Therapeutic Targets to Reduce Amyloidogenesis. <i>Neurochemical Research</i> , 2010, 35, 181-210.	1.6	35
864	Functional characterization of the translationally controlled tumor protein (TCTP) gene associated with growth and defense response in cabbage. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 103, 217-226.	1.2	39
865	Mammalian target of rapamycin (mTOR) regulates TLR3 induced cytokines in human oral keratinocytes. <i>Molecular Immunology</i> , 2010, 48, 294-304.	1.0	58
866	Pharmacological inhibition of the mammalian target of rapamycin pathway suppresses acquired epilepsy. <i>Neurobiology of Disease</i> , 2010, 40, 193-199.	2.1	218

#	ARTICLE	IF	CITATIONS
867	Sugar signals and molecular networks controlling plant growth. <i>Current Opinion in Plant Biology</i> , 2010, 13, 273-278.	3.5	518
868	Regulatory crosstalk of the metabolic network. <i>Trends in Biochemical Sciences</i> , 2010, 35, 220-227.	3.7	94
869	Glutamine addiction: a new therapeutic target in cancer. <i>Trends in Biochemical Sciences</i> , 2010, 35, 427-433.	3.7	1,422
870	Glucose metabolism in mammalian cell culture: new insights for tweaking vintage pathways. <i>Trends in Biotechnology</i> , 2010, 28, 476-484.	4.9	106
871	Coordinated control of the gene expression machinery. <i>Trends in Genetics</i> , 2010, 26, 214-220.	2.9	49
872	Deciphering the Role of PI3K/Akt/mTOR Pathway in Breast Cancer Biology and Pathogenesis. <i>Clinical Breast Cancer</i> , 2010, 10, S59-S65.	1.1	116
873	Activated mammalian target of rapamycin is a potential therapeutic target in gastric cancer. <i>BMC Cancer</i> , 2010, 10, 536.	1.1	35
874	Antiproliferation of cardamonin is involved in mTOR on aortic smooth muscle cells in high fructose-induced insulin resistance rats. <i>European Journal of Pharmacology</i> , 2010, 641, 179-186.	1.7	37
875	Prolidase-dependent regulation of TGF α and TGF β 2 receptor expressions in human skin fibroblasts. <i>European Journal of Pharmacology</i> , 2010, 649, 115-119.	1.7	29
876	How increased oxidative stress promotes longevity and metabolic health: The concept of mitochondrial hormesis (mitohormesis). <i>Experimental Gerontology</i> , 2010, 45, 410-418.	1.2	650
877	Sex Peptide Receptor and Neuronal TOR/S6K Signaling Modulate Nutrient Balancing in <i>Drosophila</i> . <i>Current Biology</i> , 2010, 20, 1000-1005.	1.8	293
878	A Role for S6 Kinase and Serotonin in Postmating Dietary Switch and Balance of Nutrients in <i>D. melanogaster</i> . <i>Current Biology</i> , 2010, 20, 1006-1011.	1.8	166
879	Sexual Behavior: Dietary Food Switch Induced by Sex. <i>Current Biology</i> , 2010, 20, R474-R476.	1.8	17
880	Circadian Clocks and Metabolism: The Nutrient-Sensing AKT and TOR Pathways Make the Link. <i>Current Biology</i> , 2010, 20, R608-R609.	1.8	13
881	Rab-Family GTPase Regulates TOR Complex 2 Signaling in Fission Yeast. <i>Current Biology</i> , 2010, 20, 1975-1982.	1.8	59
882	Implication of RICTOR in the mTOR inhibitor-mediated induction of insulin-like growth factor-1 receptor (IGF-IR) and human epidermal growth factor receptor-2 (Her2) expression in gastrointestinal cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 435-442.	1.9	45
883	mTOR inhibitor everolimus ameliorates progressive tubular dysfunction in chronic renal failure rats. <i>Biochemical Pharmacology</i> , 2010, 79, 67-76.	2.0	25
884	Molecularly targeted therapy in hepatocellular carcinoma. <i>Biochemical Pharmacology</i> , 2010, 80, 550-560.	2.0	110

#	ARTICLE	IF	CITATIONS
885	Kisspeptins: Bridging energy homeostasis and reproduction. <i>Brain Research</i> , 2010, 1364, 129-138.	1.1	152
886	Specific Killing of Rb Mutant Cancer Cells by Inactivating TSC2. <i>Cancer Cell</i> , 2010, 17, 469-480.	7.7	71
887	FoxOs Enforce a Progression Checkpoint to Constrain mTORC1-Activated Renal Tumorigenesis. <i>Cancer Cell</i> , 2010, 18, 472-484.	7.7	127
888	The role of the Atg1/ULK1 complex in autophagy regulation. <i>Current Opinion in Cell Biology</i> , 2010, 22, 132-139.	2.6	934
889	Multi-mechanisms are involved in reactive oxygen species regulation of mTORC1 signaling. <i>Cellular Signalling</i> , 2010, 22, 1469-1476.	1.7	84
890	tRNAs: Cellular barcodes for amino acids. <i>FEBS Letters</i> , 2010, 584, 387-395.	1.3	68
891	Regulation of autophagy by phosphatidylinositol 3-phosphate. <i>FEBS Letters</i> , 2010, 584, 1302-1312.	1.3	190
892	mTOR regulation of autophagy. <i>FEBS Letters</i> , 2010, 584, 1287-1295.	1.3	1,790
893	Loss of manganese superoxide dismutase leads to abnormal growth and signal transduction in mouse embryonic fibroblasts. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1255-1262.	1.3	40
894	Viral interactions with macroautophagy: A double-edged sword. <i>Virology</i> , 2010, 402, 1-10.	1.1	61
895	Integrative neurobiology of energy homeostasis-neurocircuits, signals and mediators. <i>Frontiers in Neuroendocrinology</i> , 2010, 31, 4-15.	2.5	95
896	Therapeutic mTOR Inhibition in Autosomal Dominant Polycystic Kidney Disease: What Is the Appropriate Serum Level?. <i>American Journal of Transplantation</i> , 2010, 10, 1710-1715.	2.6	64
897	Cycling through metabolism. <i>EMBO Molecular Medicine</i> , 2010, 2, 338-348.	3.3	78
898	Selective targeting of neuroblastoma tumour-initiating cells by compounds identified in stem cell-based small molecule screens. <i>EMBO Molecular Medicine</i> , 2010, 2, 371-384.	3.3	62
899	Stressin' Sestrins take an aging fight. <i>EMBO Molecular Medicine</i> , 2010, 2, 388-400.	3.3	189
900	Serotonin promotes tumor growth in human hepatocellular cancer. <i>Hepatology</i> , 2010, 51, 1244-1254.	3.6	182
901	Mammalian target of rapamycin regulates vascular endothelial growth factor-dependent liver cyst growth in polycystin-2-defective mice. <i>Hepatology</i> , 2010, 51, 1778-1788.	3.6	87
902	Autophagy at the gut interface: Mucosal responses to stress and the consequences for inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 152-174.	0.9	23

#	ARTICLE	IF	CITATIONS
903	Alcohol and PRAS40 knockdown decrease mTOR activity and protein synthesis via AMPK signaling and changes in mTORC1 interaction. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 1172-1184.	1.2	49
904	VEGF stimulation enhances livin protein synthesis through mTOR signaling. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1114-1124.	1.2	14
905	Dynamic Lkb1â€”TORC1 signaling as a possible mechanism for regulating the endodermâ€”intestine transition. <i>Developmental Dynamics</i> , 2010, 239, 3000-3012.	0.8	10
906	Regulation of the autophagic machinery in human neutrophils. <i>European Journal of Immunology</i> , 2010, 40, 1461-1472.	1.6	118
907	The big and small of it: How body size evolves. <i>American Journal of Physical Anthropology</i> , 2010, 143, 46-62.	2.1	25
908	Reversible Dimerization of EGFR Revealed by Singleâ€”Molecule Fluorescence Imaging Using Quantum Dots. <i>Chemistry - A European Journal</i> , 2010, 16, 1186-1192.	1.7	75
909	Rapamycin regulates Akt and ERK phosphorylation through mTORC1 and mTORC2 signaling pathways. <i>Molecular Carcinogenesis</i> , 2010, 49, 603-610.	1.3	88
910	High glucose regulates cyclin D1/E of human mesenchymal stem cells through TGFâ€” 1 expression via Ca^{2+} /PKC/MAPKs and PI3K/Akt/mTOR signal pathways. <i>Journal of Cellular Physiology</i> , 2010, 224, 59-70.	2.0	63
911	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
912	Immune Dysfunction in Autism: A Pathway to Treatment. <i>Neurotherapeutics</i> , 2010, 7, 283-292.	2.1	138
913	mTOR inhibitor RAD001 (Everolimus) enhances the effects of imatinib in chronic myeloid leukemia by raising the nuclear expression of c-ABL protein. <i>Leukemia Research</i> , 2010, 34, 641-648.	0.4	29
914	Nutritional control of gene expression in <i>Drosophila</i> larvae via TOR, Myc and a novel cis-regulatory element. <i>BMC Cell Biology</i> , 2010, 11, 7.	3.0	63
915	A genetic screen for modifiers of <i>Drosophila</i> caspase Dcp-1 reveals caspase involvement in autophagy and novel caspase-related genes. <i>BMC Cell Biology</i> , 2010, 11, 9.	3.0	28
916	AMPK-induced activation of Akt by AICAR is mediated by IGF-1R dependent and independent mechanisms in acute lymphoblastic leukemia. <i>Journal of Molecular Signaling</i> , 2010, 5, 15.	0.5	73
917	A quantitative model for mRNA translation in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2010, 27, 785-800.	0.8	16
918	Recent advances in vertebrate aging research 2009. <i>Aging Cell</i> , 2010, 9, 297-303.	3.0	12
919	<i>drâ€”2</i> encodes an eIF4H that acts downstream of TOR in dietâ€”restrictionâ€”induced longevity of <i>C.Âlegans</i> . <i>Aging Cell</i> , 2010, 9, 545-557.	3.0	50
920	Comparing the yeast retrograde response and NFâ€” κ B stress responses: implications for aging. <i>Aging Cell</i> , 2010, 9, 933-941.	3.0	59

#	ARTICLE	IF	CITATIONS
921	The complex interplay between autophagy, apoptosis, and necrotic signals promotes Tâ€cell homeostasis. <i>Immunological Reviews</i> , 2010, 236, 95-109.	2.8	94
922	The protein kinase CaSch9p is required for the cell growth, filamentation and virulence in the human fungal pathogen <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2010, 10, 462-470.	1.1	40
923	How <i>Saccharomyces cerevisiae</i> copes with toxic metals and metalloids. <i>FEMS Microbiology Reviews</i> , 2010, 34, 925-951.	3.9	254
924	Stem cell marker upregulation in normal cutaneous vessels following pulsedâ€dye laser exposure and its abrogation by concurrent rapamycin administration: implications for treatment of portâ€wine stain birthmarks. <i>Journal of Cutaneous Pathology</i> , 2010, 37, 76-82.	0.7	34
925	Novel classification based on immunohistochemistry combined with hierarchical clustering analysis in nonâ€functioning neuroendocrine tumor patients. <i>Cancer Science</i> , 2010, 101, 2278-2285.	1.7	10
926	Role of Nâ€end rule ubiquitin ligases UBR1 and UBR2 in regulating the leucineâ€mTOR signaling pathway. <i>Genes To Cells</i> , 2010, 15, 339-349.	0.5	42
927	Two <i>Tor</i> genes in the silkworm <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2010, 19, 727-735.	1.0	27
928	Oestrogen imprinting causes nuclear changes in epithelial cells and overall inhibition of gene transcription and protein synthesis in rat ventral prostate. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 675-685.	3.6	9
929	The AGC Ser/Thr kinase Aga1 is essential for appressorium formation and maintenance of the actin cytoskeleton in the smut fungus <i>Ustilago maydis</i> . <i>Molecular Microbiology</i> , 2010, 78, 1484-1499.	1.2	15
930	GSK3 signalling in neural development. <i>Nature Reviews Neuroscience</i> , 2010, 11, 539-551.	4.9	713
931	Novel pathway in Bcr-Abl signal transduction involves Akt-independent, PLC-Î³1-driven activation of mTOR/p70S6-kinase pathway. <i>Oncogene</i> , 2010, 29, 739-751.	2.6	54
932	Rictor is a novel target of p70 S6 kinase-1. <i>Oncogene</i> , 2010, 29, 1003-1016.	2.6	137
933	Embryoid body formation of human amniotic fluid stem cells depends on mTOR. <i>Oncogene</i> , 2010, 29, 966-977.	2.6	74
934	Targeting mTOR: prospects for mTOR complex 2 inhibitors in cancer therapy. <i>Oncogene</i> , 2010, 29, 3733-3744.	2.6	283
935	Proton-assisted amino-acid transporters are conserved regulators of proliferation and amino-acid-dependent mTORC1 activation. <i>Oncogene</i> , 2010, 29, 4068-4079.	2.6	132
936	Single amino-acid changes that confer constitutive activation of mTOR are discovered in human cancer. <i>Oncogene</i> , 2010, 29, 2746-2752.	2.6	185
937	A novel inhibitor of the PI3K/Akt pathway based on the structure of inositol 1,3,4,5,6-pentakisphosphate. <i>British Journal of Cancer</i> , 2010, 102, 104-114.	2.9	54
938	The serine/threonine kinase LKB1 controls thymocyte survival through regulation of AMPK activation and Bcl-XL expression. <i>Cell Research</i> , 2010, 20, 99-108.	5.7	57

#	ARTICLE	IF	CITATIONS
939	Arabidopsis S6 kinase mutants display chromosome instability and altered RBR1â€E2F pathway activity. EMBO Journal, 2010, 29, 2979-2993.	3.5	98
940	Hydrogen peroxide inhibits mTOR signaling by activation of AMPK± leading to apoptosis of neuronal cells. Laboratory Investigation, 2010, 90, 762-773.	1.7	207
941	Lessons on longevity from budding yeast. Nature, 2010, 464, 513-519.	13.7	382
942	Termination of autophagy and reformation of lysosomes regulated by mTOR. Nature, 2010, 465, 942-946.	13.7	1,303
943	Chemical genetics screen for enhancers of rapamycin identifies a specific inhibitor of an SCF family E3 ubiquitin ligase. Nature Biotechnology, 2010, 28, 738-742.	9.4	132
944	An allosteric inhibitor of substrate recognition by the SCFCdc4 ubiquitin ligase. Nature Biotechnology, 2010, 28, 733-737.	9.4	136
945	Detection and fine mapping of quantitative trait loci for bone traits on chicken chromosome one. Journal of Animal Breeding and Genetics, 2010, 127, 462-468.	0.8	19
946	Constitutive and induced functions of the p53 gene. Biochemistry (Moscow), 2010, 75, 1692-1721.	0.7	12
947	The receptor for advanced glycation end products (RAGE) sustains autophagy and limits apoptosis, promoting pancreatic tumor cell survival. Cell Death and Differentiation, 2010, 17, 666-676.	5.0	281
948	Inducible somatic oocyte destruction in response to rapamycin requires wild-type regulation of follicle cell epithelial polarity. Cell Death and Differentiation, 2010, 17, 1717-1727.	5.0	19
949	Primary cilia regulate mTORC1 activity and cell size through Lkb1. Nature Cell Biology, 2010, 12, 1115-1122.	4.6	330
950	Targeting metabolic transformation for cancer therapy. Nature Reviews Cancer, 2010, 10, 267-277.	12.8	969
951	The engine driving the ship: metabolic steering of cell proliferation and death. Nature Reviews Molecular Cell Biology, 2010, 11, 715-727.	16.1	193
952	Effect of protein intake on bone and muscle mass in the elderly. Nutrition Reviews, 2010, 68, 616-623.	2.6	71
953	The tuberous sclerosis complex. Annals of the New York Academy of Sciences, 2010, 1184, 87-105.	1.8	344
954	The role of mTOR in memory CD8⁺ Tâ€cell differentiation. Immunological Reviews, 2010, 235, 234-243.	2.8	157
955	Glucose regulation of <i>Î²</i>â€cell stress in type 2 diabetes. Diabetes, Obesity and Metabolism, 2010, 12, 66-75.	2.2	42
956	mTOR inhibition: the learning curve in kidney transplantation. Transplant International, 2010, 23, 447-460.	0.8	28

#	ARTICLE	IF	CITATIONS
957	The Role of Chemokines in Migration of Metastatic-like Lymphangioliomyomatosis Cells. <i>Critical Reviews in Immunology</i> , 2010, 30, 387-394.	1.0	10
958	Treatment Options in Metastatic Renal Cell Carcinoma: Focus on mTOR Inhibitors. <i>Clinical Medicine Insights: Oncology</i> , 2010, 4, CMO.S1590.	0.6	13
959	Temsirolimus in the treatment of relapsed and/or refractory mantle cell lymphoma. <i>Cancer Management and Research</i> , 2010, 2, 181.	0.9	10
961	Signaling Pathways that Mediate Translational Control of Ribosome Recruitment to mRNA. , 2010, , 2335-2341.		1
962	The exercised skeletal muscle: a review. <i>European Journal of Translational Myology</i> , 2010, 20, 105.	0.8	24
963	The SREBP Pathway. , 2010, , 2505-2510.		1
964	Systems Biology: The Next Frontier for Bioinformatics. <i>Advances in Bioinformatics</i> , 2010, 2010, 1-10.	5.7	51
965	The Translation Regulatory Subunit eIF3f Controls the Kinase-Dependent mTOR Signaling Required for Muscle Differentiation and Hypertrophy in Mouse. <i>PLoS ONE</i> , 2010, 5, e8994.	1.1	86
966	Raptor is Phosphorylated by cdc2 during Mitosis. <i>PLoS ONE</i> , 2010, 5, e9197.	1.1	60
967	Loss of Hepatocyte-Nuclear-Factor-1 \pm Impacts on Adult Mouse Intestinal Epithelial Cell Growth and Cell Lineages Differentiation. <i>PLoS ONE</i> , 2010, 5, e12378.	1.1	24
968	Suppression of Lung Tumorigenesis by Leucine Zipper/EF Hand \hat{e} Containing Transmembrane-1. <i>PLoS ONE</i> , 2010, 5, e12535.	1.1	28
969	mTORC1-S6K Activation by Endotoxin Contributes to Cytokine Up-Regulation and Early Lethality in Animals. <i>PLoS ONE</i> , 2010, 5, e14399.	1.1	22
970	Translational Up-Regulation and High-Level Protein Expression from Plasmid Vectors by mTOR Activation via Different Pathways in PC3 and 293T Cells. <i>PLoS ONE</i> , 2010, 5, e14408.	1.1	6
971	Renal Cell Carcinoma: Focus on Safety and Efficacy of Temsirolimus. <i>Clinical Medicine Insights: Oncology</i> , 2010, 4, CMO.S4482.	0.6	38
972	New stent design for use in small coronary arteries during percutaneous coronary intervention. <i>Medical Devices: Evidence and Research</i> , 2010, 3, 57.	0.4	2
973	Phosphoinositide 3-Kinases. , 2010, , 1049-1060.		5
974	10. Perspectives in the Development of Novel Treatment Approaches. <i>Tumori</i> , 2010, 96, 858-873.	0.6	0
975	Phosphorylated Akt and Phosphorylated mTOR Expression in Breast Invasive Carcinomas: Analysis of 530 Cases. <i>Journal of Breast Cancer</i> , 2010, 13, 337.	0.8	6

#	ARTICLE	IF	CITATIONS
977	Attenuated mTOR Signaling and Enhanced Autophagy in Adipocytes from Obese Patients with Type 2 Diabetes. <i>Molecular Medicine</i> , 2010, 16, 235-246.	1.9	238
978	Why men age faster but reproduce longer than women: mTOR and evolutionary perspectives. <i>Aging</i> , 2010, 2, 265-273.	1.4	78
979	An Emerging Role for IQGAP1 in Regulating Protein Traffic. <i>Scientific World Journal</i> , The, 2010, 10, 944-953.	0.8	29
980	Topics in Transplantation Medicine for General Nephrologists. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1518-1529.	2.2	0
981	The Late Endosome is Essential for mTORC1 Signaling. <i>Molecular Biology of the Cell</i> , 2010, 21, 833-841.	0.9	151
982	Interactome Mapping of the Phosphatidylinositol 3-Kinase-Mammalian Target of Rapamycin Pathway Identifies Deformed Epidermal Autoregulatory Factor-1 as a New Glycogen Synthase Kinase-3 Interactor. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1578-1593.	2.5	51
983	Signaling pathways in renal cell carcinoma. <i>Cancer Biology and Therapy</i> , 2010, 10, 658-664.	1.5	173
984	Sirolimus and Temsirolimus for Epithelioid Angiomyolipoma. <i>Journal of Clinical Oncology</i> , 2010, 28, e65-e68.	0.8	56
985	Burn Out or Fade Away?. <i>Science</i> , 2010, 327, 1210-1211.	6.0	11
986	TSC1/2 tumour suppressor complex maintains <i>Drosophila</i> germline stem cells by preventing differentiation. <i>Development (Cambridge)</i> , 2010, 137, 2461-2469.	1.2	66
987	TOR-dependent reduction in the expression level of Rrn3p lowers the activity of the yeast RNA Pol I machinery, but does not account for the strong inhibition of rRNA production. <i>Nucleic Acids Research</i> , 2010, 38, 5315-5326.	6.5	49
988	Map4k4 Negatively Regulates Peroxisome Proliferator-activated Receptor (PPAR) β Protein Translation by Suppressing the Mammalian Target of Rapamycin (mTOR) Signaling Pathway in Cultured Adipocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 6595-6603.	1.6	32
989	Fat Cell-Specific Ablation of <i>Rictor</i> in Mice Impairs Insulin-Regulated Fat Cell and Whole-Body Glucose and Lipid Metabolism. <i>Diabetes</i> , 2010, 59, 1397-1406.	0.3	238
990	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
991	WJD008, a Dual Phosphatidylinositol 3-Kinase (PI3K)/Mammalian Target of Rapamycin Inhibitor, Prevents PI3K Signaling and Inhibits the Proliferation of Transformed Cells with Oncogenic PI3K Mutant. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 830-838.	1.3	37
992	Resveratrol Inhibits mTOR Signaling by Promoting the Interaction between mTOR and DEPTOR. <i>Journal of Biological Chemistry</i> , 2010, 285, 36387-36394.	1.6	154
993	Crosstalk between Insulin/Insulin-like Growth Factor-1 Receptors and G Protein-Coupled Receptor Signaling Systems: A Novel Target for the Antidiabetic Drug Metformin in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2010, 16, 2505-2511.	3.2	217
994	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

#	ARTICLE	IF	CITATIONS
995	Molt cycle regulation of protein synthesis in skeletal muscle of the blackback land crab, <i>Gecarcinus lateralis</i> , and the differential expression of a myostatin-like factor during atrophy induced by molting or unweighting. <i>Journal of Experimental Biology</i> , 2010, 213, 172-183.	0.8	46
996	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
997	Tsc/mTORC1 signaling in oocytes governs the quiescence and activation of primordial follicles. <i>Human Molecular Genetics</i> , 2010, 19, 397-410.	1.4	289
998	Mammalian Target of Rapamycin Complex 1 Suppresses Lipolysis, Stimulates Lipogenesis, and Promotes Fat Storage. <i>Diabetes</i> , 2010, 59, 775-781.	0.3	190
999	Zoledronic Acid Potentiates mTOR Inhibition and Abolishes the Resistance of Osteosarcoma Cells to RAD001 (Everolimus): Pivotal Role of the Prenylation Process. <i>Cancer Research</i> , 2010, 70, 10329-10339.	0.4	92
1000	The Rapamycin-sensitive Phosphoproteome Reveals That TOR Controls Protein Kinase A Toward Some But Not All Substrates. <i>Molecular Biology of the Cell</i> , 2010, 21, 3475-3486.	0.9	226
1001	Prospects for mTOR Inhibitor Use in Patients with Polycystic Kidney Disease and Hamartomatous Diseases. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1312-1329.	2.2	85
1002	Quantitative Nuclear Proteomics Identifies mTOR Regulation of DNA Damage Response. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 403-414.	2.5	37
1003	Fission yeast TORC1 regulates phosphorylation of ribosomal S6 proteins in response to nutrients and its activity is inhibited by rapamycin. <i>Journal of Cell Science</i> , 2010, 123, 777-786.	1.2	82
1004	Mtl1 Is Required to Activate General Stress Response through Tor1 and Ras2 Inhibition under Conditions of Glucose Starvation and Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 19521-19531.	1.6	52
1005	A Role for p38 Stress-Activated Protein Kinase in Regulation of Cell Growth via TORC1. <i>Molecular and Cellular Biology</i> , 2010, 30, 481-495.	1.1	79
1006	Metformin extends life span of HER-2/neu transgenic mice and in combination with melatonin inhibits growth of transplantable tumors in vivo. <i>Cell Cycle</i> , 2010, 9, 188-197.	1.3	165
1007	Dietary protein deprivation upregulates insulin signaling and inhibits gluconeogenesis in rat liver. <i>Journal of Molecular Endocrinology</i> , 2010, 45, 329-340.	1.1	33
1008	A Chemical Genetic Screen for Modulators of Exocytic Transport Identifies Inhibitors of a Transport Mechanism Linked to GTR2 Function. <i>Eukaryotic Cell</i> , 2010, 9, 116-126.	3.4	7
1009	mTOR associates with TFIIC, is found at tRNA and 5S rRNA genes, and targets their repressor Maf1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11823-11828.	3.3	191
1010	Rheb GTPase Controls Apoptosis by Regulating Interaction of FKBP38 with Bcl-2 and Bcl-XL. <i>Journal of Biological Chemistry</i> , 2010, 285, 8621-8627.	1.6	45
1011	The RNA Polymerase-associated Factor 1 Complex (Paf1C) Directly Increases the Elongation Rate of RNA Polymerase I and Is Required for Efficient Regulation of rRNA Synthesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 14152-14159.	1.6	50
1012	Integration of General Amino Acid Control and Target of Rapamycin (TOR) Regulatory Pathways in Nitrogen Assimilation in Yeast. <i>Journal of Biological Chemistry</i> , 2010, 285, 16893-16911.	1.6	107

#	ARTICLE	IF	CITATIONS
1013	Mammalian target of rapamycin inhibition abrogates insulin-mediated mammary tumor progression in type 2 diabetes. <i>Endocrine-Related Cancer</i> , 2010, 17, 941-951.	1.6	38
1014	The mTOR Pathway Is Activated in Human Autosomal-Recessive Polycystic Kidney Disease. <i>Kidney and Blood Pressure Research</i> , 2010, 33, 129-138.	0.9	28
1015	Targeting mTOR pathway: A new concept in cancer therapy. <i>Indian Journal of Medical and Paediatric Oncology</i> , 2010, 31, 132-136.	0.1	64
1016	Cutting Edge: Rapamycin Augments Pathogen-Specific but Not Graft-Reactive CD8+ T Cell Responses. <i>Journal of Immunology</i> , 2010, 185, 2004-2008.	0.4	106
1017	Polyploidy and liver proliferation: Central role of insulin signaling. <i>Cell Cycle</i> , 2010, 9, 460-466.	1.3	60
1018	Contribution of human amniotic fluid stem cells to renal tissue formation depends on mTOR. <i>Human Molecular Genetics</i> , 2010, 19, 3320-3331.	1.4	70
1019	Lipid Signaling in Plants. <i>Plant Cell Monographs</i> , 2010, , .	0.4	14
1020	Target of Rapamycin Signaling in Leukemia and Lymphoma. <i>Clinical Cancer Research</i> , 2010, 16, 5374-5380.	3.2	44
1021	AAA+ Proteins RUVBL1 and RUVBL2 Coordinate PIKK Activity and Function in Nonsense-Mediated mRNA Decay. <i>Science Signaling</i> , 2010, 3, ra27.	1.6	133
1022	mTOR Complex-2 Activates ENaC by Phosphorylating SGK1. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 811-818.	3.0	97
1023	Rapamycin Protects Mice from Staphylococcal Enterotoxin B-Induced Toxic Shock and Blocks Cytokine Release <i>In Vivo</i> and <i>In Vitro</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1125-1131.	1.4	43
1024	The Transcription Activity of Gis1 Is Negatively Modulated by Proteasome-mediated Limited Proteolysis. <i>Journal of Biological Chemistry</i> , 2010, 285, 6465-6476.	1.6	22
1025	Autophagy is involved in starvation response and cell death in Blastocystis. <i>Microbiology (United Kingdom)</i> , 2010, 154, 107-115.	0.7	20
1026	Structural Basis for the Association of the Redox-sensitive Target of Rapamycin FATC Domain with Membrane-mimetic Micelles. <i>Journal of Biological Chemistry</i> , 2010, 285, 7766-7775.	1.6	20
1027	Expansion of the target of rapamycin (TOR) kinase family and function in <i>Leishmania</i> shows that TOR3 is required for acidocalcisome biogenesis and animal infectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11965-11970.	3.3	78
1028	mTORC1-Mediated Cell Proliferation, But Not Cell Growth, Controlled by the 4E-BPs. <i>Science</i> , 2010, 328, 1172-1176.	6.0	624
1029	A High-Throughput, Cell-Based Screening Method for siRNA and Small Molecule Inhibitors of mTORC1 Signaling Using the In Cell Western Technique. <i>Assay and Drug Development Technologies</i> , 2010, 8, 186-199.	0.6	31
1030	mTOR signaling in the control of activation of primordial follicles. <i>Cell Cycle</i> , 2010, 9, 1673-1674.	1.3	83

#	ARTICLE	IF	CITATIONS
1031	Beyond Rapalog Therapy: Preclinical Pharmacology and Antitumor Activity of WYE-125132, an ATP-Competitive and Specific Inhibitor of mTORC1 and mTORC2. <i>Cancer Research</i> , 2010, 70, 621-631.	0.4	195
1032	Activation of autophagy and Akt/CREB signaling play an equivalent role in the neuroprotective effect of rapamycin in neonatal hypoxia-ischemia. <i>Autophagy</i> , 2010, 6, 366-377.	4.3	229
1033	Everolimus. <i>Clinical Cancer Research</i> , 2010, 16, 1368-1372.	3.2	175
1034	Regulation of mTORC1 by the Rab and Arf GTPases. <i>Journal of Biological Chemistry</i> , 2010, 285, 19705-19709.	1.6	120
1035	Inhibition of Human T-Cell Proliferation by Mammalian Target of Rapamycin (mTOR) Antagonists Requires Noncoding RNA Growth-Arrest-Specific Transcript 5 (GAS5). <i>Molecular Pharmacology</i> , 2010, 78, 19-28.	1.0	121
1036	Translatonally controlled tumor protein is a conserved mitotic growth integrator in animals and plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16384-16389.	3.3	137
1037	Sirolimus Therapy to Halt the Progression of ADPKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1031-1040.	3.0	157
1038	Glycogen Synthase Kinase 3 β Activation Is a Prerequisite Signal for Cytokine Production and Chemotaxis in Human Mast Cells. <i>Journal of Immunology</i> , 2010, 184, 564-572.	0.4	21
1039	Altered ultrasonic vocalizations in a tuberous sclerosis mouse model of autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11074-11079.	3.3	128
1040	Pathogenic virus-specific T cells cause disease during treatment with the calcineurin inhibitor FK506: implications for transplantation. <i>Journal of Experimental Medicine</i> , 2010, 207, 2355-2367.	4.2	33
1041	mTOR Signaling as a Target of Amino Acid Treatment of the Age-Related Sarcopenia. <i>Interdisciplinary Topics in Gerontology</i> , 2010, 37, 115-141.	3.6	21
1042	Coordinated maintenance of muscle cell size control by AMP-activated protein kinase. <i>FASEB Journal</i> , 2010, 24, 3555-3561.	0.2	88
1043	Stb3 Plays a Role in the Glucose-Induced Transition from Quiescence to Growth in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2010, 185, 797-810.	1.2	32
1044	Inactivation of sestrin 2 induces TGF- β signaling and partially rescues pulmonary emphysema in a mouse model of COPD. <i>DMM Disease Models and Mechanisms</i> , 2010, 3, 246-253.	1.2	49
1045	The Role of mTOR Signaling in Controlling Mammalian Life Span: What a Fungicide Teaches Us About Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 580-589.	1.7	42
1046	Fine-tuning CD8 ⁺ T-cell functional responses: mTOR acts as a rheostat for regulating CD8 ⁺ T-cell proliferation, survival and differentiation?. <i>Cell Cycle</i> , 2010, 9, 3068-3073.	1.3	18
1047	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
1048	ATM signals to TSC2 in the cytoplasm to regulate mTORC1 in response to ROS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4153-4158.	3.3	628

#	ARTICLE	IF	CITATIONS
1049	Transamination Is Required for $\hat{\alpha}$ -Ketoisocaproate but Not Leucine to Stimulate Insulin Secretion*. Journal of Biological Chemistry, 2010, 285, 33718-33726.	1.6	50
1050	Mammalian Target of Rapamycin Signaling Modulates Photoc Entrainment of the Suprachiasmatic Circadian Clock. Journal of Neuroscience, 2010, 30, 6302-6314.	1.7	99
1051	Regulation of mTOR Complex 1 (mTORC1) by Raptor Ser863 and Multisite Phosphorylation. Journal of Biological Chemistry, 2010, 285, 80-94.	1.6	158
1052	Repair of Isoaspartate Formation Modulates the Interaction of Deamidated 4E-BP2 with mTORC1 in Brain. Journal of Biological Chemistry, 2010, 285, 19402-19408.	1.6	16
1053	Decreased IRS Signaling Impairs $\hat{\alpha}$ -Cell Cycle Progression and Survival in Transgenic Mice Overexpressing S6K in $\hat{\alpha}$ -Cells. Diabetes, 2010, 59, 2390-2399.	0.3	58
1054	mTORC1 Directly Phosphorylates and Regulates Human MAF1. Molecular and Cellular Biology, 2010, 30, 3749-3757.	1.1	158
1055	Identification of Ypk1 as a Novel Selective Substrate for Nitrogen Starvation-triggered Proteolysis Requiring Autophagy System and Endosomal Sorting Complex Required for Transport (ESCRT) Machinery Components. Journal of Biological Chemistry, 2010, 285, 36984-36994.	1.6	14
1056	Chronic Rapamycin Treatment Causes Glucose Intolerance and Hyperlipidemia by Upregulating Hepatic Gluconeogenesis and Impairing Lipid Deposition in Adipose Tissue. Diabetes, 2010, 59, 1338-1348.	0.3	383
1057	Synergistic roles of the proteasome and autophagy for mitochondrial maintenance and chronological lifespan in fission yeast. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3540-3545.	3.3	78
1058	Target of Rapamycin (TOR)-like 1 Kinase Is Involved in the Control of Polyphosphate Levels and Acidocalcisome Maintenance in Trypanosoma brucei. Journal of Biological Chemistry, 2010, 285, 24131-24140.	1.6	43
1059	Rapamycin Regulates Stearoyl CoA Desaturase 1 Expression in Breast Cancer. Molecular Cancer Therapeutics, 2010, 9, 2770-2784.	1.9	59
1060	Cholesterol trafficking is required for mTOR activation in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4764-4769.	3.3	180
1061	Mammalian target of rapamycin: Biological function and target for novel anticancer agents. American Journal of Health-System Pharmacy, 2010, 67, 2095-2106.	0.5	56
1062	Glucose Signaling-Mediated Coordination of Cell Growth and Cell Cycle in Saccharomyces Cerevisiae. Sensors, 2010, 10, 6195-6240.	2.1	102
1063	Dynamic Switch of Negative Feedback Regulation in Drosophila Akt $\hat{\alpha}$ -TOR Signaling. PLoS Genetics, 2010, 6, e1000990.	1.5	56
1064	Reduction of Protein Translation and Activation of Autophagy Protect against PINK1 Pathogenesis in Drosophila melanogaster. PLoS Genetics, 2010, 6, e1001237.	1.5	103
1065	Manipulation of Behavioral Decline in Caenorhabditis elegans with the Rag GTPase raga-1. PLoS Genetics, 2010, 6, e1000972.	1.5	65
1066	A phase $\hat{\alpha}$ -II study of everolimus (RAD001) in combination with imatinib in patients with imatinib-resistant gastrointestinal stromal tumors. Annals of Oncology, 2010, 21, 1990-1998.	0.6	114

#	ARTICLE	IF	CITATIONS
1067	Signaling From the Golgi: Mechanisms and Models for Golgi Phosphoprotein 3â€“Mediated Oncogenesis. <i>Clinical Cancer Research</i> , 2010, 16, 2229-2234.	3.2	82
1068	Impaired overload-induced hypertrophy is associated with diminished mTOR signaling in insulin-resistant skeletal muscle of the obese Zucker rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1666-R1675.	0.9	30
1069	<scp>l</scp>-Proline induces differentiation of ES cells: a novel role for an amino acid in the regulation of pluripotent cells in culture. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C982-C992.	2.1	98
1070	Noncanonical TGF-Î² pathways, mTORC1 and Abl, in renal interstitial fibrogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F142-F149.	1.3	112
1071	Allele-Specific Down-Regulation of RPTOR Expression Induced by Retinoids Contributes to Climate Adaptations. <i>PLoS Genetics</i> , 2010, 6, e1001178.	1.5	17
1072	Mds3 Regulates Morphogenesis in <i>Candida albicans</i> through the TOR Pathway. <i>Molecular and Cellular Biology</i> , 2010, 30, 3695-3710.	1.1	46
1073	Mitotic Raptor Promotes mTORC1 Activity, G₂/M Cell Cycle Progression, and Internal Ribosome Entry Site-Mediated mRNA Translation. <i>Molecular and Cellular Biology</i> , 2010, 30, 3151-3164.	1.1	89
1074	mTOR Complex Component Rictor Interacts with PKCÎ¶ and Regulates Cancer Cell Metastasis. <i>Cancer Research</i> , 2010, 70, 9360-9370.	0.4	117
1075	TORC1 Signaling in Budding Yeast. <i>The Enzymes</i> , 2010, , 147-175.	0.7	14
1076	PI3K/Akt/mTOR Pathway Inhibitors in Cancer: A Perspective on Clinical Progress. <i>Current Medicinal Chemistry</i> , 2010, 17, 4326-4341.	1.2	89
1077	Mitochondrial targeting signals: Another barcode in p14ARF?. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	2
1078	Maf1 regulation. <i>Nucleus</i> , 2010, 1, 162-165.	0.6	26
1079	Cdc48 connects with eIF3. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	0
1080	Cell death or survival: The complex choice of the Retinoblastoma tumor suppressor protein. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	5
1081	Freezing Polo in its sleep: Targeting the inactive conformation of Polo-like kinase 1 in cancer cells. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	0
1082	The ins and outs of nuclear re-export of retrogradely transported tRNAs in <i>Saccharomyces cerevisiae</i> . <i>Nucleus</i> , 2010, 1, 224-230.	0.6	16
1083	Protein phosphatases and the dynamics of the DNA damage response. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	5
1084	The archaeal cell cycle: Clues from comparative genomics. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	0

#	ARTICLE	IF	CITATIONS
1085	p53 and Mdm2: An auld alliance. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	2
1086	Cryptic mitochondrial targeting signals in human ARF: Clues to controlling cancer?. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	0
1087	Oct1 is required for mTOR-induced G1cell cycle arrest via the control of p27Kip1expression. <i>Cell Cycle</i> , 2010, 9, 3933-3944.	1.3	23
1088	mTOR goes to the nucleus. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	8
1089	Bnip3-mediated mitochondrial autophagy is independent of the mitochondrial permeability transition pore. <i>Autophagy</i> , 2010, 6, 855-862.	4.3	194
1090	Mechanisms and Control of Protein Translation in the Kidney. <i>American Journal of Nephrology</i> , 2010, 31, 189-201.	1.4	8
1091	Cell cycle regulated genes in the three domains of life. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	0
1092	The mTOR Pathway: A New Target in Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2010, 10, 484-495.	0.8	152
1093	Sirolimus attenuates disease progression in an orthologous mouse model of human autosomal dominant polycystic kidney disease. <i>Kidney International</i> , 2010, 78, 754-761.	2.6	85
1094	Decoupling of Receptor and Downstream Signals in the Akt Pathway by Its Low-Pass Filter Characteristics. <i>Science Signaling</i> , 2010, 3, ra56.	1.6	79
1095	RAD001 offers a therapeutic intervention through inhibition of mTOR as a potential strategy for esophageal cancer. <i>Oncology Reports</i> , 2010, 23, .	1.2	7
1096	New connections identify Sch9 as a central node in ribosome biosynthesis. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	3
1097	POPX adds to cell motility. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	5
1098	Nutrient regulation of mTORC1 and cell growth. <i>Cell Cycle</i> , 2010, 9, 2473-2474.	1.3	8
1099	Fine-tuning the DNA damage response: Protein Phosphatase 2A checks on CHK2. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	3
1100	Medulloblastoma: A disease with disorganized developmental signaling cascades. <i>Cell Cycle</i> , 2010, 9, 2548-2554.	1.3	21
1101	A novel role for Chk2 after DNA damage in mitosis?. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	5
1102	How Budding Yeast Sense and Transduce the Oxidative Stress Signal and the Impact in Cell Growth and Morphogenesis. <i>Current Protein and Peptide Science</i> , 2010, 11, 669-679.	0.7	16

#	ARTICLE	IF	CITATIONS
1103	Developmental Programming: Differential Effects of Prenatal Testosterone Excess on Insulin Target Tissues. <i>Endocrinology</i> , 2010, 151, 5165-5173.	1.4	49
1104	Elucidating TOR Signaling in <i>Chlamydomonas reinhardtii</i> . <i>The Enzymes</i> , 2010, , 245-261.	0.7	0
1105	The specific roles of mitotic cyclins revealed. <i>Cell Cycle</i> , 2010, 9, 22-27.	1.3	8
1106	Hypothalamic Nutrient Sensing and Energy Balance. <i>Forum of Nutrition</i> , 2010, 63, 94-101.	3.7	23
1107	The PKB/AKT Pathway in Cancer. <i>Current Pharmaceutical Design</i> , 2010, 16, 34-44.	0.9	252
1108	Luteinizing Hormone Stimulates Mammalian Target of Rapamycin Signaling in Bovine Luteal Cells via Pathways Independent of AKT and Mitogen-Activated Protein Kinase: Modulation of Glycogen Synthase Kinase 3 and AMP-Activated Protein Kinase. <i>Endocrinology</i> , 2010, 151, 2846-2857.	1.4	53
1109	Conservation of the Tsc/Rheb/TORC1/S6K/S6 Signaling in Fission Yeast. <i>The Enzymes</i> , 2010, 28, 167-187.	0.7	10
1110	Rapamycin as an alternative to surgical treatment of subependymal giant cell astrocytomas in a patient with tuberous sclerosis complex. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 381-384.	0.8	39
1111	Faithfull Modeling of PTEN Loss Driven Diseases in the Mouse. <i>Current Topics in Microbiology and Immunology</i> , 2010, 347, 135-168.	0.7	29
1112	Skip the nucleus, AKT drives Skp2 and FOXO1 to the same place?. <i>Cell Cycle</i> , 2010, 9, 861-869.	1.3	9
1113	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
1114	FM19G11: A new modulator of HIF that links mTOR activation with the DNA damage checkpoint pathways. <i>Cell Cycle</i> , 2010, 9, 2875-2885.	1.3	10
1115	mTOR Signaling and Human Cancer. <i>The Enzymes</i> , 2010, 28, 301-316.	0.7	2
1116	TORC2 and Sphingolipid Biosynthesis and Signaling. <i>The Enzymes</i> , 2010, , 177-197.	0.7	2
1117	Calorie restriction: Decelerating mTOR-driven aging from cells to organisms (including humans). <i>Cell Cycle</i> , 2010, 9, 683-688.	1.3	198
1118	Loss of Inhibitory Insulin Receptor Substrate-1 Phosphorylation Is an Early Event in Mammalian Target of Rapamycin-Dependent Endometrial Hyperplasia and Carcinoma. <i>Cancer Prevention Research</i> , 2010, 3, 290-300.	0.7	23
1119	Linking calorie restriction to longevity through sirtuins and autophagy: any role for TOR. <i>Cell Death and Disease</i> , 2010, 1, e12-e12.	2.7	53
1120	Rab small GTPase emerges as a regulator of TOR complex 2. <i>Small GTPases</i> , 2010, 1, 180-182.	0.7	12

#	ARTICLE	IF	CITATIONS
1121	Distinct patterns of autophagy evoked by two benzoxazine derivatives in vascular endothelial cells. <i>Autophagy</i> , 2010, 6, 1115-1124.	4.3	52
1122	Autophagic pathways as new targets for cancer drug development. <i>Acta Pharmacologica Sinica</i> , 2010, 31, 1154-1164.	2.8	101
1123	Regulation of mRNA Translation as a Conserved Mechanism of Longevity Control. <i>Advances in Experimental Medicine and Biology</i> , 2010, 694, 14-29.	0.8	40
1124	Tyrosine kinase inhibitors to treat liver cancer. <i>Expert Opinion on Emerging Drugs</i> , 2010, 15, 13-26.	1.0	20
1125	Mechanisms governing the control of mRNA translation. <i>Physical Biology</i> , 2010, 7, 021001.	0.8	67
1126	Rag GTPases in TORC1 Activation and Nutrient Signaling. <i>The Enzymes</i> , 2010, 27, 75-87.	0.7	1
1127	Roles for Sphingolipids in <i>Saccharomyces cerevisiae</i> . <i>Advances in Experimental Medicine and Biology</i> , 2010, 688, 217-231.	0.8	85
1128	Eating the enemy in Crohn's disease. <i>Journal of Crohn's and Colitis</i> , 2010, 4, 377-383.	0.6	11
1129	Targeting mTORC2 inhibits colon cancer cell proliferation in vitro and tumor formation in vivo. <i>Molecular Cancer</i> , 2010, 9, 57.	7.9	77
1130	Comparison of three rapamycin dosing schedules in A/J Tsc2 ^{+/-} mice and improved survival with angiogenesis inhibitor or asparaginase treatment in mice with subcutaneous tuberous sclerosis related tumors. <i>Journal of Translational Medicine</i> , 2010, 8, 14.	1.8	39
1131	The TOR Complex and Signaling Pathway in Plants. <i>The Enzymes</i> , 2010, 27, 285-302.	0.7	12
1132	The Hormone Receptor GUCY2C Suppresses Intestinal Tumor Formation by Inhibiting AKT Signaling. <i>Gastroenterology</i> , 2010, 138, 241-254.	0.6	102
1133	Chemistry and Pharmacology of Rapamycin and Its Derivatives. <i>The Enzymes</i> , 2010, , 329-366.	0.7	6
1134	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
1135	Mammalian target of rapamycin regulates miRNA-1 and follistatin in skeletal myogenesis. <i>Journal of Cell Biology</i> , 2010, 189, 1157-1169.	2.3	183
1136	The potential role of mTOR inhibitors in the treatment of endocrine tumors. <i>Journal of Endocrinological Investigation</i> , 2010, 33, 276-281.	1.8	7
1137	Recent advances in the discovery of small molecule mTOR inhibitors. <i>Future Medicinal Chemistry</i> , 2010, 2, 1577-1589.	1.1	13
1138	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
1139	Molecular mechanisms of metabolic regulation by insulin in <i>Drosophila</i> . <i>Biochemical Journal</i> , 2010, 425, 13-26.	1.7	343
1140	Bifurcation of insulin signaling pathway in rat liver: mTORC1 required for stimulation of lipogenesis, but not inhibition of gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3441-3446.	3.3	613
1141	Energetics, epigenetics, mitochondrial genetics. <i>Mitochondrion</i> , 2010, 10, 12-31.	1.6	428
1142	Mitochondria in response to nutrients and nutrient-sensitive pathways. <i>Mitochondrion</i> , 2010, 10, 589-597.	1.6	22
1143	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
1144	Positive or Negative Roles of Different Cyclin-Dependent Kinase Pho85-Cyclin Complexes Orchestrate Induction of Autophagy in <i>Saccharomyces cerevisiae</i> . <i>Molecular Cell</i> , 2010, 38, 250-264.	4.5	68
1145	Activation of a Metabolic Gene Regulatory Network Downstream of mTOR Complex 1. <i>Molecular Cell</i> , 2010, 39, 171-183.	4.5	1,598
1146	Sin1-mTORC2 Suppresses rag and il7r Gene Expression through Akt2 in B Cells. <i>Molecular Cell</i> , 2010, 39, 433-443.	4.5	64
1147	CK2 Phospho-Dependent Binding of R2TP Complex to TEL2 Is Essential for mTOR and SMG1 Stability. <i>Molecular Cell</i> , 2010, 39, 839-850.	4.5	175
1148	Translational Regulation of Gene Expression during Conditions of Cell Stress. <i>Molecular Cell</i> , 2010, 40, 228-237.	4.5	607
1149	The Aging Stress Response. <i>Molecular Cell</i> , 2010, 40, 333-344.	4.5	451
1150	Tuberous sclerosis complex: linking cancer to metabolism. <i>Trends in Molecular Medicine</i> , 2010, 16, 329-335.	3.5	38
1151	Structure-activity relationship of tocopherol derivatives suggesting a novel non-antioxidant mechanism in antiprion potency. <i>Neuroscience Letters</i> , 2010, 469, 122-126.	1.0	7
1152	GATA transcription, translation and regulation in <i>Haemaphysalis longicornis</i> tick: Analysis of the cDNA and an essential role for vitellogenesis. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 49-57.	1.2	23
1153	Wound healing in the 21st century. <i>Journal of the American Academy of Dermatology</i> , 2010, 63, 866-881.	0.6	292
1154	Secreted phosphoprotein 1 binds integrins to initiate multiple cell signaling pathways, including FRAP1/mTOR, to support attachment and force-generated migration of trophectoderm cells. <i>Matrix Biology</i> , 2010, 29, 369-382.	1.5	81
1155	The PI3K-Akt-mTOR pathway in initiation and progression of thyroid tumors. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 20-28.	1.6	162
1156	RAD001 shows activity against gastric cancer cells and overcomes 5-FU resistance by downregulating thymidylate synthase. <i>Cancer Letters</i> , 2010, 299, 22-28.	3.2	42

#	ARTICLE	IF	CITATIONS
1157	Phospholipase D-mTOR requirement for the Warburg effect in human cancer cells. <i>Cancer Letters</i> , 2010, 299, 72-79.	3.2	38
1158	Senescence and death of plant organs: Nutrient recycling and developmental regulation. <i>Comptes Rendus - Biologies</i> , 2010, 333, 382-391.	0.1	171
1159	Plethora of agents, plethora of targets, plethora of side effects in metastatic renal cell carcinoma. <i>Cancer Treatment Reviews</i> , 2010, 36, 416-424.	3.4	89
1160	The Steroid Hormone Ecdysone Controls Systemic Growth by Repressing dMyc Function in <i>Drosophila</i> Fat Cells. <i>Developmental Cell</i> , 2010, 18, 1012-1021.	3.1	174
1161	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
1162	Localisation of phosphorylated mTOR expression is critical to tumour progression and outcomes in patients with endometrial cancer. <i>European Journal of Cancer</i> , 2010, 46, 3445-3452.	1.3	20
1163	N-Formyl-3,4-methylenedioxy-benzylidene- β -butyrolaetam, KNK437 induces caspase-3 activation through inhibition of mTORC1 activity in Cos-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 56-60.	1.0	6
1164	Metabolic control of antifungal drug resistance. <i>Fungal Genetics and Biology</i> , 2010, 47, 81-93.	0.9	34
1165	Mechanisms of Life Span Extension by Rapamycin in the Fruit Fly <i>Drosophila melanogaster</i> . <i>Cell Metabolism</i> , 2010, 11, 35-46.	7.2	896
1166	Metformin, Independent of AMPK, Inhibits mTORC1 in a Rag GTPase-Dependent Manner. <i>Cell Metabolism</i> , 2010, 11, 390-401.	7.2	747
1167	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
1168	Glucocorticoids increase NPY gene expression in the arcuate nucleus by inhibiting mTOR signaling in rat hypothalamic organotypic cultures. <i>Peptides</i> , 2010, 31, 145-149.	1.2	36
1169	Insulin-like growth factor-1 stimulation of hypothalamic KiSS-1 gene expression is mediated by Akt: effect of alcohol. <i>Neuroscience</i> , 2010, 166, 625-632.	1.1	41
1170	mTOR Activation Induces Tumor Suppressors that Inhibit Leukemogenesis and Deplete Hematopoietic Stem Cells after Pten Deletion. <i>Cell Stem Cell</i> , 2010, 7, 593-605.	5.2	175
1171	Mechanisms maintaining the dormancy and survival of mammalian primordial follicles. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 96-103.	3.1	201
1172	Energy balance and puberty onset: emerging role of central mTOR signaling. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 519-528.	3.1	96
1173	Singlet oxygen signaling links photosynthesis to translation and plant growth. <i>Trends in Plant Science</i> , 2010, 15, 499-506.	4.3	52
1174	Transforming growth factor beta 1 (TGF- β 1) and rapamycin synergize to effectively suppress human T cell responses via upregulation of FoxP3+ Tregs. <i>Transplant Immunology</i> , 2010, 23, 28-33.	0.6	24

#	ARTICLE	IF	CITATIONS
1175	Clinical Outcomes After Radical Prostatectomy in Diabetic Patients Treated With Metformin. <i>Urology</i> , 2010, 76, 1240-1244.	0.5	73
1176	Glucose-dependent insulintropic polypeptide stimulates the proliferation of colorectal cancer cells. <i>Regulatory Peptides</i> , 2010, 163, 74-80.	1.9	21
1177	Gbb/BMP signaling is required to maintain energy homeostasis in <i>Drosophila</i> . <i>Developmental Biology</i> , 2010, 337, 375-385.	0.9	69
1178	Developmental timing of a sensory-mediated larval surfacing behavior correlates with cessation of feeding and determination of final adult size. <i>Developmental Biology</i> , 2010, 345, 170-179.	0.9	24
1179	New insights in nutritional management and amino acid supplementation in urea cycle disorders. <i>Molecular Genetics and Metabolism</i> , 2010, 100, S72-S76.	0.5	24
1180	Revisiting the antagonistic pleiotropy theory of aging: TOR-driven program and quasi-program. <i>Cell Cycle</i> , 2010, 9, 3171-3176.	1.3	138
1181	Increasing healthy lifespan by suppressing aging in our lifetime: Preliminary proposal. <i>Cell Cycle</i> , 2010, 9, 4788-4794.	1.3	52
1182	AMPK Control of mTOR Signaling and Growth. <i>The Enzymes</i> , 2010, , 49-75.	0.7	6
1183	Caloric restriction: From soup to nuts. <i>Ageing Research Reviews</i> , 2010, 9, 324-353.	5.0	139
1184	Tti1 and Tel2 Are Critical Factors in Mammalian Target of Rapamycin Complex Assembly. <i>Journal of Biological Chemistry</i> , 2010, 285, 20109-20116.	1.6	215
1185	Increased levels of p70S6 phosphorylation in the G93A mouse model of Amyotrophic Lateral Sclerosis and in valine-exposed cortical neurons in culture. <i>Experimental Neurology</i> , 2010, 226, 218-230.	2.0	37
1186	Mechanisms of self-inactivation in anergic T cells. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2010, 29, 20-33.	0.1	2
1187	Protein Kinase B (PKB/Akt), a Key Mediator of the PI3K Signaling Pathway. <i>Current Topics in Microbiology and Immunology</i> , 2010, 346, 31-56.	0.7	184
1188	Novel Proteins Regulated by mTOR in Subependymal Giant Cell Astrocytomas of Patients with Tuberous Sclerosis Complex and New Therapeutic Implications. <i>American Journal of Pathology</i> , 2010, 176, 1878-1890.	1.9	66
1189	Rapamycin Extends Maximal Lifespan in Cancer-Prone Mice. <i>American Journal of Pathology</i> , 2010, 176, 2092-2097.	1.9	240
1190	Synuclein β Stimulates Membrane-Initiated Estrogen Signaling by Chaperoning Estrogen Receptor (ER) β 36, a Variant of ER β . <i>American Journal of Pathology</i> , 2010, 177, 964-973.	1.9	30
1191	Protein Metabolism and Lifespan in <i>Caenorhabditis elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2010, 694, 81-107.	0.8	2
1192	Energy Restriction as an Antitumor Target of Thiazolidinediones. <i>Journal of Biological Chemistry</i> , 2010, 285, 9780-9791.	1.6	66

#	ARTICLE	IF	CITATIONS
1193	Mechanosensitivity of the Heart. , 2010, , .		9
1194	Molecular Interplay between Mammalian Target of Rapamycin (mTOR), Amyloid- β^2 , and Tau. Journal of Biological Chemistry, 2010, 285, 13107-13120.	1.6	754
1195	A comprehensive map of the mTOR signaling network. Molecular Systems Biology, 2010, 6, 453.	3.2	201
1196	Central Nervous System Nutrient Signaling: The Regulation of Energy Balance and the Future of Dietary Therapies. Annual Review of Nutrition, 2010, 30, 219-235.	4.3	25
1197	Biomarker Development for the Clinical Activity of the mTOR Inhibitor Everolimus (RAD001): Processes, Limitations, and Further Proposals. Translational Oncology, 2010, 3, 65-79.	1.7	126
1199	Sphingolipids as Signaling and Regulatory Molecules. Advances in Experimental Medicine and Biology, 2010, , .	0.8	23
1200	Structure of TOR Complexes in Fission Yeast. The Enzymes, 2010, 27, 271-284.	0.7	3
1201	Targeting autophagy to fight hematopoietic malignancies. Cell Cycle, 2010, 9, 3470-3478.	1.3	70
1202	Inference of the Molecular Mechanism of Action from Genetic Interaction and Gene Expression Data. OMICS A Journal of Integrative Biology, 2010, 14, 357-367.	1.0	3
1203	Dietary Interventions to Extend Life Span and Health Span Based on Calorie Restriction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 695-703.	1.7	92
1204	Novel pathways for implantation and establishment and maintenance of pregnancy in mammals. Molecular Human Reproduction, 2010, 16, 135-152.	1.3	295
1205	Identification of Optimal Drug Combinations Targeting Cellular Networks: Integrating Phospho-Proteomics and Computational Network Analysis. Cancer Research, 2010, 70, 6704-6714.	0.4	198
1206	Second AKT: The rise of SGK in cancer signalling. Growth Factors, 2010, 28, 394-408.	0.5	127
1207	mTORC1 Links Protein Quality and Quantity Control by Sensing Chaperone Availability. Journal of Biological Chemistry, 2010, 285, 27385-27395.	1.6	41
1208	AMPK inhibition in health and disease. Critical Reviews in Biochemistry and Molecular Biology, 2010, 45, 276-295.	2.3	330
1209	p53 Regulation of the IGF-1/AKT/mTOR Pathways and the Endosomal Compartment. Cold Spring Harbor Perspectives in Biology, 2010, 2, a001057-a001057.	2.3	192
1210	Linking molecular feature space and disease terms for the immunosuppressive drug rapamycin. Molecular BioSystems, 2011, 7, 2863.	2.9	2
1211	Haploinsufficiency of Target of Rapamycin Attenuates Cardiomyopathies in Adult Zebrafish. Circulation Research, 2011, 109, 658-669.	2.0	115

#	ARTICLE	IF	CITATIONS
1212	The novel mTOR inhibitor RAD001 (Everolimus) induces antiproliferative effects in goat fetal fibroblasts. , 2011, , .		0
1213	The isomerase Rrd1 mediates rapid loss of the Sgs1 helicase in response to rapamycin. <i>Biochemistry and Cell Biology</i> , 2011, 89, 332-340.	0.9	4
1214	RAD001 (everolimus) induces antiproliferative effect and abnormal cell morphology in goat fetal fibroblasts under optical microscope. , 2011, , .		0
1215	Growth Inhibition of Human Lung Cancer Cells via Down-regulation of Epidermal Growth Factor Receptor Signaling by Yuanhuadine, a Daphnane Diterpene from <i>Daphne genkwa</i> . <i>Journal of Natural Products</i> , 2011, 74, 2102-2108.	1.5	56
1216	Effects of Intermittent and Chronic Calorie Restriction on Mammalian Target of Rapamycin (mTOR) and IGF-I Signaling Pathways in Mammary Fat Pad Tissues and Mammary Tumors. <i>Nutrition and Cancer</i> , 2011, 63, 389-401.	0.9	40
1217	Potent, Selective, and Orally Bioavailable Inhibitors of Mammalian Target of Rapamycin (mTOR) Kinase Based on a Quaternary Substituted Dihydrofuopyrimidine. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3426-3435.	2.9	25
1218	mTOR and rapamycin in the kidney: signaling and therapeutic implications beyond immunosuppression. <i>Kidney International</i> , 2011, 79, 502-511.	2.6	124
1219	Pushing the Envelope in the mTOR Pathway: The Second Generation of Inhibitors. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 395-403.	1.9	127
1220	Targeting PI3K Signaling as a Therapeutic Approach for Colorectal Cancer. <i>Gastroenterology</i> , 2011, 141, 50-61.	0.6	102
1221	mTOR Inhibitor for the Treatment of Hepatocellular Carcinoma. <i>Digestive Diseases</i> , 2011, 29, 310-315.	0.8	20
1222	Caloric Restriction and Antiaging Effects. <i>Annals of Nutrition and Metabolism</i> , 2011, 58, 42-48.	1.0	22
1223	A longer and healthier life with TOR down-regulation: genetics and drugs. <i>Biochemical Society Transactions</i> , 2011, 39, 460-465.	1.6	120
1224	Differing effects of rapamycin and mTOR kinase inhibitors on protein synthesis. <i>Biochemical Society Transactions</i> , 2011, 39, 446-450.	1.6	39
1225	Rapamycin increases lifespan and inhibits spontaneous tumorigenesis in inbred female mice. <i>Cell Cycle</i> , 2011, 10, 4230-4236.	1.3	329
1226	The Golgi apparatus: an organelle with multiple complex functions. <i>Biochemical Journal</i> , 2011, 433, 1-9.	1.7	100
1228	Signalling by amino acid nutrients. <i>Biochemical Society Transactions</i> , 2011, 39, 443-445.	1.6	21
1229	Novel agents for diffuse large B-cell lymphoma. <i>Expert Opinion on Investigational Drugs</i> , 2011, 20, 669-680.	1.9	14
1230	Nutrition and Bone Growth in Pediatrics. <i>Pediatric Clinics of North America</i> , 2011, 58, 1117-1140.	0.9	10

#	ARTICLE	IF	CITATIONS
1231	mTOR inhibition in breast cancer: unraveling the complex mechanisms of mTOR signal transduction and its clinical implications in therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 859-872.	1.5	31
1232	Activation of Sirt1 by Resveratrol Inhibits TNF- α Induced Inflammation in Fibroblasts. <i>PLoS ONE</i> , 2011, 6, e27081.	1.1	205
1233	Mammalian Target of Rapamycin (mTOR) Inhibitors. <i>Drug Safety</i> , 2011, 34, 97-115.	1.4	49
1234	Systemic Management Strategies for Metastatic Soft Tissue Sarcoma. <i>Drugs</i> , 2011, 71, 2115-2129.	4.9	11
1235	mTOR signaling in protein homeostasis. <i>Cell Cycle</i> , 2011, 10, 1940-1947.	1.3	56
1236	Patient Organizations and Research on Rare Diseases. <i>New England Journal of Medicine</i> , 2011, 364, 1670-1671.	13.9	42
1237	The purpose of the HIF-1/PHD feedback loop: To limit mTOR-induced HIF-1 α . <i>Cell Cycle</i> , 2011, 10, 1557-1562.	1.3	92
1238	Novel male-biased expression in paralogs of the aphid slimfast nutrient amino acid transporter expansion. <i>BMC Evolutionary Biology</i> , 2011, 11, 253.	3.2	11
1239	Metallothionein Enzymes. , 2011, , 2259-2259.		0
1240	Phosphoinositide 3-kinase in Health and Disease. <i>Current Topics in Microbiology and Immunology</i> , 2011, , .	0.7	1
1241	Metalloenzymes. , 2011, , 2258-2259.		0
1242	RAEB. , 2011, , 3160-3160.		0
1243	Yeast Systems Biology. <i>Methods in Molecular Biology</i> , 2011, , .	0.4	7
1244	Genome-Wide Analysis of Yeast Aging. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 251-289.	1.0	14
1245	Regulation of plant growth and metabolism by the TOR kinase. <i>Biochemical Society Transactions</i> , 2011, 39, 477-481.	1.6	64
1246	Nutritional Control of Cell Growth via TOR Signaling in Budding Yeast. <i>Methods in Molecular Biology</i> , 2011, 759, 307-319.	0.4	23
1247	mTOR Inhibitors in Advanced Renal Cell Carcinoma. <i>Hematology/Oncology Clinics of North America</i> , 2011, 25, 835-852.	0.9	112
1248	The Nucleolus. , 2011, , .		19

#	ARTICLE	IF	CITATIONS
1249	The role of amino acid transporters in inherited and acquired diseases. <i>Biochemical Journal</i> , 2011, 436, 193-211.	1.7	172
1252	Receptor Tyrosine Kinases. , 2011, , 3198-3203.		0
1253	Altered Mitochondrial Function in Type 2 Granular Corneal Dystrophy. <i>American Journal of Pathology</i> , 2011, 179, 684-692.	1.9	31
1254	The mTOR/AKT Inhibitor Temsirolimus Prevents Deep Infiltrating Endometriosis in Mice. <i>American Journal of Pathology</i> , 2011, 179, 880-889.	1.9	96
1255	Activation of mTORC2 by Association with the Ribosome. <i>Cell</i> , 2011, 144, 757-768.	13.5	586
1256	The Ribosome and TORC2: Collaborators for Cell Growth. <i>Cell</i> , 2011, 144, 640-642.	13.5	16
1257	mTOR Complex 1 Regulates Lipin 1 Localization to Control the SREBP Pathway. <i>Cell</i> , 2011, 146, 408-420.	13.5	1,002
1258	Amino Acid Signaling to mTOR Mediated by Inositol Polyphosphate Multikinase. <i>Cell Metabolism</i> , 2011, 13, 215-221.	7.2	127
1259	Regulation of Yeast Chronological Life Span by TORC1 via Adaptive Mitochondrial ROS Signaling. <i>Cell Metabolism</i> , 2011, 13, 668-678.	7.2	273
1260	Metabolic Flux and the Regulation of Mammalian Cell Growth. <i>Cell Metabolism</i> , 2011, 14, 443-451.	7.2	371
1261	Inhibition of human in-stent restenosis: a molecular view. <i>Current Opinion in Pharmacology</i> , 2011, 11, 372-377.	1.7	27
1262	Notch-ing from T-cell to B-cell lymphoid malignancies. <i>Cancer Letters</i> , 2011, 308, 1-13.	3.2	29
1263	Inhibitors of mTOR overcome drug resistance from topoisomerase II inhibitors in solid tumors. <i>Cancer Letters</i> , 2011, 311, 20-28.	3.2	26
1264	25-Methoxyhispidol A, a novel triterpenoid of <i>Poncirus trifoliata</i> , inhibits cell growth via the modulation of EGFR/c-Src signaling pathway in MDA-MB-231 human breast cancer cells. <i>Food and Chemical Toxicology</i> , 2011, 49, 2942-2946.	1.8	15
1265	mTOR kinase inhibition results in oocyte loss characterized by empty follicles in human ovarian cortical strips cultured in vitro. <i>Fertility and Sterility</i> , 2011, 96, 1154-1159.e1.	0.5	57
1266	Apoptosis in polycystic kidney disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1272-1280.	1.8	52
1267	A gain-of-function screen identifies <i>wdb</i> and <i>lkb1</i> as lifespan-extending genes in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 667-672.	1.0	57
1268	Gadd34 induces autophagy through the suppression of the mTOR pathway during starvation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 692-698.	1.0	37

#	ARTICLE	IF	CITATIONS
1269	The inhibition of MAPK potentiates the anti-angiogenic efficacy of mTOR inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 714-719.	1.0	24
1270	Acceleration of autoimmune diabetes in Rheb-congenic NOD mice with \hat{I}^2 -cell-specific mTORC1 activation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 306-311.	1.0	3
1271	Accelerated cellular senescence phenotype of GAPDH-depleted human lung carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 409-415.	1.0	35
1272	Ex vivo rapamycin treatment of human cord blood CD34+ cells enhances their engraftment of NSG mice. <i>Blood Cells, Molecules, and Diseases</i> , 2011, 46, 318-320.	0.6	34
1273	An intein-cassette integration approach used for the generation of a split TEV protease activated by conditional protein splicing. <i>Molecular BioSystems</i> , 2011, 7, 2031.	2.9	30
1274	Amino Acid Signaling in TOR Activation. <i>Annual Review of Biochemistry</i> , 2011, 80, 1001-1032.	5.0	202
1275	Relieving Autophagy and 4EBP1 from Rapamycin Resistance. <i>Molecular and Cellular Biology</i> , 2011, 31, 2867-2876.	1.1	83
1276	Spermidine may decrease ER stress in pancreatic beta cells and may reduce apoptosis via activating AMPK dependent autophagy pathway. <i>Medical Hypotheses</i> , 2011, 77, 677-679.	0.8	33
1277	Decreased heat shock protein 27 expression and altered autophagy in human cells harboring A8344G mitochondrial DNA mutation. <i>Mitochondrion</i> , 2011, 11, 739-749.	1.6	22
1278	Rac1 Regulates the Activity of mTORC1 and mTORC2 and Controls Cellular Size. <i>Molecular Cell</i> , 2011, 42, 50-61.	4.5	225
1279	The cAMP-Dependent Protein Kinase Signaling Pathway Is a Key Regulator of P Body Foci Formation. <i>Molecular Cell</i> , 2011, 43, 973-981.	4.5	111
1280	mTOR signaling in polycystic kidney disease. <i>Trends in Molecular Medicine</i> , 2011, 17, 625-633.	3.5	74
1281	Evidence for the involvement of mTOR inhibition and basal autophagy in familial Mediterranean fever phenotype. <i>Human Immunology</i> , 2011, 72, 135-138.	1.2	21
1282	Role of the mTOR Pathway in LPS-Activated Monocytes: Influence of Hypertonic Saline. <i>Journal of Surgical Research</i> , 2011, 171, 769-776.	0.8	41
1283	Targeting the JNK Signaling Pathway Potentiates the Antiproliferative Efficacy of Rapamycin in LS174T Colon Cancer Cells. <i>Journal of Surgical Research</i> , 2011, 167, e193-e198.	0.8	11
1284	Vanillin induces adipocyte differentiation in 3T3-L1 cells by activating extracellular signal regulated kinase 42/44. <i>Life Sciences</i> , 2011, 88, 675-680.	2.0	12
1285	m-TOR inhibitors: What role in liver transplantation?. <i>Journal of Hepatology</i> , 2011, 55, 1441-1451.	1.8	61
1286	mTOR couples cellular nutrient sensing to organismal metabolic homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 94-102.	3.1	280

#	ARTICLE	IF	CITATIONS
1287	Circadian regulation of mammalian target of rapamycin signaling in the mouse suprachiasmatic nucleus. <i>Neuroscience</i> , 2011, 181, 79-88.	1.1	77
1288	The 14-3-3 proteins in regulation of cellular metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 713-719.	2.3	131
1289	Protein degradation – an alternative respiratory substrate for stressed plants. <i>Trends in Plant Science</i> , 2011, 16, 489-498.	4.3	367
1290	Mammalian TOR signaling to the AGC kinases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 527-547.	2.3	68
1291	The Effect of Leucine Restriction on Akt/mTOR Signaling in Breast Cancer Cell Lines In Vitro and In Vivo. <i>Nutrition and Cancer</i> , 2011, 63, 264-271.	0.9	15
1292	Leucine Deprivation Increases Hepatic Insulin Sensitivity via GCN2/mTOR/S6K1 and AMPK Pathways. <i>Diabetes</i> , 2011, 60, 746-756.	0.3	249
1293	Two sides of lifespan regulating genes: pro-longevity or anti-longevity?. <i>Journal of Biochemistry</i> , 2011, 149, 381-388.	0.9	7
1294	A critical role for non-coding RNA <i>GAS5</i> in growth arrest and rapamycin inhibition in human T-lymphocytes. <i>Biochemical Society Transactions</i> , 2011, 39, 482-486.	1.6	96
1295	Rapamycin-induced glucose intolerance: Hunger or starvation diabetes. <i>Cell Cycle</i> , 2011, 10, 4217-4224.	1.3	54
1296	Plant TOR signaling components. <i>Plant Signaling and Behavior</i> , 2011, 6, 1700-1705.	1.2	36
1297	Spatial Coupling of mTOR and Autophagy Augments Secretory Phenotypes. <i>Science</i> , 2011, 332, 966-970.	6.0	469
1298	The Role of p53 in Ribosomopathies. <i>Seminars in Hematology</i> , 2011, 48, 97-105.	1.8	85
1299	Small-Molecule Activators of AMP-Activated Protein Kinase (AMPK), RSVA314 and RSVA405, Inhibit Adipogenesis. <i>Molecular Medicine</i> , 2011, 17, 1022-1030.	1.9	75
1300	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 2181-2196.	3.9	462
1301	Targeting Receptor Tyrosine Kinase Pathways in Hepatocellular Carcinoma. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 560-575.	0.9	24
1302	mTOR-mediated dedifferentiation of the retinal pigment epithelium initiates photoreceptor degeneration in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 369-383.	3.9	265
1303	Long-term outcome of everolimus treatment in transplant patients. <i>Transplant Research and Risk Management</i> , 2011, , 77.	0.7	9
1304	Dopaminergic Neurons Derived from Human Embryonic Stem Cell Derived Neural Progenitors: Biological Relevance and Application. , 0, ,		0

#	ARTICLE	IF	CITATIONS
1305	Contribution of PKB/AKT signaling to thyroid cancer. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1461.	3.0	26
1306	Cell cycle arrest is not senescence. <i>Aging</i> , 2011, 3, 94-101.	1.4	186
1307	Hormesis does not make sense except in the light of TOR-driven aging. <i>Aging</i> , 2011, 3, 1051-1062.	1.4	67
1308	Mapping the interaction of Snf1 with TORC1 in <i>Saccharomyces cerevisiae</i> . <i>Molecular Systems Biology</i> , 2011, 7, 545.	3.2	163
1309	Genetics and Biology of Glioblastoma Multiforme. , 2011, , .		2
1310	Impact of everolimus: update on immunosuppressive therapy strategies and patient outcomes after renal transplantation. <i>Transplant Research and Risk Management</i> , 0, , 9.	0.7	7
1311	Molecular Basis for Heart Failure. , 2011, , 7-31.		1
1312	Comparative Genetics of Aging. , 2011, , 215-241.		1
1313	TOR: A Conserved Nutrient-Sensing Pathway that Determines Life-Span Across Species. , 2011, , 203-214.		1
1314	Role of Signaling Pathways in Acute Myeloid Leukemia. , 0, , .		2
1315	Dysregulated mTORC1-Dependent Translational Control: From Brain Disorders to Psychoactive Drugs. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 76.	1.0	28
1316	Role of mTOR Signaling in Tumor Cell Motility, Invasion and Metastasis. <i>Current Protein and Peptide Science</i> , 2011, 12, 30-42.	0.7	229
1317	Aging and Adipose Tissue. , 2011, , 119-139.		7
1318	Signal Transduction Pathways in Breast Cancer – Drug Targets and Challenges. , 0, , .		0
1319	E2F1 Regulates Cellular Growth by mTORC1 Signaling. <i>PLoS ONE</i> , 2011, 6, e16163.	1.1	638
1320	Insulin-Like Peptides and the Target of Rapamycin Pathway Coordinately Regulate Blood Digestion and Egg Maturation in the Mosquito <i>Aedes aegypti</i> . <i>PLoS ONE</i> , 2011, 6, e20401.	1.1	136
1321	The Role of Calcineurin/NFAT in SFRP2 Induced Angiogenesis – A Rationale for Breast Cancer Treatment with the Calcineurin Inhibitor Tacrolimus. <i>PLoS ONE</i> , 2011, 6, e20412.	1.1	72
1322	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

#	ARTICLE	IF	CITATIONS
1323	Temporal Regulation of Rapamycin on Memory CTL Programming by IL-12. PLoS ONE, 2011, 6, e25177.	1.1	17
1324	Multiple TORC1-Associated Proteins Regulate Nitrogen Starvation-Dependent Cellular Differentiation in <i>Saccharomyces cerevisiae</i> . PLoS ONE, 2011, 6, e26081.	1.1	18
1325	Î²-Adrenergic Receptor-PI3K Signaling Crosstalk in Mouse Heart: Elucidation of Immediate Downstream Signaling Cascades. PLoS ONE, 2011, 6, e26581.	1.1	49
1326	Aging and the kidney. Current Opinion in Nephrology and Hypertension, 2011, 20, 312-317.	1.0	40
1327	Therapeutic Intervention at Cellular Quality Control Systems in Alzheimers and Parkinsons Diseases. Current Pharmaceutical Design, 2011, 17, 3446-3459.	0.9	11
1328	Balance Between S6K-S6 and 4E-BP1 Depends on ERK Activity in Developing Neurons. Current Signal Transduction Therapy, 2011, 6, 82-87.	0.3	1
1329	mTOR Signaling and Metabolic Regulation of T Cells: New Potential Therapeutic Targets in Autoimmune Diseases. Current Pharmaceutical Design, 2011, 17, 3888-3897.	0.9	29
1330	Defective Autophagy in Fibroblasts May Contribute to Fibrogenesis in Autoimmune Processes. Current Pharmaceutical Design, 2011, 17, 3878-3887.	0.9	24
1331	Adipose Triglyceride Lipase: A New Target in the Regulation of Lipolysis by Insulin. Current Diabetes Reviews, 2011, 7, 270-277.	0.6	27
1332	Insulin Decreases Therapeutic Efficacy in Colon Cancer Cell Line HT29 Via the Activation of the PI3K/Akt Pathway. Current Drug Discovery Technologies, 2011, 8, 119-125.	0.6	46
1333	Cell death by sugar: Bittersweet TOR. Cell Cycle, 2011, 10, 13-14.	1.3	1
1334	Mammalian target of rapamycin mediates the angiogenic effects of leptin in human hepatic stellate cells. American Journal of Physiology - Renal Physiology, 2011, 301, G210-G219.	1.6	39
1335	Identifying Inhibitors of Epithelial-Mesenchymal Transition by Connectivity Map-Based Systems Approach. Journal of Thoracic Oncology, 2011, 6, 1784-1792.	0.5	55
1336	mTORC2 targets AGC kinases through Sin1-dependent recruitment. Biochemical Journal, 2011, 439, 287-297.	1.7	74
1338	Role of GOLPH3 and GOLPH3L in the proliferation of human rhabdomyosarcoma. Oncology Reports, 2011, 26, 1337-42.	1.2	43
1339	Rapamycin Blocks Production of KSHV/HHV8: Insights into the Anti-Tumor Activity of an Immunosuppressant Drug. PLoS ONE, 2011, 6, e14535.	1.1	66
1340	Apical Na ⁺ -glucose cotransporter 1 (SGLT1) activity and protein abundance are expressed along the jejunal crypt-villus axis in the neonatal pig. American Journal of Physiology - Renal Physiology, 2011, 300, G60-G70.	1.6	28
1341	Transforming growth factor-Î²-induced protein (TGFBI) suppresses mesothelioma progression through the Akt/mTOR pathway. International Journal of Oncology, 2011, 39, 1001-9.	1.4	20

#	ARTICLE	IF	CITATIONS
1342	The Targets of Curcumin. <i>Current Drug Targets</i> , 2011, 12, 332-347.	1.0	613
1343	mTOR inhibitors show promising in vitro activity in bladder cancer and head and neck squamous cell carcinoma. <i>Oncology Reports</i> , 2011, 25, 763-8.	1.2	23
1344	NCCN Task Force Report: Optimizing Treatment of Advanced Renal Cell Carcinoma With Molecular Targeted Therapy. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2011, 9, S-1-S-29.	2.3	48
1345	Starvation and rapamycin differentially regulate host cell lysosome exocytosis and invasion by <i>Trypanosoma cruzi</i> metacyclic forms. <i>Cellular Microbiology</i> , 2011, 13, 943-954.	1.1	71
1346	Activating mutations of TOR (target of rapamycin). <i>Genes To Cells</i> , 2011, 16, 141-151.	0.5	60
1347	The parallel evolution of dwarfism in Arctic charr is accompanied by adaptive divergence in mTOR-pathway gene expression. <i>Molecular Ecology</i> , 2011, 20, 3167-3184.	2.0	45
1348	Effects of rapamycin and TOR on aging and memory: implications for Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011, 117, 927-936.	2.1	38
1349	Induction of autophagy with catalytic mTOR inhibitors reduces huntingtin aggregates in a neuronal cell model. <i>Journal of Neurochemistry</i> , 2011, 119, 398-407.	2.1	85
1350	Hot topics in aging research: protein translation and TOR signaling, 2010. <i>Ageing Cell</i> , 2011, 10, 185-190.	3.0	60
1351	Cannabinoid receptor agonists modulate oligodendrocyte differentiation by activating PI3K/Akt and the mammalian target of rapamycin (mTOR) pathways. <i>British Journal of Pharmacology</i> , 2011, 163, 1520-1532.	2.7	95
1352	Alcohol-Induced Modulation of Rictor and mTORC2 Activity in C2C12 Myoblasts. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, no-no.	1.4	20
1353	Differential cell wall remodeling of two chitin synthase deletants Δ chs3A and Δ chs3B in the pathogenic yeast <i>Candida glabrata</i> . <i>FEMS Yeast Research</i> , 2011, 11, 398-407.	1.1	13
1354	Lysosome positioning coordinates mTORC1 activity and autophagy. <i>Nature Cell Biology</i> , 2011, 13, 342-344.	4.6	51
1355	AMPK and mTOR regulate autophagy through direct phosphorylation of Ulk1. <i>Nature Cell Biology</i> , 2011, 13, 132-141.	4.6	5,447
1356	Inactivation of Rheb by PRAK-mediated phosphorylation is essential for energy-depletion-induced suppression of mTORC1. <i>Nature Cell Biology</i> , 2011, 13, 263-272.	4.6	128
1357	The myosin-II-responsive focal adhesion proteome: a tour de force?. <i>Nature Cell Biology</i> , 2011, 13, 344-346.	4.6	4
1358	Chemical modulators of autophagy as biological probes and potential therapeutics. <i>Nature Chemical Biology</i> , 2011, 7, 9-17.	3.9	344
1359	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

#	ARTICLE	IF	CITATIONS
1360	Identification of FUSE-binding protein 1 as a regulatory mRNA-binding protein that represses nucleophosmin translation. <i>Oncogene</i> , 2011, 30, 77-86.	2.6	36
1361	Genome-wide shRNA screen reveals increased mitochondrial dependence upon mTORC2 addiction. <i>Oncogene</i> , 2011, 30, 1551-1565.	2.6	44
1362	Î±4 is highly expressed in carcinogen-transformed human cells and primary human cancers. <i>Oncogene</i> , 2011, 30, 2943-2953.	2.6	41
1363	MicroRNA-mediated downregulation of mTOR/FGFR3 controls tumor growth induced by Src-related oncogenic pathways. <i>Oncogene</i> , 2011, 30, 3489-3501.	2.6	91
1364	AMPK and autophagy get connected. <i>EMBO Journal</i> , 2011, 30, 634-635.	3.5	180
1365	Cellular stress response pathways and ageing: intricate molecular relationships. <i>EMBO Journal</i> , 2011, 30, 2520-2531.	3.5	244
1366	mTORC1 signaling in energy balance and metabolic disease. <i>International Journal of Obesity</i> , 2011, 35, 751-761.	1.6	51
1367	HMGB1-induced autophagy promotes chemotherapy resistance in leukemia cells. <i>Leukemia</i> , 2011, 25, 23-31.	3.3	218
1368	Effect of PI3K- and mTOR-specific inhibitors on spontaneous B-cell follicular lymphomas in PTEN/LKB1-deficient mice. <i>British Journal of Cancer</i> , 2011, 104, 1116-1125.	2.9	43
1369	The TSC1 and TSC2 tumor suppressors are required for proper ER stress response and protect cells from ER stress-induced apoptosis. <i>Cell Death and Differentiation</i> , 2011, 18, 133-144.	5.0	93
1370	Ovarian cryopreservation strategies and the fine control of ovarian follicle development <i>in vitro</i> . <i>Annals of the New York Academy of Sciences</i> , 2011, 1221, 40-46.	1.8	3
1371	Hypothalamic inflammation: a double-edged sword to nutritional diseases. <i>Annals of the New York Academy of Sciences</i> , 2011, 1243, E1-39.	1.8	131
1372	Therapy With m-TOR Inhibitors Decreases the Response to the Pandemic Influenza A H1N1 Vaccine in Solid Organ Transplant Recipients. <i>American Journal of Transplantation</i> , 2011, 11, 2205-2213.	2.6	45
1373	Calcineurin A ^{Î²} is required for hypertrophy but not matrix expansion in the diabetic kidney. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 414-422.	1.6	18
1374	Autophagy pathways activated in response to PDT contribute to cell resistance against ROS damage. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1402-1414.	1.6	106
1375	The toxicity of tau in Alzheimer disease: turnover, targets and potential therapeutics. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1621-1635.	1.6	65
1376	The Three Musketeers of Autophagy: phosphorylation, ubiquitylation and acetylation. <i>Trends in Cell Biology</i> , 2011, 21, 195-201.	3.6	143
1377	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

#	ARTICLE	IF	CITATIONS
1378	Targeting autophagy during cancer therapy to improve clinical outcomes. , 2011, 131, 130-141.		208
1379	Obesity and the placenta: A consideration of nutrient exchange mechanisms in relation to aberrant fetal growth. Placenta, 2011, 32, 1-7.	0.7	102
1380	CUL4B-deficiency in humans: Understanding the clinical consequences of impaired Cullin 4-RING E3 ubiquitin ligase function. Mechanisms of Ageing and Development, 2011, 132, 366-373.	2.2	34
1381	The activation of the p53 pathway by the AMP mimetic AICAR is reduced by inhibitors of the ATM or mTOR kinases. Mechanisms of Ageing and Development, 2011, 132, 543-551.	2.2	21
1382	A novel cardioprotective p38-MAPK/mTOR pathway. Experimental Cell Research, 2011, 317, 2938-2949.	1.2	74
1383	New aspects of melanocortin signaling: A role for PRCP in $\hat{\pm}$ -MSH degradation. Frontiers in Neuroendocrinology, 2011, 32, 70-83.	2.5	48
1384	Genetic dissection of axon regeneration. Current Opinion in Neurobiology, 2011, 21, 189-196.	2.0	43
1385	Tissue and serum biomarkers as prognostic variables in endometrioid-type endometrial cancer. Critical Reviews in Oncology/Hematology, 2011, 80, 181-192.	2.0	18
1386	mTOR as a multifunctional therapeutic target in HIV infection. Drug Discovery Today, 2011, 16, 715-721.	3.2	90
1387	Pathways underlying the gut-to-brain connection in autism spectrum disorders as future targets for disease management. European Journal of Pharmacology, 2011, 668, S70-S80.	1.7	154
1388	Role of TOR signaling in aging and related biological processes in Drosophila melanogaster. Experimental Gerontology, 2011, 46, 382-390.	1.2	116
1389	Regulation and deregulation of mRNA translation during myeloid maturation. Experimental Hematology, 2011, 39, 133-141.	0.2	10
1390	TSC1/TSC2 signaling in the CNS. FEBS Letters, 2011, 585, 973-980.	1.3	93
1391	The hormonal and circadian basis for insect photoperiodic timing. FEBS Letters, 2011, 585, 1450-1460.	1.3	86
1392	Antitumor effects of a novel benzonaphthofurandione derivative (8e) on the human colon cancer cells in vitro and in vivo through cell cycle arrest accompanied with the modulation of EGFR and mTOR signaling. Chemico-Biological Interactions, 2011, 193, 43-49.	1.7	5
1393	TOR in the immune system. Current Opinion in Cell Biology, 2011, 23, 707-715.	2.6	120
1394	mTOR signaling in disease. Current Opinion in Cell Biology, 2011, 23, 744-755.	2.6	409
1395	Mammalian target of rapamycin (mTOR) phosphorylates inositol 1,4,5-trisphosphate receptor type 2 and increases its Ca ²⁺ release activity. Cellular Signalling, 2011, 23, 71-79.	1.7	18

#	ARTICLE	IF	CITATIONS
1396	Lithium induces c-Ret expression in mouse inner medullary collecting duct cells. Cellular Signalling, 2011, 23, 371-379.	1.7	9
1397	High glucose upregulation of early-onset Parkinson's disease protein DJ-1 integrates the PRAS40/TORC1 axis to mesangial cell hypertrophy. Cellular Signalling, 2011, 23, 1311-1319.	1.7	40
1398	mTOR phosphorylates IMP2 to promote IGF2 mRNA translation by internal ribosomal entry. Genes and Development, 2011, 25, 1159-1172.	2.7	148
1399	Strategies for the discovery of anti-aging compounds. Expert Opinion on Drug Discovery, 2011, 6, 89-102.	2.5	25
1400	Evolvability and robustness in a complex signalling circuit. Molecular BioSystems, 2011, 7, 1081.	2.9	23
1401	The RNA Polymerase I Transcription Machinery. , 2011, , 107-134.		2
1402	Rapamycin passes the torch: a new generation of mTOR inhibitors. Nature Reviews Drug Discovery, 2011, 10, 868-880.	21.5	830
1403	Inhibition of autophagy: a new strategy to enhance sensitivity of chronic myeloid leukemia stem cells to tyrosine kinase inhibitors. Leukemia and Lymphoma, 2011, 52, 54-59.	0.6	70
1404	Rapamycin Reverses Cellular Phenotypes and Enhances Mutant Protein Clearance in Hutchinson-Gilford Progeria Syndrome Cells. Science Translational Medicine, 2011, 3, 89ra58.	5.8	294
1406	Optimizing vaccine-induced CD8+T-cell immunity: focus on recombinant adenovirus vectors. Expert Review of Vaccines, 2011, 10, 1307-1319.	2.0	31
1407	Aerobic Glycolysis: Meeting the Metabolic Requirements of Cell Proliferation. Annual Review of Cell and Developmental Biology, 2011, 27, 441-464.	4.0	2,333
1408	A brief history of TOR. Biochemical Society Transactions, 2011, 39, 437-442.	1.6	31
1409	Aging as an Event of Proteostasis Collapse. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004440-a004440.	2.3	420
1410	Target of Rapamycin (TOR) in Nutrient Signaling and Growth Control. Genetics, 2011, 189, 1177-1201.	1.2	732
1411	Cap and capâ€binding proteins in the control of gene expression. Wiley Interdisciplinary Reviews RNA, 2011, 2, 277-298.	3.2	338
1412	The mammalian target of rapamycin inhibitor everolimus (RAD001) in early breast cancer: results of a pre-operative study. Breast Cancer Research and Treatment, 2011, 128, 725-734.	1.1	45
1413	Innovations therapy: mammalian target of rapamycin (mTOR) inhibitors for the treatment of neuroendocrine tumors. Cancer and Metastasis Reviews, 2011, 30, 27-34.	2.7	67
1414	mTOR mediates RhoA-dependent leptin-induced cardiomyocyte hypertrophy. Molecular and Cellular Biochemistry, 2011, 352, 99-108.	1.4	40

#	ARTICLE	IF	CITATIONS
1415	Chronic hypoxia-induced alterations of key enzymes of glucose oxidative metabolism in developing mouse liver are mTOR dependent. <i>Molecular and Cellular Biochemistry</i> , 2011, 357, 189-197.	1.4	12
1416	Expression of the Golgi phosphoprotein-3 gene in human gliomas: a pilot study. <i>Journal of Neuro-Oncology</i> , 2011, 105, 159-163.	1.4	36
1417	Effect of branched-chain amino acid supplementation during unloading on regulatory components of protein synthesis in atrophied soleus muscles. <i>European Journal of Applied Physiology</i> , 2011, 111, 1815-1828.	1.2	44
1418	Genome-wide screen for inositol auxotrophy in <i>Saccharomyces cerevisiae</i> implicates lipid metabolism in stress response signaling. <i>Molecular Genetics and Genomics</i> , 2011, 285, 125-149.	1.0	53
1419	Apoptosis induced by overall metabolic stress converges on the Bcl-2 family proteins Noxa and Mcl-1. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 708-721.	2.2	52
1420	Rapamycin protects against dominant negative-HNF1A-induced apoptosis in INS-1 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 1128-1137.	2.2	3
1421	Conservation of Structural and Functional Elements of TSC1 and TSC2: A Bioinformatic Comparison Across Animal Models. <i>Behavior Genetics</i> , 2011, 41, 349-356.	1.4	13
1422	mTOR links oncogenic signaling to tumor cell metabolism. <i>Journal of Molecular Medicine</i> , 2011, 89, 221-228.	1.7	158
1423	Metabolic regulation by p53. <i>Journal of Molecular Medicine</i> , 2011, 89, 237-245.	1.7	272
1424	Oleate-mediated activation of phospholipase D and mammalian target of rapamycin (mTOR) regulates proliferation and rapamycin sensitivity of hepatocarcinoma cells. <i>Diabetologia</i> , 2011, 54, 954-964.	2.9	17
1425	Serum interferon alpha receptor 2 mRNA may predict efficacy of interferon alpha with/without low-dose sorafenib for metastatic clear cell renal cell carcinoma. <i>Cancer Immunology, Immunotherapy</i> , 2011, 60, 793-808.	2.0	16
1426	Hypoxia-inducible factors in mantle cell lymphoma: implication for an activated mTORC1/HIF-1 pathway. <i>Annals of Hematology</i> , 2011, 90, 315-322.	0.8	23
1427	Rapamycin suppresses ROS-dependent apoptosis caused by selenomethionine in A549 lung carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 1129-1136.	1.1	28
1428	Evolution of the TOR Pathway. <i>Journal of Molecular Evolution</i> , 2011, 73, 209-220.	0.8	118
1429	Essential Role for Retinoic Acid in the Promotion of CD4+ T Cell Effector Responses via Retinoic Acid Receptor Alpha. <i>Immunity</i> , 2011, 34, 435-447.	6.6	330
1430	Molecular Genetics and Pathogenic Mechanisms for the Severe Ciliopathies: Insights into Neurodevelopment and Pathogenesis of Neural Tube Defects. <i>Molecular Neurobiology</i> , 2011, 43, 12-26.	1.9	67
1431	Perspectives on the role of mTORC2 in B lymphocyte development, immunity and tumorigenesis. <i>Protein and Cell</i> , 2011, 2, 523-530.	4.8	12
1432	Role of the podocyte signal-transduction systems in the pathogenesis of diabetic nephropathy. <i>Diabetology International</i> , 2011, 2, 160-161.	0.7	0

#	ARTICLE	IF	CITATIONS
1433	Regulation of mammalian target of rapamycin complex 1 (mTORC1) by hypoxia: causes and consequences. <i>Targeted Oncology</i> , 2011, 6, 95-102.	1.7	19
1434	Mammalian target of rapamycin as a target in hematological malignancies. <i>Targeted Oncology</i> , 2011, 6, 53-61.	1.7	18
1435	Targeting phosphatidylinositol 3 kinase (PI3K)-Akt beyond rapalogs. <i>Targeted Oncology</i> , 2011, 6, 103-117.	1.7	37
1436	Targeting the target of rapamycin (TOR): looking to mother nature. <i>Targeted Oncology</i> , 2011, 6, 1-4.	1.7	2
1437	The mTOR kinase inhibitor rapamycin decreases iNOS mRNA stability in astrocytes. <i>Journal of Neuroinflammation</i> , 2011, 8, 1.	3.1	139
1438	Two-dose-level confirmatory study of the pharmacokinetics and tolerability of everolimus in Chinese patients with advanced solid tumors. <i>Journal of Hematology and Oncology</i> , 2011, 4, 3.	6.9	22
1439	Involvement of mTOR signaling in sphingosylphosphorylcholine-induced hypopigmentation effects. <i>Journal of Biomedical Science</i> , 2011, 18, 55.	2.6	16
1440	Mechanisms controlling hematopoietic stem cell functions during normal hematopoiesis and hematological malignancies. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 681-701.	6.6	96
1441	Identification of phosphatase 2A-like Sit4-mediated signalling and ubiquitin-dependent protein sorting as modulators of caffeine sensitivity in <i>S. cerevisiae</i> . <i>Yeast</i> , 2011, 28, 189-204.	0.8	8
1442	Inhibition of mTOR signaling by oleanolic acid contributes to its anti-tumor activity in osteosarcoma cells. <i>Journal of Orthopaedic Research</i> , 2011, 29, 846-852.	1.2	66
1443	Dopaminergic pathway reconstruction by Akt/Rheb-induced axon regeneration. <i>Annals of Neurology</i> , 2011, 70, 110-120.	2.8	121
1444	Rapamycin-sensitive signals control TCR/CD28-driven <i>lfn3</i> , <i>Il4</i> and <i>Foxp3</i> transcription and promoter region methylation. <i>European Journal of Immunology</i> , 2011, 41, 2086-2096.	1.6	17
1445	mTORC1 and mTORC2-interacting proteins keep their multifunctional partners focused. <i>IUBMB Life</i> , 2011, 63, 896-914.	1.5	71
1446	Alkaline stress-induced autophagy is mediated by mTORC1 inactivation. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2566-2573.	1.2	14
1447	Myostatin inactivation increases myotube size through regulation of translational initiation machinery. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3531-3542.	1.2	33
1448	The activation state of the inositol 1,4,5-trisphosphate receptor regulates the velocity of intracellular Ca ²⁺ waves in bovine aortic endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3722-3731.	1.2	4
1449	CDNA cloning and characterization of S6 kinase and its effect on yolk protein gene expression in the oriental fruit fly <i>Bactrocera dorsalis</i> (Hendel). <i>Archives of Insect Biochemistry and Physiology</i> , 2011, 78, 177-189.	0.6	12
1450	Imidazo[1,5-a]pyrazines: Orally efficacious inhibitors of mTORC1 and mTORC2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 2092-2097.	1.0	21

#	ARTICLE	IF	CITATIONS
1451	CCI-779 Inhibits Cell-Cycle G2â€M Progression and Invasion of Castration-Resistant Prostate Cancer via Attenuation of UBE2C Transcription and mRNA Stability. <i>Cancer Research</i> , 2011, 71, 4866-4876.	0.4	50
1452	Cardiac Raptor Ablation Impairs Adaptive Hypertrophy, Alters Metabolic Gene Expression, and Causes Heart Failure in Mice. <i>Circulation</i> , 2011, 123, 1073-1082.	1.6	219
1453	Gastric Cancer Growth Control by BEZ235<i>In Vivo</i>Does Not Correlate with PI3K/mTOR Target Inhibition but with [18F]FLT Uptake. <i>Clinical Cancer Research</i> , 2011, 17, 5322-5332.	3.2	33
1454	Ras1CA overexpression in the posterior silk gland improves silk yield. <i>Cell Research</i> , 2011, 21, 934-943.	5.7	77
1455	Inhibition of mTOR with sirolimus does not attenuate progression of liver and kidney disease in PCK rats. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 92-100.	0.4	68
1456	Molecular functions of the PP2A regulatory subunit Tap46 in plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 1067-1068.	1.2	5
1457	Evolution of the Ras-like small GTPases and their regulators. <i>Small GTPases</i> , 2011, 2, 4-16.	0.7	54
1458	The reverse, but coordinated, roles of Tor2 (TORC1) and Tor1 (TORC2) kinases for growth, cell cycle and separate-mediated mitosis in<i>Schizosaccharomyces pombe</i>. <i>Open Biology</i> , 2011, 1, 110007.	1.5	64
1459	Autophagy induction by tetrahydrobiopterin deficiency. <i>Autophagy</i> , 2011, 7, 1323-1334.	4.3	18
1460	<i>SUP35</i> expression is enhanced in yeast containing [<i>isp< <i="" a="" form="" i><sup>+<="" of="" prion="" regulator="" sfp1.="" sup>],="" the="" transcriptional="">Prion, 2011, 5, 317-322.</i>isp<>	0.9	9
1461	Target of Rapamycin Regulates Development and Ribosomal RNA Expression through Kinase Domain in Arabidopsis Å Å. <i>Plant Physiology</i> , 2011, 155, 1367-1382.	2.3	168
1462	The mTOR inhibitor, everolimus (RAD001), overcomes resistance to imatinib in quiescent Ph-positive acute lymphoblastic leukemia cells. <i>Blood Cancer Journal</i> , 2011, 1, e17-e17.	2.8	12
1463	Hyperinsulinemia Induces Insulin Resistance in Dorsal Root Ganglion Neurons. <i>Endocrinology</i> , 2011, 152, 3638-3647.	1.4	88
1464	The Intrauterine Growth Restriction Phenotype: Fetal Adaptations and Potential Implications for Later Life Insulin Resistance and Diabetes. <i>Seminars in Reproductive Medicine</i> , 2011, 29, 225-236.	0.5	115
1465	mTOR Inhibitors: Facing New Challenges Ahead. <i>Current Medicinal Chemistry</i> , 2011, 18, 2743-2762.	1.2	8
1466	Promising Pharmacological, Molecular and Cellular Treatments of Autoimmune Hepatitis. <i>Current Pharmaceutical Design</i> , 2011, 17, 3120-3140.	0.9	35
1467	Stress-Responsive Sestrins Link p53 with Redox Regulation and Mammalian Target of Rapamycin Signaling. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1679-1690.	2.5	166
1468	GLUT1 enhances mTOR activity independently of TSC2 and AMPK. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F588-F596.	1.3	54

#	ARTICLE	IF	CITATIONS
1469	Preclinical Characterization of OSI-027, a Potent and Selective Inhibitor of mTORC1 and mTORC2: Distinct from Rapamycin. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 1394-1406.	1.9	171
1470	The metabolic and toxicological considerations for mTOR inhibitors in the treatment of hepatocarcinoma. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2011, 7, 1535-1546.	1.5	7
1471	Retinoic Acid Induces Autophagosome Maturation Through Redistribution of the Cation-Independent Mannose-6-Phosphate Receptor. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2165-2177.	2.5	30
1472	Observation of Morphology and Proliferative Density for Cashmere Goat Fetal Fibroblasts after mTOR Inhibition with Optical Microscope Cell Imaging. , 2011, , .		0
1473	Regulation of autophagy by extracellular matrix glycoproteins in HeLa cells. <i>Autophagy</i> , 2011, 7, 27-39.	4.3	26
1474	Potent anti-proliferative effects of metformin on trastuzumab-resistant breast cancer cells via inhibition of erbB2/IGF-1 receptor interactions. <i>Cell Cycle</i> , 2011, 10, 2959-2966.	1.3	128
1475	Regulation of TFEB and V-ATPases by mTORC1. <i>EMBO Journal</i> , 2011, 30, 3242-3258.	3.5	379
1476	Aging and Immune Function: Molecular Mechanisms to Interventions. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1551-1585.	2.5	253
1477	Translational research. <i>Current Opinion in Pediatrics</i> , 2011, 23, 633-639.	1.0	24
1478	Aurora promotes cell division during recovery from TOR-mediated cell cycle arrest by driving spindle pole body recruitment of Polo. <i>Journal of Cell Science</i> , 2011, 124, 3441-3449.	1.2	16
1479	Regulation of entry into gametogenesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3521-3531.	1.8	98
1480	Nutrient limitations alter cell division control and chromosome segregation through growth-related kinases and phosphatases. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3508-3520.	1.8	54
1481	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
1482	PI3K-mTORC1 Attenuates Stress Response by Inhibiting Cap-independent Hsp70 Translation. <i>Journal of Biological Chemistry</i> , 2011, 286, 6791-6800.	1.6	44
1483	Morphological Observation of the Cashmere Goat Fetal Fibroblasts after mTOR Kinase Inhibition with Combination of Fluorescent Dyes and Confocal Cell Imaging. <i>Advanced Materials Research</i> , 2011, 343-344, 590-593.	0.3	0
1484	Potential upstream regulators and downstream targets of AMP-activated kinase signaling during oocyte maturation in a marine worm. <i>Reproduction</i> , 2011, 142, 29-39.	1.1	16
1485	Novel synthetic small molecule activators of AMPK as enhancers of autophagy and amyloid β peptide degradation. <i>FASEB Journal</i> , 2011, 25, 219-231.	0.2	209
1486	Differential Expression of S6K2 Dictates Tissue-Specific Requirement for S6K1 in Mediating Aberrant mTORC1 Signaling and Tumorigenesis. <i>Cancer Research</i> , 2011, 71, 3669-3675.	0.4	19

#	ARTICLE	IF	CITATIONS
1487	Redeployment-based drug screening identifies the anti-helminthic niclosamide as anti-myeloma therapy that also reduces free light chain production. <i>Blood Cancer Journal</i> , 2011, 1, e39-e39.	2.8	71
1488	Overexpression of the autophagic beclin-1 protein clears mutant ataxin-3 and alleviates Machado-Joseph disease. <i>Brain</i> , 2011, 134, 1400-1415.	3.7	171
1489	Interplay Between pVHL and mTORC1 Pathways in Clear-Cell Renal Cell Carcinoma. <i>Molecular Cancer Research</i> , 2011, 9, 1255-1265.	1.5	97
1490	Resveratrol inhibits mTOR signaling by targeting DEPTOR. <i>Communicative and Integrative Biology</i> , 2011, 4, 382-384.	0.6	19
1491	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
1492	Role of mTOR in podocyte function and diabetic nephropathy in humans and mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 2197-2209.	3.9	467
1493	Redox Regulates Mammalian Target of Rapamycin Complex 1 (mTORC1) Activity by Modulating the TSC1/TSC2-Rheb GTPase Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 32651-32660.	1.6	123
1494	Selective pharmacogenetic inhibition of mammalian target of Rapamycin complex 1 (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
1495	Regulation of mTORC1 Complex Assembly and Signaling by GRp58/ERp57. <i>Molecular and Cellular Biology</i> , 2011, 31, 1657-1671.	1.1	52
1496	The serine-threonine kinase LKB1 is essential for survival under energetic stress in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4358-4363.	3.3	59
1497	Dominant Inhibition of Akt/Protein Kinase B Signaling by the Matrix Protein of a Negative-Strand RNA Virus. <i>Journal of Virology</i> , 2011, 85, 422-431.	1.5	37
1498	Myopathy caused by mammalian target of rapamycin complex 1 (mTORC1) inactivation is not reversed by restoring mitochondrial function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20808-20813.	3.3	38
1499	Uterine Histotroph and Conceptus Development: Select Nutrients and Secreted Phosphoprotein 1 Affect Mechanistic Target of Rapamycin Cell Signaling in Ewes. <i>Biology of Reproduction</i> , 2011, 85, 1094-1107.	1.2	81
1500	The PP2A Regulatory Subunit Tap46, a Component of the TOR Signaling Pathway, Modulates Growth and Metabolism in Plants. <i>Plant Cell</i> , 2011, 23, 185-209.	3.1	158
1501	A Phase II Trial of Bevacizumab plus Everolimus for Patients with Refractory Metastatic Colorectal Cancer. <i>Oncologist</i> , 2011, 16, 1131-1137.	1.9	58
1502	Lysosomal Transmembrane Protein LAMP4B Promotes Autophagy and Tolerance to Metabolic Stress in Cancer Cells. <i>Cancer Research</i> , 2011, 71, 7481-7489.	0.4	74
1503	Rho-associated Kinase Connects a Cell Cycle-controlling Anchorage Signal to the Mammalian Target of Rapamycin Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 23132-23141.	1.6	21
1504	The Identification of Raptor as a Substrate for p44/42 MAPK. <i>Endocrinology</i> , 2011, 152, 1264-1273.	1.4	14

#	ARTICLE	IF	CITATIONS
1505	GSK-3 β at the crossroads in the signalling of heart preconditioning: implication of mTOR and Wnt pathways. <i>Cardiovascular Research</i> , 2011, 90, 49-56.	1.8	89
1506	Mechanisms and pathways of growth failure in primordial dwarfism. <i>Genes and Development</i> , 2011, 25, 2011-2024.	2.7	180
1507	An evaluation tool for FKBP12-dependent and -independent mTOR inhibitors using a combination of FKBP-mTOR fusion protein, DSC and NMR. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 811-817.	1.0	7
1508	Efficacy of Sunitinib Re-Exposure after Failure of an mTOR Inhibitor in Patients with Metastatic RCC. <i>Onkologie</i> , 2011, 34, 310-314.	1.1	36
1509	Select Nutrients in the Ovine Uterine Lumen. VIII. Arginine Stimulates Proliferation of Ovine Trophectoderm Cells Through MTOR-RPS6K-RPS6 Signaling Cascade and Synthesis of Nitric Oxide and Polyamines1. <i>Biology of Reproduction</i> , 2011, 84, 70-78.	1.2	72
1510	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
1511	NAD Blocks High Glucose Induced Mesangial Hypertrophy via Activation of the Sirtuins-AMPK-mTOR Pathway. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 681-690.	1.1	61
1512	The Role of Iron in Learning and Memory. <i>Advances in Nutrition</i> , 2011, 2, 112-121.	2.9	193
1513	Targeted Therapy in Hepatocellular Carcinoma. <i>International Journal of Hepatology</i> , 2011, 2011, 1-11.	0.4	23
1514	Management Options in Triple-Negative Breast Cancer. <i>Breast Cancer: Basic and Clinical Research</i> , 2011, 5, BCBCR.S6562.	0.6	34
1515	mTOR Signaling, Function, Novel Inhibitors, and Therapeutic Targets. <i>Journal of Nuclear Medicine</i> , 2011, 52, 497-500.	2.8	141
1516	Rapamycin-mediated mTOR inhibition attenuates survivin and sensitizes glioblastoma cells to radiation therapy. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 292-300.	0.9	42
1517	Mitochondrial Genomic Dysfunction Causes Dephosphorylation of Sch9 in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2011, 10, 1367-1369.	3.4	29
1518	Crystal structure of the Gtr1p-Gtr2p complex reveals new insights into the amino acid-induced TORC1 activation. <i>Genes and Development</i> , 2011, 25, 1668-1673.	2.7	93
1519	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
1520	Amino Acids Activate Mammalian Target of Rapamycin Complex 2 (mTORC2) via PI3K/Akt Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 6128-6142.	1.6	164
1521	A New Cytosolic Pathway from a Parkinson Disease-associated Kinase, BRPK/PINK1. <i>Journal of Biological Chemistry</i> , 2011, 286, 7182-7189.	1.6	101
1522	Naturally Secreted Amyloid- β Increases Mammalian Target of Rapamycin (mTOR) Activity via a PRAS40-mediated Mechanism. <i>Journal of Biological Chemistry</i> , 2011, 286, 8924-8932.	1.6	152

#	ARTICLE	IF	CITATIONS
1523	mSIN1 Protein Mediates SGK1 Protein Interaction with mTORC2 Protein Complex and Is Required for Selective Activation of the Epithelial Sodium Channel. <i>Journal of Biological Chemistry</i> , 2011, 286, 30647-30654.	1.6	47
1524	The Evolving Role of mTOR Inhibition in Transplantation Tolerance. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 408-415.	3.0	60
1525	Characterization of the Metabolic Phenotype of Rapamycin-Treated CD8+ T Cells with Augmented Ability to Generate Long-Lasting Memory Cells. <i>PLoS ONE</i> , 2011, 6, e20107.	1.1	56
1526	Association of Anthropogenic Land Use Change and Increased Abundance of the Chagas Disease Vector <i>Rhodnius pallescens</i> in a Rural Landscape of Panama. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 70-77.	0.6	62
1528	Therapeutic Implications of the Emerging Molecular Biology of Uveal Melanoma. <i>Clinical Cancer Research</i> , 2011, 17, 2087-2100.	3.2	103
1529	Regulatory Circuitry Governing Fungal Development, Drug Resistance, and Disease. <i>Microbiology and Molecular Biology Reviews</i> , 2011, 75, 213-267.	2.9	448
1530	Autophagy in protists. <i>Autophagy</i> , 2011, 7, 127-158.	4.3	148
1531	Diverse environmental stresses elicit distinct responses at the level of pre-mRNA processing in yeast. <i>Rna</i> , 2011, 17, 1461-1478.	1.6	55
1532	Antagonistic control of muscle cell size by AMPK and mTORC1. <i>Cell Cycle</i> , 2011, 10, 2640-2646.	1.3	75
1533	Characterization of GSK2334470, a novel and highly specific inhibitor of PDK1. <i>Biochemical Journal</i> , 2011, 433, 357-369.	1.7	128
1534	Modularity and hormone sensitivity of the <i>Drosophila melanogaster</i> insulin receptor/target of rapamycin interaction proteome. <i>Molecular Systems Biology</i> , 2011, 7, 547.	3.2	60
1535	mTOR inhibitors in renal cell carcinoma. <i>Therapy: Open Access in Clinical Medicine</i> , 2011, 8, 359-367.	0.2	94
1536	How moderate changes in Akt T-loop phosphorylation impact on tumorigenesis and insulin resistance. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 95-103.	1.2	14
1537	Signaling at the gate: Phosphorylation of the mitochondrial protein import machinery. <i>Cell Cycle</i> , 2011, 10, 2083-2090.	1.3	37
1538	The Mechanism of Insulin-stimulated 4E-BP Protein Binding to Mammalian Target of Rapamycin (mTOR) Complex 1 and Its Contribution to mTOR Complex 1 Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 38043-38053.	1.6	33
1539	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
1540	l-Threonine Regulates G1/S Phase Transition of Mouse Embryonic Stem Cells via PI3K/Akt, MAPKs, and mTORC Pathways. <i>Journal of Biological Chemistry</i> , 2011, 286, 23667-23678.	1.6	70
1541	Differential Signaling by Adaptor Molecules LRP1 and ShcA Regulates Adipogenesis by the Insulin-like Growth Factor-1 Receptor. <i>Journal of Biological Chemistry</i> , 2011, 286, 16775-16782.	1.6	25

#	ARTICLE	IF	CITATIONS
1542	Reduction in Ribosomal Protein Synthesis Is Sufficient To Explain Major Effects on Ribosome Production after Short-Term TOR Inactivation in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2011, 31, 803-817.	1.1	35
1543	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
1544	Evidence for Direct Activation of mTORC2 Kinase Activity by Phosphatidylinositol 3,4,5-Trisphosphate. <i>Journal of Biological Chemistry</i> , 2011, 286, 10998-11002.	1.6	168
1545	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
1546	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
1547	Nucleolar Disruption in Dopaminergic Neurons Leads to Oxidative Damage and Parkinsonism through Repression of Mammalian Target of Rapamycin Signaling. <i>Journal of Neuroscience</i> , 2011, 31, 453-460.	1.7	136
1548	The growing role of the Hippo-NDR kinase signalling in neuronal development and disease. <i>Journal of Biochemistry</i> , 2011, 150, 133-141.	0.9	40
1549	Î-Leucine, Î-Methionine, and Î-Lysine Are Involved in the Regulation of Intermediary Metabolism-Related Gene Expression in Rainbow Trout Hepatocytes. <i>Journal of Nutrition</i> , 2011, 141, 75-80.	1.3	98
1550	Growth Signaling from Inside. <i>Science</i> , 2011, 334, 611-612.	6.0	1
1551	Translational Control of the Abundance of Cytoplasmic Poly(A) Binding Protein in Human Cytomegalovirus-Infected Cells. <i>Journal of Virology</i> , 2011, 85, 156-164.	1.5	30
1552	Rictor/mTORC2 Is Essential for Maintaining a Balance Between Î²-Cell Proliferation and Cell Size. <i>Diabetes</i> , 2011, 60, 827-837.	0.3	136
1553	Assessing the Relevance of Light for Fungi. <i>Advances in Applied Microbiology</i> , 2011, 76, 27-78.	1.3	21
1554	MicroRNA-21 Orchestrates High Glucose-induced Signals to TOR Complex 1, Resulting in Renal Cell Pathology in Diabetes. <i>Journal of Biological Chemistry</i> , 2011, 286, 25586-25603.	1.6	198
1555	Induction of steroid sulfatase expression by tumor necrosis factor-Î± through phosphatidylinositol 3-kinase/Akt signaling pathway in PC-3 human prostate cancer cells. <i>Experimental and Molecular Medicine</i> , 2011, 43, 646.	3.2	17
1556	A 'Tsc, Tsc' keeps the kids quiet and holds down ROS. <i>Nature Immunology</i> , 2011, 12, 811-812.	7.0	3
1557	Frontier of Epilepsy Research - mTOR signaling pathway. <i>Experimental and Molecular Medicine</i> , 2011, 43, 231.	3.2	74
1558	Interaction of p53 with Tumor Suppressive and Oncogenic Signaling Pathways to Control Cellular Reactive Oxygen Species Production. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1749-1761.	2.5	51
1559	Resistance exercise enhances the molecular signaling of mitochondrial biogenesis induced by endurance exercise in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2011, 111, 1335-1344.	1.2	136

#	ARTICLE	IF	CITATIONS
1560	Research and innovation in the development of everolimus for oncology. <i>Expert Opinion on Drug Discovery</i> , 2011, 6, 323-338.	2.5	24
1561	Aging kidney: modern perspectives for an "old" problem. <i>Aging Health</i> , 2011, 7, 737-748.	0.3	2
1562	The metabolic footprint of aging in mice. <i>Scientific Reports</i> , 2011, 1, 134.	1.6	440
1563	Autophagy and cancer therapy. <i>Cancer Biology and Therapy</i> , 2011, 11, 127-137.	1.5	278
1564	Targeting the Phosphatidylinositol 3-Kinase Signaling Pathway in Breast Cancer. <i>Oncologist</i> , 2011, 16, 404-414.	1.9	149
1565	MAPK/ERK Signaling Regulates Insulin Sensitivity to Control Glucose Metabolism in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2011, 7, e1002429.	1.5	114
1566	Dietary carbohydrate-to-protein ratio affects TOR signaling and metabolism-related gene expression in the liver and muscle of rainbow trout after a single meal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R733-R743.	0.9	113
1567	Activation of Protein Kinase C- η in Pancreatic β -Cells In Vivo Improves Glucose Tolerance and Induces β -Cell Expansion via mTOR Activation. <i>Diabetes</i> , 2011, 60, 2546-2559.	0.3	42
1568	ATP-competitive inhibitors of mTOR: new perspectives in the treatment of renal cell carcinoma. <i>Biochemical Society Transactions</i> , 2011, 39, 492-494.	1.6	7
1569	MAF1: a new target of mTORC1. <i>Biochemical Society Transactions</i> , 2011, 39, 487-491.	1.6	31
1570	mTORC1/2 and rapamycin in female Han:SPRD rats with polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F236-F244.	1.3	41
1571	Altering Trehalose-6-Phosphate Content in Transgenic Potato Tubers Affects Tuber Growth and Alters Responsiveness to Hormones during Sprouting. <i>Plant Physiology</i> , 2011, 156, 1754-1771.	2.3	138
1572	Drug discovery for polycystic kidney disease. <i>Acta Pharmacologica Sinica</i> , 2011, 32, 805-816.	2.8	35
1573	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
1574	The Phosphatidylinositol 3-Kinase/mTOR Pathway as a Therapeutic Target for Brain Aging and Neurodegeneration. <i>Pharmaceuticals</i> , 2011, 4, 1070-1087.	1.7	20
1575	Dynamic profiling of mRNA turnover reveals gene-specific and system-wide regulation of mRNA decay. <i>Molecular Biology of the Cell</i> , 2011, 22, 2787-2795.	0.9	181
1576	Morphoproteomics demonstrates activation of mammalian target of rapamycin pathway in papillary thyroid carcinomas with nuclear translocation of MTOR in aggressive histological variants. <i>Modern Pathology</i> , 2011, 24, 1553-1559.	2.9	17
1577	Enhanced sensitivity to rapamycin following long-term oestrogen deprivation in MCF-7, T-47-D and ZR-75-1 human breast cancer cells. <i>Journal of Endocrinology</i> , 2011, 208, 21-29.	1.2	7

#	ARTICLE	IF	CITATIONS
1578	Hyphal Development in <i>Candida albicans</i> Requires Two Temporally Linked Changes in Promoter Chromatin for Initiation and Maintenance. <i>PLoS Biology</i> , 2011, 9, e1001105.	2.6	152
1579	AMPK $\hat{+}$ ULK1 $\hat{+}$ Autophagy. <i>Molecular and Cellular Biology</i> , 2011, 31, 3082-3084.	1.1	124
1580	Impact of Pyrrolidine Dithiocarbamate and Interleukin-6 on Mammalian Target of Rapamycin Complex 1 Regulation and Global Protein Translation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 905-913.	1.3	10
1581	Leucine-stimulated mTOR signaling is partly attenuated in skeletal muscle of chronically uremic rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E873-E881.	1.8	21
1582	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
1583	Rapamycin treatment augments both protein ubiquitination and Akt activation in pressure-overloaded rat myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1696-H1706.	1.5	33
1584	Antagonistic Interactions Between the cAMP-Dependent Protein Kinase and Tor Signaling Pathways Modulate Cell Growth in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2011, 187, 441-454.	1.2	49
1585	Docosahexaenoic Acid Signaling Modulates Cell Survival in Experimental Ischemic Stroke Penumbra and Initiates Long-Term Repair in Young and Aged Rats. <i>PLoS ONE</i> , 2012, 7, e46151.	1.1	71
1586	The Nucleolus of <i>Caenorhabditis elegans</i> . <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	27
1587	PP4 dephosphorylates Maf1 to couple multiple stress conditions to RNA polymerase III repression. <i>EMBO Journal</i> , 2012, 31, 1440-1452.	3.5	39
1588	Glucose, Nitrogen, and Phosphate Repletion in <i>Saccharomyces cerevisiae</i> : Common Transcriptional Responses to Different Nutrient Signals. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 1003-1017.	0.8	31
1589	Overcoming endocrine resistance in breast cancer: importance of mTOR inhibition. <i>Expert Review of Anticancer Therapy</i> , 2012, 12, 1579-1589.	1.1	21
1590	Hepatitis C Virus NS5A Binds to the mRNA Cap-binding Eukaryotic Translation Initiation 4F (eIF4F) Complex and Up-regulates Host Translation Initiation Machinery through eIF4E-binding Protein 1 Inactivation. <i>Journal of Biological Chemistry</i> , 2012, 287, 5042-5058.	1.6	46
1591	Glutaminolysis feeds mTORC1. <i>Cell Cycle</i> , 2012, 11, 4107-4108.	1.3	55
1592	Induction of Biogenic Magnetization and Redox Control by a Component of the Target of Rapamycin Complex 1 Signaling Pathway. <i>PLoS Biology</i> , 2012, 10, e1001269.	2.6	48
1593	Regulation of metabolism by dietary carbohydrates in two lines of rainbow trout divergently selected for muscle fat content. <i>Journal of Experimental Biology</i> , 2012, 215, 2567-2578.	0.8	126
1594	SMG-1 and mTORC1 Act Antagonistically to Regulate Response to Injury and Growth in Planarians. <i>PLoS Genetics</i> , 2012, 8, e1002619.	1.5	82
1595	Cystogenesis and elongated primary cilia in <i>Tsc1</i> -deficient distal convoluted tubules. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F584-F592.	1.3	30

#	ARTICLE	IF	CITATIONS
1596	A specific role for phosphoinositide 3-kinase and AKT in osteoblasts?. <i>Frontiers in Endocrinology</i> , 2012, 3, 88.	1.5	73
1597	A Conserved Role of IQGAP1 in Regulating TOR Complex 1. <i>Journal of Cell Science</i> , 2012, 125, 2041-52.	1.2	41
1598	Computational Modeling of the Metabolic States Regulated by the Kinase Akt. <i>Frontiers in Physiology</i> , 2012, 3, 418.	1.3	20
1599	PI3K/Akt/mTOR, a Pathway Less Recognized for Staphylococcal Superantigen-Induced Toxicity. <i>Toxins</i> , 2012, 4, 1343-1366.	1.5	16
1600	The Many Faces of Mitochondrial Autophagy: Making Sense of Contrasting Observations in Recent Research. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-18.	1.0	21
1601	An evaluation of sirolimus in renal transplantation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 1337-1356.	1.5	26
1602	Emerging role of autophagy in kidney function, diseases and aging. <i>Autophagy</i> , 2012, 8, 1009-1031.	4.3	228
1603	LST8 Regulates Cell Growth via Target-of-Rapamycin Complex 2 (TORC2). <i>Molecular and Cellular Biology</i> , 2012, 32, 2203-2213.	1.1	33
1604	Altered nuclear tRNA metabolism in <i>La-deleted Schizosaccharomyces pombe</i> is accompanied by a nutritional stress response involving Atf1p and Pcr1p that is suppressible by Xpo-t/Los1p. <i>Molecular Biology of the Cell</i> , 2012, 23, 480-491.	0.9	21
1605	Dose-Dependent Effects of Sirolimus on mTOR Signaling and Polycystic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 842-853.	3.0	84
1606	Dynamic regulation of Th17 differentiation by oxygen concentrations. <i>International Immunology</i> , 2012, 24, 137-146.	1.8	64
1607	Increase in Cholesterol Predicts Survival Advantage in Renal Cell Carcinoma Patients Treated with Temsirolimus. <i>Clinical Cancer Research</i> , 2012, 18, 3188-3196.	3.2	63
1608	Mechanistic target of rapamycin inhibitors in solid organ transplantation. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 626-633.	0.8	27
1609	Temsirolimus: a safety and efficacy review. <i>Expert Opinion on Drug Safety</i> , 2012, 11, 861-879.	1.0	36
1610	Mammalian target of rapamycin signaling in the podocyte. <i>Current Opinion in Nephrology and Hypertension</i> , 2012, 21, 251-257.	1.0	34
1611	Interplay between the cellular autophagy machinery and positive-stranded RNA viruses. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 375-384.	0.9	49
1612	Phosphatidylinositol 3-kinase/AKT/mammalian target of rapamycin pathway inhibition. <i>Current Opinion in Oncology</i> , 2012, 24, 623-634.	1.1	44
1613	Cutting Edge: mTORC1 in Intestinal CD11c+CD11b+ Dendritic Cells Regulates Intestinal Homeostasis by Promoting IL-10 Production. <i>Journal of Immunology</i> , 2012, 188, 4736-4740.	0.4	68

#	ARTICLE	IF	CITATIONS
1614	TORC2 Signaling Is Antagonized by Protein Phosphatase 2A and the Far Complex in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2012, 190, 1325-1339.	1.2	39
1615	Plasma membrane recruitment and activation of the AGC kinase Ypk1 is mediated by target of rapamycin complex 2 (TORC2) and its effector proteins Slm1 and Slm2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1536-1541.	3.3	123
1616	An Introduction to Phosphoinositides. <i>Current Topics in Microbiology and Immunology</i> , 2012, 362, 1-42.	0.7	17
1617	Cell-free reconstitution of vacuole membrane fragmentation reveals regulation of vacuole size and number by TORC1. <i>Molecular Biology of the Cell</i> , 2012, 23, 881-895.	0.9	75
1618	Nutrient Supplementation and Neurodevelopment. <i>JAMA Pediatrics</i> , 2012, 166, 481.	3.6	34
1619	Anticancer Activity of Novel Daphnane Diterpenoids from <i>Daphne genkwa</i> through Cell-Cycle Arrest and Suppression of Akt/STAT/Src Signalings in Human Lung Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2012, 20, 513-519.	1.1	36
1620	Attenuation of TORC1 signaling delays replicative and oncogenic RAS-induced senescence. <i>Cell Cycle</i> , 2012, 11, 2391-2401.	1.3	108
1621	The histone H3 lysine 56 acetylation pathway is regulated by target of rapamycin (TOR) signaling and functions directly in ribosomal RNA biogenesis. <i>Nucleic Acids Research</i> , 2012, 40, 6534-6546.	6.5	79
1622	Honokiol: A Novel Natural Agent for Cancer Prevention and Therapy. <i>Current Molecular Medicine</i> , 2012, 12, 1244-1252.	0.6	192
1623	MAINTAINING AUTOPHAGIC BALANCE: A ROLE FOR BRAKES. , 2012, , 105-125.		0
1624	Found in translation of mTOR signaling. <i>Cell Research</i> , 2012, 22, 1315-1318.	5.7	12
1625	Diminished muscle growth in the obese Zucker rat following overload is associated with hyperphosphorylation of AMPK and dsRNA-dependent protein kinase. <i>Journal of Applied Physiology</i> , 2012, 113, 377-384.	1.2	6
1626	Suppression of replicative senescence by rapamycin in rodent embryonic cells. <i>Cell Cycle</i> , 2012, 11, 2402-2407.	1.3	76
1627	Combined mTOR Inhibition and OX40 Agonism Enhances CD8+ T Cell Memory and Protective Immunity Produced by Recombinant Adenovirus Vaccines. <i>Molecular Therapy</i> , 2012, 20, 860-869.	3.7	9
1628	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
1629	BiP links TOR signaling to ER stress in <i>Chlamydomonas</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 273-275.	1.2	9
1630	Emerging roles for Sam68 in adipogenesis and neuronal development. <i>RNA Biology</i> , 2012, 9, 1129-1133.	1.5	16
1631	Reconstitution of leucine-mediated autophagy via the mTORC1-Barkor pathway in vitro. <i>Autophagy</i> , 2012, 8, 213-221.	4.3	20

#	ARTICLE	IF	CITATIONS
1632	Rags connect mTOR and autophagy. <i>Small GTPases</i> , 2012, 3, 111-114.	0.7	8
1633	Placental Glucose and Amino Acid Transport in Calorie-Restricted Wild-Type and Glut3 Null Heterozygous Mice. <i>Endocrinology</i> , 2012, 153, 3995-4007.	1.4	52
1634	Rapalogs in cancer prevention. <i>Cancer Biology and Therapy</i> , 2012, 13, 1349-1354.	1.5	76
1635	Two new kinases in the TOR signaling network regulate ribosome and tRNA synthesis. <i>Cell Cycle</i> , 2012, 11, 2769-2770.	1.3	3
1636	TOR under stress: Targeting TORC1 by Rho1 GTPase. <i>Cell Cycle</i> , 2012, 11, 3384-3388.	1.3	13
1637	Integrated regulation of PIKK-mediated stress responses by AAA+ proteins RUVBL1 and RUVBL2. <i>Nucleus</i> , 2012, 3, 29-43.	0.6	44
1638	Deletion of Tuberous Sclerosis 1 in Somatic Cells of the Murine Reproductive Tract Causes Female Infertility. <i>Endocrinology</i> , 2012, 153, 404-416.	1.4	41
1639	A computational multiscale model of glioblastoma growth: Regulation of cell migration and proliferation via microRNA-451, LKB1 and AMPK. , 2012, 2012, 6620-3.		6
1640	Regulation of mRNA Translation by Signaling Pathways. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a012252-a012252.	2.3	146
1641	Therapeutic metformin/AMPK activation blocked lymphoma cell growth via inhibition of mTOR pathway and induction of autophagy. <i>Cell Death and Disease</i> , 2012, 3, e275-e275.	2.7	266
1642	Cross Talk Between Estradiol and mTOR Kinase in the Regulation of Ovarian Granulosa Proliferation. <i>Reproductive Sciences</i> , 2012, 19, 143-151.	1.1	16
1643	Molecules and their functions in autophagy. <i>Experimental and Molecular Medicine</i> , 2012, 44, 73.	3.2	197
1644	Phospholipase D2 (PLD2) Shortens the Time Required for Myeloid Leukemic Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2012, 287, 393-407.	1.6	9
1645	Functional RNA Interference (RNAi) Screen Identifies System A Neutral Amino Acid Transporter 2 (SNAT2) as a Mediator of Arsenic-induced Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2012, 287, 6025-6034.	1.6	29
1646	Prolonged Production of Reactive Oxygen Species in Response to B Cell Receptor Stimulation Promotes B Cell Activation and Proliferation. <i>Journal of Immunology</i> , 2012, 189, 4405-4416.	0.4	125
1647	Preferential Expansion of Human Virus-Specific Multifunctional Central Memory T Cells by Partial Targeting of the IL-2 Receptor Signaling Pathway: The Key Role of CD4+ T Cells. <i>Journal of Immunology</i> , 2012, 188, 5189-5198.	0.4	22
1648	<i>Drosophila</i> RNA polymerase III repressor Maf1 controls body size and developmental timing by modulating tRNA ^{Met} synthesis and systemic insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1139-1144.	3.3	100
1649	Unrestrained Mammalian Target of Rapamycin Complexes 1 and 2 Increase Expression of Phosphatase and Tensin Homolog Deleted on Chromosome 10 to Regulate Phosphorylation of Akt Kinase. <i>Journal of Biological Chemistry</i> , 2012, 287, 3808-3822.	1.6	37

#	ARTICLE	IF	CITATIONS
1650	Identification of Components of the Host Type IA Phosphoinositide 3-Kinase Pathway That Promote Internalization of <i>Listeria monocytogenes</i> . <i>Infection and Immunity</i> , 2012, 80, 1252-1266.	1.0	33
1651	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> . <i>Journal of Biological Chemistry</i> , 2012, 287, 6089-6099.	1.6	23
1652	Chemopreventive and Chemotherapeutic Actions of mTOR Inhibitor in Genetically Defined Head and Neck Squamous Cell Carcinoma Mouse Model. <i>Clinical Cancer Research</i> , 2012, 18, 5304-5313.	3.2	106
1653	Differential Transcriptomic Analysis of Spontaneous Lung Tumors in B6C3F1 Mice: Comparison to Human Non-Small Cell Lung Cancer. <i>Toxicologic Pathology</i> , 2012, 40, 1141-1159.	0.9	23
1654	Regulation of Autophagy and Its Associated Cell Death by Sphingolipid Rheostat. <i>Journal of Biological Chemistry</i> , 2012, 287, 39898-39910.	1.6	120
1655	Foot-and-Mouth Disease Virus Induces Autophagosomes during Cell Entry via a Class III Phosphatidylinositol 3-Kinase-Independent Pathway. <i>Journal of Virology</i> , 2012, 86, 12940-12953.	1.5	93
1656	Molecular Characterization and Functional Analysis of Cashmere Goat Mammalian Target of Rapamycin. <i>DNA and Cell Biology</i> , 2012, 31, 839-844.	0.9	3
1657	Regulation of TOR by small GTPases. <i>EMBO Reports</i> , 2012, 13, 121-128.	2.0	84
1658	Engineering Reduced-Immunogenicity Enzymes for Amino Acid Depletion Therapy in Cancer. <i>Methods in Enzymology</i> , 2012, 502, 291-319.	0.4	43
1659	Rapid Cytoplasmic Turnover of Yeast Ribosomes in Response to Rapamycin Inhibition of TOR. <i>Molecular and Cellular Biology</i> , 2012, 32, 2135-2144.	1.1	38
1660	TGF β 2-Stimulated MicroRNA-21 Utilizes PTEN to Orchestrate AKT/mTORC1 Signaling for Mesangial Cell Hypertrophy and Matrix Expansion. <i>PLoS ONE</i> , 2012, 7, e42316.	1.1	100
1661	mTOR signaling regulates the processing of pre-rRNA in human cells. <i>Nucleic Acids Research</i> , 2012, 40, 2527-2539.	6.5	88
1662	At a PI3K crossroads: lessons from flies and rodents. <i>Reviews in the Neurosciences</i> , 2012, 23, 29-37.	1.4	20
1663	The Chemokine CCL5 Regulates Glucose Uptake and AMP Kinase Signaling in Activated T Cells to Facilitate Chemotaxis. <i>Journal of Biological Chemistry</i> , 2012, 287, 29406-29416.	1.6	63
1664	PI3Ks' Drug Targets in Inflammation and Cancer. <i>Sub-Cellular Biochemistry</i> , 2012, 58, 111-181.	1.0	9
1665	Relationship of glucose and oleate metabolism to cardiac function in lipin-1 deficient (fld) mice. <i>Journal of Lipid Research</i> , 2012, 53, 105-118.	2.0	33
1666	Psk1, an AGC kinase family member in fission yeast, is directly phosphorylated and controlled by TORC1 and functions as S6 kinase. <i>Journal of Cell Science</i> , 2012, 125, 5840-5849.	1.2	64
1667	Chronic Autophagy Is a Cellular Adaptation to Tumor Acidic pH Microenvironments. <i>Cancer Research</i> , 2012, 72, 3938-3947.	0.4	224

#	ARTICLE	IF	CITATIONS
1668	Rheb, an activator of target of rapamycin, in the blackback land crab, <i>Gecarcinus lateralis</i> : cloning and effects of molting and unweighting on expression in skeletal muscle. <i>Journal of Experimental Biology</i> , 2012, 215, 590-604.	0.8	26
1669	The Role of mTOR Inhibitors for the Treatment of B-Cell Lymphomas. <i>Advances in Hematology</i> , 2012, 2012, 1-13.	0.6	21
1670	Everolimus for Advanced Pancreatic Neuroendocrine Tumours: A Subgroup Analysis Evaluating Japanese Patients in the RADIANT-3 Trial. <i>Japanese Journal of Clinical Oncology</i> , 2012, 42, 903-911.	0.6	47
1671	Tuberous sclerosis complex: genetic basis and management strategies. <i>Advances in Genomics and Genetics</i> , 2012, , 19.	0.8	3
1672	Autophagy as a Therapeutic Target in Diabetic Nephropathy. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-12.	3.8	92
1673	The role of mTOR signaling pathway in spinal cord injury. <i>Cell Cycle</i> , 2012, 11, 3175-3179.	1.3	92
1674	Autophagy regulates <i>Wolbachia</i> populations across diverse symbiotic associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1638-46.	3.3	105
1675	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
1676	Transient Activation of the PI3K-AKT Pathway by Hepatitis C Virus to Enhance Viral Entry. <i>Journal of Biological Chemistry</i> , 2012, 287, 41922-41930.	1.6	82
1677	Developmental regulation of N-terminal H2B methylation in <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> , 2012, 40, 1536-1549.	6.5	28
1678	<i>Drosophila</i> poly suggests a novel role for the Elongator complex in insulin receptor "target of rapamycin signalling. <i>Open Biology</i> , 2012, 2, 110031.	1.5	14
1679	The Hog1 SAPK controls the Rtg1/Rtg3 transcriptional complex activity by multiple regulatory mechanisms. <i>Molecular Biology of the Cell</i> , 2012, 23, 4286-4296.	0.9	51
1680	Expression of the Mammalian Target of Rapamycin Pathway Markers in Lung Adenocarcinoma and Squamous Cell Carcinoma. <i>Pathobiology</i> , 2012, 79, 84-93.	1.9	13
1681	The Biology of the RNA Binding Protein Guanine-Rich Sequence Binding Factor 1. <i>Current Protein and Peptide Science</i> , 2012, 13, 347-357.	0.7	21
1682	Leucyl-tRNA synthetase: double duty in amino acid sensing. <i>Cell Research</i> , 2012, 22, 1207-1209.	5.7	18
1683	TORC2 and the AGC kinase Gad8 regulate phosphorylation of the ribosomal protein S6 in fission yeast. <i>Biology Open</i> , 2012, 1, 884-888.	0.6	36
1684	Interspecies Chemical Signals Released into the Environment may Create Xenohormetic, Hormetic and Cytostatic Selective Forces that Drive the Ecosystemic Evolution of Longevity Regulation Mechanisms. <i>Dose-Response</i> , 2012, 10, dose-response.1.	0.7	10
1685	Butyrolactone Derivative 3-Benzyl-5-((2-nitrophenoxy) methyl)-dihydrofuran-2(3H)-one Protects Against Amyloid- β Peptides-Induced Cytotoxicity in PC12 Cells. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 345-356.	1.2	7

#	ARTICLE	IF	CITATIONS
1686	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
1687	Seek and Destroy: The Use of Natural Compounds for Targeting the Molecular Roots of Cancer. <i>Current Drug Targets</i> , 2012, 13, 1072-1082.	1.0	12
1688	Nonstandard Drugs and Feasible New Interventions for Autoimmune Hepatitis: Part I. Inflammation and Allergy: <i>Drug Targets</i> , 2012, 11, 337-350.	1.8	17
1689	Fibroblast Activation Protein in Remodeling Tissues. <i>Current Molecular Medicine</i> , 2012, 12, 1220-1243.	0.6	128
1690	Targeting neurodegenerative diseases: Drug discovery in a challenging arena. <i>Pure and Applied Chemistry</i> , 2012, 84, 1543-1556.	0.9	5
1691	Editorial [Hot Topic: Recent Advances in the Prevention and Therapy of Hepatocellular Carcinoma]. <i>Current Cancer Drug Targets</i> , 2012, 12, 1043-1044.	0.8	2
1692	Role of Oncogenic Pathways and KRAS/BRAF Mutations in the Behavior of Colon Adenocarcinoma in Renal Transplant Patients. <i>Transplantation</i> , 2012, 93, 509-517.	0.5	7
1693	The Amniotic Fluid Transcriptome. <i>Obstetrics and Gynecology</i> , 2012, 119, 111-118.	1.2	54
1694	Regulation of Autophagy by Metabolic and Stress Signaling Pathways in the Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 118-124.	0.8	32
1695	mTOR as a target in breast cancer: the emerging role of everolimus. <i>Breast Cancer Management</i> , 2012, 1, 47-56.	0.2	0
1696	PAS Kinase Promotes Cell Survival and Growth Through Activation of Rho1. <i>Science Signaling</i> , 2012, 5, ra9.	1.6	12
1697	Targeting PI3 Kinase/AKT/mTOR Signaling in Cancer. <i>Critical Reviews in Oncogenesis</i> , 2012, 17, 69-95.	0.2	204
1698	Sestrins Link Tumor Suppressors with the AMPK-TOR Signaling Network. , 2012, , .		1
1699	TSC1/2 Signaling Complex Is Essential for Peripheral Na ⁺ ve CD8+ T Cell Survival and Homeostasis in Mice. <i>PLoS ONE</i> , 2012, 7, e30592.	1.1	51
1700	Maternal Undernutrition Induces the Expression of Hypoxia-Related Genes in the Fetal Brain. <i>Tohoku Journal of Experimental Medicine</i> , 2012, 226, 37-44.	0.5	15
1702	How phosphoinositide 3-phosphate controls growth downstream of amino acids and autophagy downstream of amino acid withdrawal. <i>Biochemical Society Transactions</i> , 2012, 40, 37-43.	1.6	22
1703	Ubiquitinâ€“proteasome system inhibitors and AMPK regulation in hepatic cold ischaemia and reperfusion injury: possible mechanisms. <i>Clinical Science</i> , 2012, 123, 93-98.	1.8	18
1704	Placental DEPTOR as a stress sensor during pregnancy. <i>Clinical Science</i> , 2012, 122, 349-359.	1.8	21

#	ARTICLE	IF	CITATIONS
1705	Regulation of mast cell survival and function by tuberous sclerosis complex 1. <i>Blood</i> , 2012, 119, 3306-3314.	0.6	37
1706	Regulating type 1 IFN effects in CD8 T cells during viral infections: changing STAT4 and STAT1 expression for function. <i>Blood</i> , 2012, 120, 3718-3728.	0.6	76
1707	Proliferating effect of orotic acid through mTORC1 activation mediated by negative regulation of AMPK in SK-Hep1 hepatocellular carcinoma cells. <i>Journal of Toxicological Sciences</i> , 2012, 37, 813-821.	0.7	6
1708	Amino acid sensing and regulation of mTORC1. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 621-625.	2.3	23
1709	Glutaminolysis Activates Rag-mTORC1 Signaling. <i>Molecular Cell</i> , 2012, 47, 349-358.	4.5	563
1710	Cross-Talk between AMPK and mTOR in Regulating Energy Balance. <i>Critical Reviews in Food Science and Nutrition</i> , 2012, 52, 373-381.	5.4	241
1711	Expression of the glucose transporter HXT1 involves the Ser-Thr protein phosphatase Sit4 in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2012, 12, 907-917.	1.1	3
1712	Autophagy inhibition in cancer therapy: metabolic considerations for antitumor immunity. <i>Immunological Reviews</i> , 2012, 249, 176-194.	2.8	87
1713	Overexpression or Downregulation of mTOR in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2012, 821, 87-103.	0.4	5
1714	Reactive Oxygen Species and Autophagy in Plants and Algae. <i>Plant Physiology</i> , 2012, 160, 156-164.	2.3	217
1715	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
1716	Leucine Is Essential for Attenuating Fetal Growth Restriction Caused by a Protein-Restricted Diet in Rats. <i>Journal of Nutrition</i> , 2012, 142, 924-930.	1.3	50
1717	Tuning growth to the environmental demands. <i>Current Opinion in Plant Biology</i> , 2012, 15, 683-690.	3.5	40
1718	Signaling Pathways Induced by G-protein-coupled Receptors. , 2012, , 75-96.		3
1719	Identification of key regulatory pathways of myeloid differentiation using an mESC-based karyotypically normal cell model. <i>Blood</i> , 2012, 120, 4712-4719.	0.6	12
1720	Opportunities and Challenges in Tumor Angiogenesis Research. <i>Advances in Cancer Research</i> , 2012, 113, 191-239.	1.9	32
1721	Insulin and IGF-1 signalling: longevity, protein homeostasis and Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2012, 40, 721-727.	1.6	117
1722	A Comprehensive Small Interfering RNA Screen Identifies Signaling Pathways Required for Gephyrin Clustering. <i>Journal of Neuroscience</i> , 2012, 32, 14821-14834.	1.7	37

#	ARTICLE	IF	CITATIONS
1723	Transforming Growth Factor β 2 Suppresses Osteoblast Differentiation via the Vimentin Activating Transcription Factor 4 (ATF4) Axis. <i>Journal of Biological Chemistry</i> , 2012, 287, 35975-35984.	1.6	57
1724	Prospective Treatment of Age-Related Diseases by Slowing Down Aging. <i>American Journal of Pathology</i> , 2012, 181, 1142-1146.	1.9	96
1725	Cell Biology and Pathology of Podocytes. <i>Annual Review of Physiology</i> , 2012, 74, 299-323.	5.6	420
1726	Autophagy, signaling and obesity. <i>Pharmacological Research</i> , 2012, 66, 513-525.	3.1	63
1727	Ser2481-autophosphorylated mTOR colocalizes with chromosomal passenger proteins during mammalian cell cytokinesis. <i>Cell Cycle</i> , 2012, 11, 4211-4221.	1.3	18
1728	Diagnosis, Pathogenesis, and Treatment of Autoimmune Hepatitis After Liver Transplantation. <i>Digestive Diseases and Sciences</i> , 2012, 57, 2248-2266.	1.1	84
1729	Dynamic protein composition of <i>A. nidulans</i> cytosolic ribosomes in response to sucrose feeding as revealed by label free MS ^E proteomics. <i>Proteomics</i> , 2012, 12, 1024-1038.	1.3	101
1730	Calpastatin overexpression in the skeletal muscle of mice prevents clenbuterol-induced muscle hypertrophy and phenotypic shift. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 364-372.	0.9	11
1731	mTORC1 signaling and regulation of pancreatic β -cell mass. <i>Cell Cycle</i> , 2012, 11, 1892-1902.	1.3	74
1732	Regulation and Function of Autophagy during Cell Survival and Cell Death. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008813-a008813.	2.3	302
1733	Metformin inhibits growth and decreases resistance to anoikis in medullary thyroid cancer cells. <i>Endocrine-Related Cancer</i> , 2012, 19, 447-456.	1.6	71
1734	Overexpression of Golgi phosphoprotein-3 (GOLPH3) in glioblastoma multiforme is associated with worse prognosis. <i>Journal of Neuro-Oncology</i> , 2012, 110, 195-203.	1.4	53
1735	Control of Tumor Bioenergetics and Survival Stress Signaling by Mitochondrial HSP90s. <i>Cancer Cell</i> , 2012, 22, 331-344.	7.7	103
1736	Ablation of PGC1 beta prevents mTOR dependent endoplasmic reticulum stress response. <i>Experimental Neurology</i> , 2012, 237, 396-406.	2.0	20
1737	Mtl1 O-mannosylation mediated by both Pmt1 and Pmt2 is important for cell survival under oxidative conditions and TOR blockade. <i>Fungal Genetics and Biology</i> , 2012, 49, 903-914.	0.9	25
1738	Ionizing radiation regulates the expression of AMP-activated protein kinase (AMPK) in epithelial cancer cells. <i>Radiotherapy and Oncology</i> , 2012, 102, 459-465.	0.3	39
1739	DREF is required for cell and organismal growth in <i>Drosophila</i> and functions downstream of the nutrition/TOR pathway. <i>Developmental Biology</i> , 2012, 371, 191-202.	0.9	32
1740	Balance Between Macronutrients Affects Life Span and Functional Senescence in Fruit Fly <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012, 67A, 118-125.	1.7	69

#	ARTICLE	IF	CITATIONS
1741	Genomic analysis of sleep deprivation reveals translational regulation in the hippocampus. <i>Physiological Genomics</i> , 2012, 44, 981-991.	1.0	123
1742	Environmental control of cell size at division. <i>Current Opinion in Cell Biology</i> , 2012, 24, 838-844.	2.6	28
1743	Neuronal autophagy in cerebral ischemia – a potential target for neuroprotective strategies?. <i>Pharmacological Reports</i> , 2012, 64, 1-15.	1.5	98
1744	Everolimus in the treatment of hormone receptor-positive breast cancer. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1835-1843.	1.9	10
1745	Organization of the ENaC-regulatory machinery. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2012, 47, 349-359.	2.3	45
1746	Autophagy activation by rapamycin reduces severity of experimental osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 575-581.	0.5	364
1747	A multi-omic map of the lipid-producing yeast <i>Rhodospiridium toruloides</i> . <i>Nature Communications</i> , 2012, 3, 1112.	5.8	324
1748	Stress induces biphasic rewiring and modularization patterns in the metabolomic networks of <i>Escherichia coli</i> . , 2012, , .		2
1749	Mammalian target of rapamycin regulates neutrophil extracellular trap formation via induction of hypoxia-inducible factor 1 α . <i>Blood</i> , 2012, 120, 3118-3125.	0.6	226
1750	Effects of dietary rapeseed meal on growth performance, digestion and protein metabolism in relation to gene expression of juvenile cobia (<i>Rachycentron canadum</i>). <i>Aquaculture</i> , 2012, 368-369, 109-116.	1.7	77
1751	Translation suppression promotes stress granule formation and cell survival in response to cold shock. <i>Molecular Biology of the Cell</i> , 2012, 23, 3786-3800.	0.9	137
1752	Role of AMPK-mTOR-Ulk1/2 in the Regulation of Autophagy: Cross Talk, Shortcuts, and Feedbacks. <i>Molecular and Cellular Biology</i> , 2012, 32, 2-11.	1.1	1,110
1753	The impact of tumor microenvironment on cancer treatment and its modulation by direct and indirect antivascular strategies. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 823-842.	2.7	59
1754	Constitutional genetic variants as predictors of antiangiogenic therapy outcome in renal cell carcinoma. <i>Pharmacogenomics</i> , 2012, 13, 1621-1633.	0.6	11
1755	The FKBP-Rapamycin Binding Domain of Human TOR Undergoes Strong Conformational Changes in the Presence of Membrane Mimetics with and without the Regulator Phosphatidic Acid. <i>Biochemistry</i> , 2012, 51, 4909-4921.	1.2	20
1756	Selective ATP-Competitive Inhibitors of TOR Suppress Rapamycin-Insensitive Function of TORC2 in <i>Saccharomyces cerevisiae</i> . <i>ACS Chemical Biology</i> , 2012, 7, 982-987.	1.6	12
1757	The association of a distinct plasma proteomic profile with the cervical high-grade squamous intraepithelial lesion of Uyghur women: a 2D liquid-phase chromatography/mass spectrometry study. <i>Biomarkers</i> , 2012, 17, 352-361.	0.9	7
1758	Chronic mTOR inhibition by rapamycin induces muscle insulin resistance despite weight loss in rats. <i>British Journal of Pharmacology</i> , 2012, 165, 2325-2340.	2.7	137

#	ARTICLE	IF	CITATIONS
1759	S6K links cell fate, cell cycle and nutrient response in <i>C. elegans</i> germline stem/progenitor cells. <i>Development (Cambridge)</i> , 2012, 139, 859-870.	1.2	83
1760	Microbial Strain Prioritization Using Metabolomics Tools for the Discovery of Natural Products. <i>Analytical Chemistry</i> , 2012, 84, 4277-4283.	3.2	166
1761	Rictor regulates phosphorylation of the novel protein kinase C Apl II in <i>Aplysia</i> sensory neurons. <i>Journal of Neurochemistry</i> , 2012, 122, 1108-1117.	2.1	2
1762	Lifelong rapamycin administration ameliorates age-dependent cognitive deficits by reducing IL-1 β and enhancing NMDA signaling. <i>Aging Cell</i> , 2012, 11, 326-335.	3.0	193
1763	Quantitative Visualization of Autophagy Induction by mTOR Inhibitors. <i>Methods in Molecular Biology</i> , 2012, 821, 239-250.	0.4	16
1764	Hypoxia suppresses conversion from proliferative arrest to cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13314-13318.	3.3	154
1765	Non-glucose metabolism in cancer cells—is it all in the fat?. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 689-698.	2.7	72
1766	INPP4A/INPP4B and P-Rex proteins: Related but different?. <i>Advances in Biological Regulation</i> , 2012, 52, 265-279.	1.4	26
1767	Evaluation of water quality threats to the endangered Okaloosa darter (<i>Etheostoma okaloosae</i>) in East Turkey Creek on Eglin Air Force Base. <i>Aquatic Toxicology</i> , 2012, 110-111, 177-186.	1.9	7
1768	Morphological and biochemical studies on aging and autophagy. <i>Ageing Research Reviews</i> , 2012, 11, 10-31.	5.0	26
1769	TOR Signaling Regulates Ribosome and tRNA Synthesis via LAMMER/Clk and GSK-3 Family Kinases. <i>Molecular Cell</i> , 2012, 45, 836-843.	4.5	69
1770	The TOR Complex 1 Is a Direct Target of Rho1 GTPase. <i>Molecular Cell</i> , 2012, 45, 743-753.	4.5	70
1771	The Sam68 STAR RNA-Binding Protein Regulates mTOR Alternative Splicing during Adipogenesis. <i>Molecular Cell</i> , 2012, 46, 187-199.	4.5	88
1772	SH3BP4 Is a Negative Regulator of Amino Acid-Rag GTPase-mTORC1 Signaling. <i>Molecular Cell</i> , 2012, 46, 833-846.	4.5	76
1773	Transient Sequestration of TORC1 into Stress Granules during Heat Stress. <i>Molecular Cell</i> , 2012, 47, 242-252.	4.5	222
1774	TOR-tured Yeast Find a New Way to Stand the Heat. <i>Molecular Cell</i> , 2012, 47, 155-157.	4.5	9
1775	The role of amino acid transporters in GSH synthesis in the blood-brain barrier and central nervous system. <i>Neurochemistry International</i> , 2012, 61, 405-414.	1.9	46
1776	TOR signaling is involved in PTH-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

#	ARTICLE	IF	CITATIONS
1777	Transcription Factor Foxo1 Represses T-bet-Mediated Effector Functions and Promotes Memory CD8+ T Cell Differentiation. <i>Immunity</i> , 2012, 36, 374-387.	6.6	243
1778	Blocking mTORC1 activity by rapamycin leads to impairment of spatial memory retrieval but not acquisition in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2012, 229, 320-324.	1.2	27
1779	Improved insulin sensitivity by rapamycin is associated with reduction of mTOR and S6K1 activities in L6 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 402-407.	1.0	23
1780	Rapamycin suppresses the recurrent excitatory circuits of dentate gyrus in a mouse model of temporal lobe epilepsy. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 199-204.	1.0	26
1781	Constitutive activation of the mTOR signaling pathway within the normal glomerulus. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 244-249.	1.0	7
1782	Itraconazole inhibits HMEC-1 angiogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2012, 66, 312-317.	2.5	16
1784	Characterization of Foxp3 gene from grass carp (<i>Ctenopharyngodon idellus</i>): A rapamycin-inducible transcription factor in teleost immune system. <i>Developmental and Comparative Immunology</i> , 2012, 38, 98-107.	1.0	19
1785	p70S6 kinase phosphorylation for pharmacodynamic monitoring. <i>Clinica Chimica Acta</i> , 2012, 413, 1387-1390.	0.5	13
1786	PI3K-Akt-mTORC1-S6K1/2 Axis Controls Th17 Differentiation by Regulating Gfi1 Expression and Nuclear Translocation of ROR γ . <i>Cell Reports</i> , 2012, 1, 360-373.	2.9	283
1787	Amino Acid Starvation Induced by Invasive Bacterial Pathogens Triggers an Innate Host Defense Program. <i>Cell Host and Microbe</i> , 2012, 11, 563-575.	5.1	331
1788	Hepatic mTORC2 Activates Glycolysis and Lipogenesis through Akt, Glucokinase, and SREBP1c. <i>Cell Metabolism</i> , 2012, 15, 725-738.	7.2	452
1789	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
1790	Rapamycin blocks hepatoblastoma growth in vitro and in vivo implicating new treatment options in high-risk patients. <i>European Journal of Cancer</i> , 2012, 48, 2442-2450.	1.3	35
1791	Long non-coding RNA UCA1 regulated cell cycle distribution via CREB through PI3-K dependent pathway in bladder carcinoma cells. <i>Gene</i> , 2012, 496, 8-16.	1.0	205
1792	mTORC1 serves ER stress-triggered apoptosis via selective activation of the IRE1 \rightarrow JNK pathway. <i>Cell Death and Differentiation</i> , 2012, 19, 310-320.	5.0	227
1793	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
1794	Mutations in the <i>Arabidopsis</i> Homolog of LST8/G β L, a Partner of the Target of Rapamycin Kinase, Impair Plant Growth, Flowering, and Metabolic Adaptation to Long Days. <i>Plant Cell</i> , 2012, 24, 463-481.	3.1	206
1795	Rapamycin and Glucose-Target of Rapamycin (TOR) Protein Signaling in Plants. <i>Journal of Biological Chemistry</i> , 2012, 287, 2836-2842.	1.6	234

#	ARTICLE	IF	CITATIONS
1796	A fast and simple method for probing the interaction of peptides and proteins with lipids and membrane mimetics using GB1 fusion proteins and NMR spectroscopy. <i>Protein Science</i> , 2012, 21, 1566-1570.	3.1	12
1797	Transcriptional ontogeny of the developing liver. <i>BMC Genomics</i> , 2012, 13, 33.	1.2	41
1798	Deregulation of miR-100, miR-99a and miR-199b in tissues and plasma coexists with increased expression of mTOR kinase in endometrioid endometrial carcinoma. <i>BMC Cancer</i> , 2012, 12, 369.	1.1	111
1799	GOLPH3 overexpression correlates with tumor progression and poor prognosis in patients with clinically NO oral tongue cancer. <i>Journal of Translational Medicine</i> , 2012, 10, 168.	1.8	47
1800	What determines cell size?. <i>BMC Biology</i> , 2012, 10, 101.	1.7	196
1801	The mechanism of mTOR (mammalian target of rapamycin) in a mouse model of polycystic ovary syndrome (PCOS). <i>Journal of Ovarian Research</i> , 2012, 5, 38.	1.3	52
1802	Rapamycin and mTOR: a serendipitous discovery and implications for breast cancer. <i>Clinical and Translational Medicine</i> , 2012, 1, 29.	1.7	111
1803	Immunoregulatory properties of rapamycin-conditioned monocyte-derived dendritic cells and their role in transplantation. <i>Transplantation Research</i> , 2012, 1, 16.	1.5	42
1804	The Role of Protein Phosphorylation in Therapy Resistance and Disease Progression in Chronic Myelogenous Leukemia. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 106, 107-142.	0.9	8
1805	HijAkt. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 106, 223-250.	0.9	76
1807	Select nutrients, progesterone, and interferon tau affect conceptus metabolism and development. <i>Annals of the New York Academy of Sciences</i> , 2012, 1271, 88-96.	1.8	36
1808	Biochemical and Pharmacological Inhibition of mTOR by Rapamycin and an ATP-Competitive mTOR Inhibitor. <i>Methods in Molecular Biology</i> , 2012, 821, 15-28.	0.4	7
1809	Controversial aspects of oncogene-induced senescence. <i>Cell Cycle</i> , 2012, 11, 4147-4151.	1.3	34
1810	Nutrient Sensing, Autophagy, and Diabetic Nephropathy. <i>Diabetes</i> , 2012, 61, 23-29.	0.3	141
1811	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
1812	Rapamycin Ameliorates Age-Dependent Obesity Associated with Increased mTOR Signaling in Hypothalamic POMC Neurons. <i>Neuron</i> , 2012, 75, 425-436.	3.8	183
1813	Immune Blot Analysis on Expression of the Mammalian Target of Rapamycin in Goat Fetal Fibroblasts with Recombinant Polyclonal Antibody. <i>Journal of Integrative Agriculture</i> , 2012, 11, 1002-1008.	1.7	0
1814	Campylobacter jejuni Induces Colitis Through Activation of Mammalian Target of Rapamycin Signaling. <i>Gastroenterology</i> , 2012, 142, 86-95.e5.	0.6	75

#	ARTICLE	IF	CITATIONS
1815	Aspirin Inhibits mTOR Signaling, Activates AMP-Activated Protein Kinase, and Induces Autophagy in Colorectal Cancer Cells. <i>Gastroenterology</i> , 2012, 142, 1504-1515.e3.	0.6	356
1816	PI3K signaling in the regulation of branching morphogenesis. <i>BioSystems</i> , 2012, 109, 403-411.	0.9	17
1817	Targeted treatment trials for tuberous sclerosis and autism: no longer a dream. <i>Current Opinion in Neurobiology</i> , 2012, 22, 895-901.	2.0	63
1818	Involvement of autophagy in the pharmacological effects of the mTOR inhibitor everolimus in acute kidney injury. <i>European Journal of Pharmacology</i> , 2012, 696, 143-154.	1.7	61
1819	Coordinating genome expression with cell size. <i>Trends in Genetics</i> , 2012, 28, 560-565.	2.9	188
1820	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
1821	Mammalian target of rapamycin inhibition in polycystic kidney disease: From bench to bedside. <i>Kidney Research and Clinical Practice</i> , 2012, 31, 132-138.	0.9	18
1822	Role of AGC kinases in plant growth and stress responses. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3259-3267.	2.4	45
1823	mTOR Pathway Overactivation in BRAF Mutated Papillary Thyroid Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1139-E1149.	1.8	66
1824	Arrest of Myelination and Reduced Axon Growth When Schwann Cells Lack mTOR. <i>Journal of Neuroscience</i> , 2012, 32, 1817-1825.	1.7	125
1825	Synthesis and Biological Evaluation of 1,4-Diaryl-2-azetidinones as Specific Anticancer Agents: Activation of Adenosine Monophosphate Activated Protein Kinase and Induction of Apoptosis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2112-2124.	2.9	54
1826	Interactions of PI3K/Akt/mTOR and estrogen receptor signaling in breast cancer. <i>Breast Cancer Management</i> , 2012, 1, 235-249.	0.2	11
1827	Multimodal Imaging of Growth and Rapamycin-Induced Regression of Colonic Adenomas in Apc Mutation-Dependent Mouse. <i>Translational Oncology</i> , 2012, 5, 313-320.	1.7	6
1828	<i>C. elegans</i> AMPKs promote survival and arrest germline development during nutrient stress. <i>Biology Open</i> , 2012, 1, 929-936.	0.6	87
1829	Drug choices in autoimmune hepatitis: Part B – nonsteroids. <i>Expert Review of Gastroenterology and Hepatology</i> , 2012, 6, 617-635.	1.4	38
1830	An In Vitro Assay for the Kinase Activity of mTOR Complex 2. <i>Methods in Molecular Biology</i> , 2012, 821, 75-86.	0.4	9
1831	Mechanistic and Pharmacological Issues of Aspirin as an Anticancer Agent. <i>Pharmaceuticals</i> , 2012, 5, 1346-1371.	1.7	64
1832	The mTOR Signalling Pathway in Human Cancer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1886-1918.	1.8	662

#	ARTICLE	IF	CITATIONS
1833	Targeting the PI3K/AKT/mTOR Signaling Axis in Children with Hematologic Malignancies. <i>Paediatric Drugs</i> , 2012, 14, 299-316.	1.3	31
1834	Insulin-Like Peptides. , 2012, , 63-92.		72
1835	Time-Resolved Quantitative Phosphoproteomics: New Insights into Angiotensin-(1 α) ⁷ Signaling Networks in Human Endothelial Cells. <i>Journal of Proteome Research</i> , 2012, 11, 3370-3381.	1.8	67
1836	Evaluation of mTOR-Regulated mRNA Translation. <i>Methods in Molecular Biology</i> , 2012, 821, 171-185.	0.4	17
1837	Aging Research in Yeast. <i>Sub-Cellular Biochemistry</i> , 2012, , .	1.0	27
1838	Phosphoinositides I: Enzymes of Synthesis and Degradation. <i>Sub-Cellular Biochemistry</i> , 2012, , .	1.0	6
1839	Evaluation of the Nutrient-Sensing mTOR Pathway. <i>Methods in Molecular Biology</i> , 2012, 821, 29-44.	0.4	7
1841	Neuroendocrine Tumors. , 2012, , 761-778.		1
1842	An S/T-Q cluster domain census unveils new putative targets under Tel1/Mec1 control. <i>BMC Genomics</i> , 2012, 13, 664.	1.2	19
1843	Up-regulated autophagy by endogenous high mobility group box-1 promotes chemoresistance in leukemia cells. <i>Leukemia and Lymphoma</i> , 2012, 53, 315-322.	0.6	64
1844	Roles of microRNA on cancer cell metabolism. <i>Journal of Translational Medicine</i> , 2012, 10, 228.	1.8	167
1845	Modulation of glutamine metabolism by the PI(3)K α -PKB α -FOXO network regulates autophagy. <i>Nature Cell Biology</i> , 2012, 14, 829-837.	4.6	209
1846	Sestrin2 Modulates AMPK Subunit Expression and Its Response to Ionizing Radiation in Breast Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e32035.	1.1	118
1847	Growth Hormone Improves Growth Retardation Induced by Rapamycin without Blocking Its Antiproliferative and Antiangiogenic Effects on Rat Growth Plate. <i>PLoS ONE</i> , 2012, 7, e34788.	1.1	16
1848	YAP1 Recruits c-Abl to Protect Angiotensin-Like 1 from Nedd4-Mediated Degradation. <i>PLoS ONE</i> , 2012, 7, e35735.	1.1	35
1849	Low Dose Rapamycin Exacerbates Autoimmune Experimental Uveitis. <i>PLoS ONE</i> , 2012, 7, e36589.	1.1	26
1850	microRNA-21 Governs TORC1 Activation in Renal Cancer Cell Proliferation and Invasion. <i>PLoS ONE</i> , 2012, 7, e37366.	1.1	70
1851	Protective Role of p70S6K in Intestinal Ischemia/Reperfusion Injury in Mice. <i>PLoS ONE</i> , 2012, 7, e41584.	1.1	22

#	ARTICLE	IF	CITATIONS
1852	Dysregulation of Autophagy in Murine Fibroblasts Resistant to HSV-1 Infection. PLoS ONE, 2012, 7, e42636.	1.1	12
1853	High Expression of GOLPH3 in Esophageal Squamous Cell Carcinoma Correlates with Poor Prognosis. PLoS ONE, 2012, 7, e45622.	1.1	58
1854	Hypothalamic mTOR Signaling Mediates the Orexigenic Action of Ghrelin. PLoS ONE, 2012, 7, e46923.	1.1	101
1855	PARP-1 Modulation of mTOR Signaling in Response to a DNA Alkylating Agent. PLoS ONE, 2012, 7, e47978.	1.1	64
1856	RAD001 Enhances the Potency of BEZ235 to Inhibit mTOR Signaling and Tumor Growth. PLoS ONE, 2012, 7, e48548.	1.1	29
1857	SRC-2 Coactivator Deficiency Decreases Functional Reserve in Response to Pressure Overload of Mouse Heart. PLoS ONE, 2012, 7, e53395.	1.1	22
1858	Control of ovarian primordial follicle activation. Clinical and Experimental Reproductive Medicine, 2012, 39, 10.	0.5	64
1859	An Overview of Autophagy and Yeast Pseudohyphal Growth: Integration of Signaling Pathways during Nitrogen Stress. Cells, 2012, 1, 263-283.	1.8	28
1860	Efeito do exerc�cio no sistema imune: resposta, adapta�o e sinaliza�o celular. Revista Brasileira De Medicina Do Esporte, 2012, 18, 208-214.	0.1	55
1861	Autophagy in Trypanosomatids. Cells, 2012, 1, 346-371.	1.8	29
1862	Autophagy Contributes to the Death/Survival Balance in Cancer PhotoDynamic Therapy. Cells, 2012, 1, 464-491.	1.8	60
1863	14-3-3 Proteins are Regulators of Autophagy. Cells, 2012, 1, 754-773.	1.8	52
1864	Integrating Body and Organ Size in Drosophila: Recent Advances and Outstanding Problems. Frontiers in Endocrinology, 2012, 3, 49.	1.5	149
1865	Neuronal Responses to Physiological Stress. Frontiers in Genetics, 2012, 3, 222.	1.1	62
1866	The Golgi in Cell Migration: Regulation by Signal Transduction and Its Implications for Cancer Cell Metastasis. Scientific World Journal, The, 2012, 2012, 1-11.	0.8	77
1867	Molecular and Cellular Mechanism of Muscle Regeneration. , 2012, , .		5
1868	Functional Characterization of Glycine N-Methyltransferase and Its Interactive Protein DEPDC6/DEPTOR in Hepatocellular Carcinoma. Molecular Medicine, 2012, 18, 286-296.	1.9	54
1869	Hypothalamic Akt PKB signaling in regulation of food intake. Frontiers in Bioscience - Scholar, 2012, S4, 953-966.	0.8	10

#	ARTICLE	IF	CITATIONS
1870	The role of mTOR signaling in Alzheimer disease. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 941-952.	0.8	185
1871	The Target of Rapamycin: Structure and Functions. , 2012, , .		4
1872	Select Nutrients in the Uterine Lumen of Sheep and Pigs Affect Conceptus Development. <i>Journal of Reproduction and Development</i> , 2012, 58, 180-188.	0.5	52
1873	Targeting the PI3K/AKT/mTOR Signaling Axis in Children with Hematologic Malignancies. <i>Paediatric Drugs</i> , 2012, 14, 299-316.	1.3	86
1874	Induction of Melanogenesis by Rapamycin in Human MNT-1 Melanoma Cells. <i>Annals of Dermatology</i> , 2012, 24, 151.	0.3	32
1875	Autophagy mechanism and physiological relevance brewed from yeast studies. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 1354-1363.	0.8	24
1876	The Anti-Aging Efficacy of Natural Compounds. , 2012, 01, .		0
1877	Roles of the PI3K/Akt pathway in Epstein-Barr virus-induced cancers and therapeutic implications. <i>World Journal of Virology</i> , 2012, 1, 154.	1.3	66
1878	Suppression of autophagy by BCR/ABL. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 453.	0.8	5
1879	Recent research developments in regeneration of skeletal muscle. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2012, 1, 401-411.	0.2	0
1880	Hypothalamic mTOR pathway mediates thyroid hormone-induced hyperphagia in hyperthyroidism. <i>Journal of Pathology</i> , 2012, 227, 209-222.	2.1	93
1881	Initial testing (stage 1) of the mTOR kinase inhibitor AZD8055 by the pediatric preclinical testing program. <i>Pediatric Blood and Cancer</i> , 2012, 58, 191-199.	0.8	35
1882	TOR Signaling Regulates Planarian Stem Cells and Controls Localized and Organismal Growth. <i>Journal of Cell Science</i> , 2012, 125, 1657-65.	1.2	44
1883	PRR5L degradation promotes mTORC2-mediated PKC- ζ phosphorylation and cell migration downstream of G1 \pm 12. <i>Nature Cell Biology</i> , 2012, 14, 686-696.	4.6	138
1884	Kisspeptins and Reproduction: Physiological Roles and Regulatory Mechanisms. <i>Physiological Reviews</i> , 2012, 92, 1235-1316.	13.1	635
1885	Translational advances regarding hereditary breast cancer syndromes. <i>Journal of Surgical Oncology</i> , 2012, 105, 444-451.	0.8	91
1886	Activated mTOR/P70S6K signaling pathway is involved in insulinoma tumorigenesis. <i>Journal of Surgical Oncology</i> , 2012, 106, 972-980.	0.8	15
1887	mTOR is required for asymmetric division through small GTPases in mouse oocytes. <i>Molecular Reproduction and Development</i> , 2012, 79, 356-366.	1.0	53

#	ARTICLE	IF	CITATIONS
1888	<sc>S</sc>in1 regulates <sc>T</sc>regâ€œcell development but is not required for <sc>T</sc>â€œcell growth and proliferation. <i>European Journal of Immunology</i> , 2012, 42, 1639-1647.	1.6	20
1889	Casein kinase I epsilon interacts with mitochondrial proteins for the growth and survival of human ovarian cancer cells. <i>EMBO Molecular Medicine</i> , 2012, 4, 952-963.	3.3	50
1890	Antileukaemia effect of rapamycin alone or in combination with daunorubicin on ph+ acute lymphoblastic leukaemia cell line. <i>Hematological Oncology</i> , 2012, 30, 123-130.	0.8	9
1891	Gestational-neonatal iron deficiency suppresses and iron treatment reactivates IGF signaling in developing rat hippocampus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E316-E324.	1.8	48
1892	The caloric restriction paradigm: Implications for healthy human aging. <i>American Journal of Human Biology</i> , 2012, 24, 101-106.	0.8	130
1893	Mechanical injury suppresses autophagy regulators and pharmacologic activation of autophagy results in chondroprotection. <i>Arthritis and Rheumatism</i> , 2012, 64, 1182-1192.	6.7	121
1894	Staying alive. <i>Cell Cycle</i> , 2012, 11, 1680-1696.	1.3	211
1895	AMP-activated protein kinase, stress responses and cardiovascular diseases. <i>Clinical Science</i> , 2012, 122, 555-573.	1.8	197
1896	Inhibition of Mammalian Target of Rapamycin Augments Lipopolysaccharide-Induced Lung Injury and Apoptosis. <i>Journal of Immunology</i> , 2012, 188, 4535-4542.	0.4	84
1897	The Role and Regulation of mTOR in T-Lymphocyte Function. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2012, 60, 173-181.	1.0	20
1898	Three-dimensional quantitative structureâ€œactivity relationship (3D-QSAR) analysis and molecular docking of ATP-competitive triazine analogs of human mTOR inhibitors. <i>Medicinal Chemistry Research</i> , 2012, 21, 1207-1217.	1.1	11
1899	Oligogalacturonides inhibit growth and induce changes in S6K phosphorylation in maize (<i>Zea mays</i> L.) Tj ETQq1 1 0.784314 rgBT /Over	1.8	10
1900	mTOR Inhibitors and its Role in the Treatment of Head and Neck Squamous Cell Carcinoma. <i>Current Treatment Options in Oncology</i> , 2012, 13, 71-81.	1.3	38
1901	TNF±-mediated apoptosis in human osteoarthritic chondrocytes sensitized by PI3K-NF-îB inhibitor, not mTOR inhibitor. <i>Rheumatology International</i> , 2012, 32, 2017-2022.	1.5	11
1902	Pharmacologic inhibition of mTOR antagonizes the cytotoxic activity of pemetrexed in non-small cell lung cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 545-554.	1.2	6
1903	Rapamycin attenuates the expression of cocaineâ€œinduced place preference and behavioral sensitization. <i>Addiction Biology</i> , 2012, 17, 248-258.	1.4	56
1904	Role of the mTOR complex 1 pathway in the <i>in vivo</i> maintenance of the intestinal mucosa by oral intake of amino acids. <i>Geriatrics and Gerontology International</i> , 2012, 12, 131-139.	0.7	9
1905	Temsirolimus, an mTOR inhibitor, in combination with lowerâ€œdose clofarabine as salvage therapy for older patients with acute myeloid leukaemia: results of a phase II GIMEMA study (AMLâ€œ107). <i>British Journal of Haematology</i> , 2012, 156, 205-212.	1.2	65

#	ARTICLE	IF	CITATIONS
1906	The essence of yeast quiescence. <i>FEMS Microbiology Reviews</i> , 2012, 36, 306-339.	3.9	189
1907	Regulation of Membrane Protein Degradation by Starvation-Response Pathways. <i>Traffic</i> , 2012, 13, 468-482.	1.3	91
1908	Caloric restriction and chronic inflammatory diseases. <i>Oral Diseases</i> , 2012, 18, 16-31.	1.5	55
1909	Mitochondrial Ca ²⁺ signals in autophagy. <i>Cell Calcium</i> , 2012, 52, 44-51.	1.1	108
1910	Cell cycle control by anchorage signaling. <i>Cellular Signalling</i> , 2012, 24, 1599-1609.	1.7	18
1911	14-3-3 Interacts with LKB1 via recognizing phosphorylated threonine 336 residue and suppresses LKB1 kinase function. <i>FEBS Letters</i> , 2012, 586, 1111-1119.	1.3	14
1912	Protein translocation as a tool: The current rapamycin story. <i>FEBS Letters</i> , 2012, 586, 2097-2105.	1.3	168
1913	The role of Hsp90 in protein complex assembly. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 674-682.	1.9	154
1914	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
1915	Identification of dual mTORC1 and mTORC2 inhibitors in melanoma cells: Prodigiosin vs. obatoclax. <i>Biochemical Pharmacology</i> , 2012, 83, 489-496.	2.0	70
1916	Cell growth and cell cycle in <i>Saccharomyces cerevisiae</i> : Basic regulatory design and protein-protein interaction network. <i>Biotechnology Advances</i> , 2012, 30, 52-72.	6.0	48
1917	Tuberous Sclerosis Complex-Associated Angiomyolipomas: Focus on mTOR Inhibition. <i>American Journal of Kidney Diseases</i> , 2012, 59, 276-283.	2.1	91
1918	TORC1 of fission yeast is rapamycin-sensitive. <i>Genes To Cells</i> , 2012, 17, 698-708.	0.5	45
1919	The mTOR pathway is activated in glial cells in mesial temporal sclerosis. <i>Epilepsia</i> , 2012, 53, 78-86.	2.6	70
1920	Differential Regulation of Simultaneous Antitumor and Alloreactive CD8+ T-Cell Responses in the Same Host by Rapamycin. <i>American Journal of Transplantation</i> , 2012, 12, 233-239.	2.6	6
1921	Sic1 as a timer of Clb cyclin waves in the yeast cell cycle- <i>design principle of not just an inhibitor.</i> <i>FEBS Journal</i> , 2012, 279, 3386-3410.	2.2	22
1922	SIRT1 is required for the effects of rapamycin on high glucose-inducing mesangial cells senescence. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 387-400.	2.2	49
1923	Regulation of protein turnover by l-glutamine in porcine intestinal epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1012-1017.	1.9	66

#	ARTICLE	IF	CITATIONS
1924	Functional roles of the phosphatidylinositol 3-kinases (PI3Ks) signaling in the mammalian ovary. <i>Molecular and Cellular Endocrinology</i> , 2012, 356, 24-30.	1.6	132
1925	Mechanistic mammalian target of rapamycin (mTOR) cell signaling: Effects of select nutrients and secreted phosphoprotein 1 on development of mammalian conceptuses. <i>Molecular and Cellular Endocrinology</i> , 2012, 354, 22-33.	1.6	53
1926	Synergistic anti-tumor effects of RAD001 with MEK inhibitors in neuroendocrine tumors: A potential mechanism of therapeutic limitation of mTOR inhibitor. <i>Molecular and Cellular Endocrinology</i> , 2012, 350, 99-106.	1.6	19
1927	Bidirectional crosstalk between endoplasmic reticulum stress and mTOR signaling. <i>Trends in Cell Biology</i> , 2012, 22, 274-282.	3.6	275
1928	p62: a versatile multitasker takes on cancer. <i>Trends in Biochemical Sciences</i> , 2012, 37, 230-236.	3.7	214
1929	Sensing nutrient and energy status by SnRK1 and TOR kinases. <i>Current Opinion in Plant Biology</i> , 2012, 15, 301-307.	3.5	209
1930	TORC1 is required to balance cell proliferation and cell death in planarians. <i>Developmental Biology</i> , 2012, 365, 458-469.	0.9	45
1931	The metabolism beyond programmed cell death in yeast. <i>Experimental Cell Research</i> , 2012, 318, 1193-1200.	1.2	22
1932	Structures of the pleckstrin homology domain of <i>Saccharomyces cerevisiae</i> Avo1 and its human orthologue Sin1, an essential subunit of TOR complex 2. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 386-392.	0.7	24
1933	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
1934	mTOR as a therapeutic target in patients with gastric cancer. <i>International Journal of Cancer</i> , 2012, 130, 491-496.	2.3	84
1935	Hyperactivation of mTOR critically regulates abnormal osteoclastogenesis in neurofibromatosis type 1. <i>Journal of Orthopaedic Research</i> , 2012, 30, 144-152.	1.2	17
1936	The time-dependent autophagy protects against apoptosis with possible involvement of Sirt1 protein in multiple myeloma under nutrient depletion. <i>Annals of Hematology</i> , 2012, 91, 407-417.	0.8	24
1937	mTOR-riCTOR is the Ser473 kinase for AKT1 in mouse one-cell stage embryos. <i>Molecular and Cellular Biochemistry</i> , 2012, 361, 249-257.	1.4	18
1938	Effects of RhebL1 silencing on the mTOR pathway. <i>Molecular Biology Reports</i> , 2012, 39, 2129-2137.	1.0	11
1939	RSK regulates activated BRAF signalling to mTORC1 and promotes melanoma growth. <i>Oncogene</i> , 2013, 32, 2917-2926.	2.6	56
1940	Suppression of survival signalling pathways by the phosphatase PHLPP. <i>FEBS Journal</i> , 2013, 280, 572-583.	2.2	98
1941	Astragalus polysaccharide improves muscle atrophy from dexamethasone- and peroxide-induced injury in vitro. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 7-16.	3.6	18

#	ARTICLE	IF	CITATIONS
1942	Functional characterisation of the non-essential protein kinases and phosphatases regulating <i>Aspergillus nidulans</i> hydrolytic enzyme production. <i>Biotechnology for Biofuels</i> , 2013, 6, 91.	6.2	86
1943	Growth or longevity: the TOR's decision on lifespan regulation. <i>Biogerontology</i> , 2013, 14, 353-363.	2.0	21
1944	Control of cell growth: Rag GTPases in activation of TORC1. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2873-2885.	2.4	10
1945	The role of the cilium in normal and abnormal cell cycles: emphasis on renal cystic pathologies. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1849-1874.	2.4	70
1946	Activation of AMP-Activated Protein Kinase Alleviates Homocysteine-Mediated Neurotoxicity in SH-SY5Y Cells. <i>Neurochemical Research</i> , 2013, 38, 1561-1571.	1.6	21
1947	Sulfur Amino Acids Regulate Translational Capacity and Metabolic Homeostasis through Modulation of tRNA Thiolation. <i>Cell</i> , 2013, 154, 416-429.	13.5	189
1948	Expression of PTEN and mTOR in pancreatic neuroendocrine tumors. <i>Tumor Biology</i> , 2013, 34, 2871-2879.	0.8	31
1949	Body size regulation and insulin-like growth factor signaling. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2351-2365.	2.4	69
1950	IKK interacts with rictor and regulates mTORC2. <i>Cellular Signalling</i> , 2013, 25, 2239-2245.	1.7	37
1951	HMB attenuates muscle loss during sustained energy deficit induced by calorie restriction and endurance exercise. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1718-1729.	1.5	37
1952	Furthering the design and the discovery of small molecule ATP-competitive mTOR inhibitors as an effective cancer treatment. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 991-1012.	2.5	30
1953	Huang-Lian-Jie-Du-Decotion induced protective autophagy against the injury of cerebral ischemia/reperfusion via MAPK-mTOR signaling pathway. <i>Journal of Ethnopharmacology</i> , 2013, 149, 270-280.	2.0	78
1954	mTOR complex 2 mediates Akt phosphorylation that requires PKC μ in adult cardiac muscle cells. <i>Cellular Signalling</i> , 2013, 25, 1904-1912.	1.7	15
1955	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
1956	Rapamycin Reverses Pulmonary Artery Smooth Muscle Cell Proliferation in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 568-577.	1.4	127
1957	MEK drives cyclin D1 hyper-elevation during geroconversion. <i>Cell Death and Differentiation</i> , 2013, 20, 1241-1249.	5.0	74
1958	Identification of two novel inhibitors of mTOR signaling pathway based on high content screening. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 72, 799-808.	1.1	7
1959	5'-Serial Analysis of Gene Expression studies reveal a transcriptomic switch during fruiting body development in <i>Coprinopsis cinerea</i> . <i>BMC Genomics</i> , 2013, 14, 195.	1.2	65

#	ARTICLE	IF	CITATIONS
1960	Of flies and men: insights on organismal metabolism from fruit flies. <i>BMC Biology</i> , 2013, 11, 38.	1.7	76
1961	The novel mTOR inhibitor CCI-779 (temsirolimus) induces antiproliferative effects through inhibition of mTOR in Bel-7402 liver cancer cells. <i>Cancer Cell International</i> , 2013, 13, 30.	1.8	13
1962	Selectively starving cancer cells through dietary manipulation: methods and clinical implications. <i>Future Oncology</i> , 2013, 9, 959-976.	1.1	54
1963	Inhibition of S6K1 enhances glucose deprivation-induced cell death via downregulation of anti-apoptotic proteins in MCF-7 breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 432, 123-128.	1.0	34
1964	RNA and Cancer. <i>Cancer Treatment and Research</i> , 2013, , .	0.2	3
1965	Swimming exercise training-induced left ventricular hypertrophy involves microRNAs and synergistic regulation of the PI3K/AKT/mTOR signaling pathway. <i>European Journal of Applied Physiology</i> , 2013, 113, 2473-2486.	1.2	84
1966	Fission yeast TOR signaling is essential for the down-regulation of a hyperactivated stress-response MAP kinase under salt stress. <i>Molecular Genetics and Genomics</i> , 2013, 288, 63-75.	1.0	9
1967	Management of Recalcitrant Autoimmune Hepatitis. <i>Current Hepatitis Reports</i> , 2013, 12, 66-77.	0.3	5
1968	Branched chain amino acids and metabolic regulation. <i>Science Bulletin</i> , 2013, 58, 1228-1235.	1.7	20
1969	Reversal of boswellic acid analog BA145 induced caspase dependent apoptosis by PI3K inhibitor LY294002 and MEK inhibitor PD98059. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1561-1573.	2.2	16
1970	A positive role of mammalian Tip41-like protein, TIPRL, in the amino acid dependent mTORC1 signaling pathway through interaction with PP2A. <i>FEBS Letters</i> , 2013, 587, 2924-2929.	1.3	37
1971	Nutrient Signaling and Developmental Timing of Maturation. <i>Current Topics in Developmental Biology</i> , 2013, 105, 37-67.	1.0	72
1972	Evolving neurobiology of tuberous sclerosis complex. <i>Acta Neuropathologica</i> , 2013, 125, 317-332.	3.9	125
1973	Natural compounds with anti-ageing activity. <i>Natural Product Reports</i> , 2013, 30, 1412.	5.2	105
1974	Effects of dietary corn gluten meal on growth performance and protein metabolism in relation to IGF-I and TOR gene expression of juvenile cobia (<i>Rachycentron canadum</i>). <i>Journal of Ocean University of China</i> , 2013, 12, 418-426.	0.6	27
1975	Phospho-mTOR: A novel target in regulation of renal lipid metabolism abnormality of diabetes. <i>Experimental Cell Research</i> , 2013, 319, 2296-2306.	1.2	37
1976	Germline Signaling Mediates the Synergistically Prolonged Longevity Produced by Double Mutations in <i>daf-2</i> and <i>rsk-1</i> in <i>C.Ælegans</i> . <i>Cell Reports</i> , 2013, 5, 1600-1610.	2.9	112
1977	Defective Autophagy and mTORC1 Signaling in Myotubularin Null Mice. <i>Molecular and Cellular Biology</i> , 2013, 33, 98-110.	1.1	74

#	ARTICLE	IF	CITATIONS
1978	The mTOR pathway negatively controls ATM by up-regulating miRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11869-11874.	3.3	43
1979	mTOR inhibitors in advanced renal cell carcinomas: From biology to clinical practice. <i>Critical Reviews in Oncology/Hematology</i> , 2013, 88, 42-56.	2.0	19
1980	Interplay between apoptosis and autophagy, a challenging puzzle: New perspectives on antitumor chemotherapies. <i>Chemico-Biological Interactions</i> , 2013, 206, 279-288.	1.7	42
1981	Pharmacotherapy of Pulmonary Hypertension. <i>Handbook of Experimental Pharmacology</i> , 2013, , .	0.9	3
1983	Molecular Pathways: PI3K Pathway Targets in Triple-Negative Breast Cancers. <i>Clinical Cancer Research</i> , 2013, 19, 3738-3744.	3.2	53
1984	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
1985	Systems-Level Overview of Host Protein Phosphorylation During <i>Shigella flexneri</i> Infection Revealed by Phosphoproteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2952-2968.	2.5	50
1986	Autophagy and ageing: Insights from invertebrate model organisms. <i>Ageing Research Reviews</i> , 2013, 12, 413-428.	5.0	65
1987	Update on Staphylococcal Superantigen-Induced Signaling Pathways and Therapeutic Interventions. <i>Toxins</i> , 2013, 5, 1629-1654.	1.5	52
1988	Regulatory Coordination between Two Major Intracellular Homeostatic Systems. <i>Journal of Biological Chemistry</i> , 2013, 288, 14959-14972.	1.6	133
1989	Everolimus in Advanced Pancreatic Neuroendocrine Tumors: The Clinical Experience. <i>Cancer Research</i> , 2013, 73, 1449-1453.	0.4	75
1990	Autophagy alleviates neurodegeneration caused by mild impairment of oxidative metabolism. <i>Journal of Neurochemistry</i> , 2013, 126, 805-818.	2.1	29
1991	3D-QSAR and docking studies of 3-Pyridine heterocyclic derivatives as potent PI3K/mTOR inhibitors. <i>Journal of Molecular Structure</i> , 2013, 1054-1055, 107-116.	1.8	8
1992	Biological therapies in breast cancer: Common toxicities and management strategies. <i>Breast</i> , 2013, 22, 1009-1018.	0.9	26
1993	The Combination of Sorafenib and Everolimus Abrogates mTORC1 and mTORC2 Upregulation in Osteosarcoma Preclinical Models. <i>Clinical Cancer Research</i> , 2013, 19, 2117-2131.	3.2	96
1994	Murine models of atrophy, cachexia, and sarcopenia in skeletal muscle. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1410-1420.	1.8	77
1995	Everolimus in the treatment of patients with advanced pancreatic neuroendocrine tumors: latest findings and interpretations. <i>Therapeutic Advances in Gastroenterology</i> , 2013, 6, 412-419.	1.4	16
1996	Inferring the effective TOR-dependent network: a computational study in yeast. <i>BMC Systems Biology</i> , 2013, 7, 84.	3.0	3

#	ARTICLE	IF	CITATIONS
1997	Association of CAD, a multifunctional protein involved in pyrimidine synthesis, with mLST8, a component of the mTOR complexes. <i>Journal of Biomedical Science</i> , 2013, 20, 24.	2.6	17
1998	Polycystin-1 but not polycystin-2 deficiency causes upregulation of the mTOR pathway and can be synergistically targeted with rapamycin and metformin. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 466, 1591-604.	1.3	20
1999	Defining biomarkers to predict sensitivity to PI3K/Akt/mTOR pathway inhibitors in breast cancer. <i>Cancer Treatment Reviews</i> , 2013, 39, 313-320.	3.4	81
2000	Synergistic inhibition of ovarian cancer cell growth by combining selective PI3K/mTOR and RAS/ERK pathway inhibitors. <i>European Journal of Cancer</i> , 2013, 49, 3936-3944.	1.3	72
2001	Involvement of PI3K-AKT-mTOR pathway in protein kinase CKII inhibition-mediated senescence in human colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 420-425.	1.0	33
2002	Targeting the PI3-Kinase/Akt/mTOR Signaling Pathway. <i>Surgical Oncology Clinics of North America</i> , 2013, 22, 641-664.	0.6	161
2003	Postprandial regulation of hepatic glucokinase and lipogenesis requires the activation of TORC1 signaling in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2013, 216, 4483-92.	0.8	53
2004	Disruption of the PI3K/AKT/mTOR signaling cascade and induction of apoptosis in HL-60 cells by an essential oil from <i>Monarda citriodora</i> . <i>Food and Chemical Toxicology</i> , 2013, 62, 246-254.	1.8	54
2005	Differentiating mTOR inhibitors in renal cell carcinoma. <i>Cancer Treatment Reviews</i> , 2013, 39, 709-719.	3.4	85
2006	Erlotinib-induced autophagy in epidermal growth factor receptor mutated non-small cell lung cancer. <i>Lung Cancer</i> , 2013, 81, 354-361.	0.9	118
2007	The Molecular Biology of Renal Cell Carcinoma. <i>Seminars in Oncology</i> , 2013, 40, 421-428.	0.8	40
2008	TSC1/2 regulates intestinal stem cell maintenance and lineage differentiation via Rheb-TORC1-S6K but independent of nutrition status or Notch regulation. <i>Journal of Cell Science</i> , 2013, 126, 3884-92.	1.2	33
2009	Hyper-Activation of the Target of Rapamycin (Tor) Kinase 1 Decreases Intracellular Glutathione Content in <i>Saccharomyces cerevisiae</i> as Revealed by LC-MS/MS Analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1608-1611.	0.6	3
2010	A functional autophagy pathway is required for rapamycin-induced degradation of the Sgs1 helicase in <i>Saccharomyces cerevisiae</i> . <i>Biochemistry and Cell Biology</i> , 2013, 91, 123-130.	0.9	3
2011	Biology of "cancer metabolic phenotype." , 2013, , 15-138.		2
2012	Upregulation of glutamate transporter GLT-1 by mTOR-Akt-NF- κ B cascade in astrocytic oxygen-glucose deprivation. <i>Glia</i> , 2013, 61, 1959-1975.	2.5	51
2013	Elovl5 regulates the mTORC2-Akt-FOXO1 pathway by controlling hepatic cis-vaccenic acid synthesis in diet-induced obese mice. <i>Journal of Lipid Research</i> , 2013, 54, 71-84.	2.0	47
2014	Where is mTOR and what is it doing there?. <i>Journal of Cell Biology</i> , 2013, 203, 563-574.	2.3	454

#	ARTICLE	IF	CITATIONS
2015	Transforming Growth Factor β 2 Integrates Smad 3 to Mechanistic Target of Rapamycin Complexes to Arrest Deceptor Abundance for Glomerular Mesangial Cell Hypertrophy. <i>Journal of Biological Chemistry</i> , 2013, 288, 7756-7768.	1.6	31
2016	CNS insulin signaling in the control of energy homeostasis and glucose metabolism “ from embryo to old age. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 76-84.	3.1	161
2017	Sustained Activation of ERK1/2 MAPK in Oligodendrocytes and Schwann Cells Enhances Myelin Growth and Stimulates Oligodendrocyte Progenitor Expansion. <i>Journal of Neuroscience</i> , 2013, 33, 175-186.	1.7	175
2018	Beyond control of protein translation: What we have learned about the non-canonical regulation and function of mammalian target of rapamycin (mTOR). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1434-1448.	1.1	40
2019	Senescence Regulation by mTOR. <i>Methods in Molecular Biology</i> , 2013, 965, 15-35.	0.4	32
2020	Upregulation of amino acid transporter expression induced by I-leucine availability in L6 myotubes is associated with ATF4 signaling through mTORC1-dependent mechanism. <i>Nutrition</i> , 2013, 29, 284-290.	1.1	24
2021	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
2022	Autophagy, polyphenols and healthy ageing. <i>Ageing Research Reviews</i> , 2013, 12, 237-252.	5.0	138
2023	Determinants of intra-specific variation in basal metabolic rate. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 27-41.	0.7	136
2024	dRAGging Amino Acid-mTORC1 Signaling by SH3BP4. <i>Molecules and Cells</i> , 2013, 35, 1-6.	1.0	16
2025	Resveratrol pre-treatment reduces early inflammatory responses induced by status epilepticus via mTOR signaling. <i>Brain Research</i> , 2013, 1492, 122-129.	1.1	46
2026	SCFFbx9 and CK2 direct the cellular response to growth factor withdrawal via Tel2/Tti1 degradation and promote survival in multiple myeloma. <i>Nature Cell Biology</i> , 2013, 15, 72-81.	4.6	76
2027	Recent advances in understanding the molecular mechanisms of the development and function of α 17 cells. <i>Genes To Cells</i> , 2013, 18, 247-265.	0.5	72
2028	Molecular mechanisms of curcumin action: Gene expression. <i>BioFactors</i> , 2013, 39, 37-55.	2.6	208
2029	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
2030	Pentoxifylline and propentofylline prevent proliferation and activation of the mammalian target of rapamycin and mitogen activated protein kinase in cultured spinal astrocytes. <i>Journal of Neuroscience Research</i> , 2013, 91, 300-312.	1.3	17
2031	Reduced scytonemin isolated from <i>Nostoc commune</i> induces autophagic cell death in human T-lymphoid cell line Jurkat cells. <i>Food and Chemical Toxicology</i> , 2013, 60, 76-82.	1.8	35
2032	Effects of dietary amino acid patterns on growth and protein metabolism of large yellow croaker (<i>Larimichthys crocea</i>) larvae. <i>Aquaculture</i> , 2013, 406-407, 1-8.	1.7	35

#	ARTICLE	IF	CITATIONS
2033	Attenuation of the activated mammalian target of rapamycin pathway might be associated with renal function reserve by a low-protein diet in the rat remnant kidney model. <i>Nutrition Research</i> , 2013, 33, 761-771.	1.3	6
2034	Geranylgeranylacetone inhibits melanin synthesis via ERK activation in Mel-Ab cells. <i>Life Sciences</i> , 2013, 93, 226-232.	2.0	11
2035	A molecular rheostat at the interface of cancer and diabetes. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013, 1836, 166-176.	3.3	16
2036	Expression of budding yeast FKBP12 confers rapamycin susceptibility to the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 264-269.	1.0	26
2037	Rapamycin Induces Mitogen-activated Protein (MAP) Kinase Phosphatase-1 (MKP-1) Expression through Activation of Protein Kinase B and Mitogen-activated Protein Kinase Kinase Pathways. <i>Journal of Biological Chemistry</i> , 2013, 288, 33966-33977.	1.6	47
2038	S6K1 inhibition enhances tamoxifen-induced cell death in MCF-7 cells through translational inhibition of Mcl-1 and survivin. <i>Cell Biology and Toxicology</i> , 2013, 29, 273-282.	2.4	23
2039	TORC2 signaling antagonizes SKN-1 to induce <i>C. elegans</i> mesendodermal embryonic development. <i>Developmental Biology</i> , 2013, 384, 214-227.	0.9	22
2040	Inhibition of the mitochondrial Hsp90 chaperone network: A novel, efficient treatment strategy for cancer?. <i>Cancer Letters</i> , 2013, 333, 133-146.	3.2	50
2041	The regulatory role of NF- κ B in autophagy-like cell death after focal cerebral ischemia in mice. <i>Neuroscience</i> , 2013, 244, 16-30.	1.1	80
2042	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
2043	Emerging therapies for sarcoma. <i>Current Problems in Cancer</i> , 2013, 37, 87-101.	1.0	0
2044	Increased mTORC1 activity contributes to atherosclerosis in apolipoprotein E knockout mice and in vascular smooth muscle cells. <i>International Journal of Cardiology</i> , 2013, 168, 5450-5453.	0.8	9
2045	Sustained overexpression of Redd1 leads to Akt activation involved in cell survival. <i>Cancer Letters</i> , 2013, 336, 319-324.	3.2	21
2046	Anti-proliferative effect of (19Z)-halichondramide, a novel marine macrolide isolated from the sponge <i>Chondrosia corticata</i> , is associated with G2/M cell cycle arrest and suppression of mTOR signaling in human lung cancer cells. <i>Toxicology in Vitro</i> , 2013, 27, 694-699.	1.1	32
2047	Treatment: Symptomatic treatment of hypoglycaemia. <i>Annales D'Endocrinologie</i> , 2013, 74, 196-199.	0.6	9
2048	Effect of tryptophan on growth, intestinal enzyme activities and TOR gene expression in juvenile Jian carp (<i>Cyprinus carpio</i> var. Jian): Studies in vivo and in vitro. <i>Aquaculture</i> , 2013, 412-413, 23-33.	1.7	80
2049	p70S6 kinase is a target of the novel proteasome inhibitor 3,3'-diamino-4-methoxyflavone during apoptosis in human myeloid tumor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1316-1328.	1.9	17
2050	Activation of PPAR- δ induces cell cycle arrest and inhibits transforming growth factor- β 1 induction of smooth muscle cell phenotype in 10T1/2 mesenchymal cells. <i>Cellular Signalling</i> , 2013, 25, 1252-1263.	1.7	12

#	ARTICLE	IF	CITATIONS
2051	Energy management " a critical role in cancer induction?. Critical Reviews in Oncology/Hematology, 2013, 88, 198-217.	2.0	15
2052	PI3K Signaling and miRNA Regulation in Autism Spectrum Disorders. , 2013, , 449-459.		0
2053	IL-17F co-expression improves cell growth characteristics and enhances recombinant protein production during CHO cell line engineering. Biotechnology and Bioengineering, 2013, 110, 1153-1163.	1.7	5
2054	mTOR regulates tau phosphorylation and degradation: implications for Alzheimer's disease and other tauopathies. Aging Cell, 2013, 12, 370-380.	3.0	309
2055	Mammalian target of rapamycin complex 1 (mTORC1) may modulate the timing of anagen entry in mouse hair follicles. Experimental Dermatology, 2013, 22, 77-80.	1.4	27
2056	Cell Senescence as Both a Dynamic and a Static Phenotype. Methods in Molecular Biology, 2013, 965, 1-13.	0.4	37
2057	Systemic analysis of inducible target of rapamycin mutants reveal a general metabolic switch controlling growth in Arabidopsis thaliana. Plant Journal, 2013, 73, 897-909.	2.8	205
2058	Promise of rapalogues versus mTOR kinase inhibitors in subset specific breast cancer: Old targets new hope. Cancer Treatment Reviews, 2013, 39, 403-412.	3.4	32
2059	Quantitative Phosphoproteomics Reveal mTORC1 Activates de Novo Pyrimidine Synthesis. Science, 2013, 339, 1320-1323.	6.0	427
2060	mTOR in aging, metabolism, and cancer. Current Opinion in Genetics and Development, 2013, 23, 53-62.	1.5	402
2061	Inhibition of Glycogen Synthase Kinase-3 Ameliorates β -Amyloid Pathology and Restores Lysosomal Acidification and Mammalian Target of Rapamycin Activity in the Alzheimer Disease Mouse Model. Journal of Biological Chemistry, 2013, 288, 1295-1306.	1.6	193
2062	Trypanosoma brucei FKBP12 Differentially Controls Motility and Cytokinesis in Procyclic and Bloodstream Forms. Eukaryotic Cell, 2013, 12, 168-181.	3.4	9
2063	mTORC2 controls actin polymerization required for consolidation of long-term memory. Nature Neuroscience, 2013, 16, 441-448.	7.1	276
2064	Shuttle vectors for facile gap repair cloning and integration into a neutral locus in Candida albicans. Microbiology (United Kingdom), 2013, 159, 565-579.	0.7	74
2065	Duration of Rapamycin Treatment Has Differential Effects on Metabolism in Mice. Cell Metabolism, 2013, 17, 456-462.	7.2	165
2066	mTORC2: actin on your memory. Nature Neuroscience, 2013, 16, 379-380.	7.1	11
2067	Developmental Checkpoints and Feedback Circuits Time Insect Maturation. Current Topics in Developmental Biology, 2013, 103, 1-33.	1.0	113
2068	Application and interpretation of current autophagy inhibitors and activators. Acta Pharmacologica Sinica, 2013, 34, 625-635.	2.8	286

#	ARTICLE	IF	CITATIONS
2069	The evolution of the TOR pathway and its role in cancer. <i>Oncogene</i> , 2013, 32, 3923-3932.	2.6	136
2070	Hypothalamic mTORC1 Signaling Controls Sympathetic Nerve Activity and Arterial Pressure and Mediates Leptin Effects. <i>Cell Metabolism</i> , 2013, 17, 599-606.	7.2	81
2071	Everolimus in colorectal cancer. <i>Expert Opinion on Pharmacotherapy</i> , 2013, 14, 505-513.	0.9	22
2072	The GH/IGF-1 axis in ageing and longevity. <i>Nature Reviews Endocrinology</i> , 2013, 9, 366-376.	4.3	418
2073	New developments in lentiviral vector design, production and purification. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 987-1011.	1.4	87
2074	Biology of Renal Cell Carcinoma (Vascular Endothelial Growth Factor, Mammalian Target of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T5		
2075	Mammalian Target of Rapamycin in Renal Cell Carcinoma. , 2013, , 317-337.		0
2076	Metabolic Regulation of Kisspeptin. <i>Advances in Experimental Medicine and Biology</i> , 2013, 784, 363-383.	0.8	32
2077	Neuropeptidergic regulation of reproduction in insects. <i>General and Comparative Endocrinology</i> , 2013, 188, 23-34.	0.8	39
2078	The Role of Autophagy in Drosophila Metamorphosis. <i>Current Topics in Developmental Biology</i> , 2013, 103, 101-125.	1.0	58
2079	Molecular and Genetic Crosstalks between mTOR and ERR α Are Key Determinants of Rapamycin-Induced Nonalcoholic Fatty Liver. <i>Cell Metabolism</i> , 2013, 17, 586-598.	7.2	132
2080	Suppression of Conditioned Odor Approach by Feeding Is Independent of Taste and Nutritional Value in Drosophila. <i>Current Biology</i> , 2013, 23, 507-514.	1.8	33
2081	Tryptophan metabolism: entering the field of aging and age-related pathologies. <i>Trends in Molecular Medicine</i> , 2013, 19, 336-344.	3.5	133
2083	Chemical Development of Intracellular Protein Heterodimerizers. <i>Chemistry and Biology</i> , 2013, 20, 549-557.	6.2	49
2084	Inhibition of the IL-6 signaling pathway: A strategy to combat chronic inflammatory diseases and cancer. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 163-173.	3.2	90
2085	Phosphatidic acid and lipid-sensing by mTOR. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 272-278.	3.1	89
2086	Development of a Practical Synthesis of a TORC1/2 Inhibitor: A Scalable Application of Memory of Chirality. <i>Organic Process Research and Development</i> , 2013, 17, 829-837.	1.3	20
2087	Nutrient Regulation of the mTOR Complex 1 Signaling Pathway. <i>Molecules and Cells</i> , 2013, 35, 463-473.	1.0	221

#	ARTICLE	IF	CITATIONS
2088	Differential response of skeletal muscles to mTORC1 signaling during atrophy and hypertrophy. <i>Skeletal Muscle</i> , 2013, 3, 6.	1.9	122
2089	Inhibition of the mTOR pathway: A possible protective role in coronary artery disease. <i>Annals of Medicine</i> , 2013, 45, 348-356.	1.5	85
2090	dMyc expression in the fat body affects DILP2 release and increases the expression of the fat desaturase <i>Desat1</i> resulting in organismal growth. <i>Developmental Biology</i> , 2013, 379, 64-75.	0.9	49
2091	WNT-LRP5 Signaling Induces Warburg Effect through mTORC2 Activation during Osteoblast Differentiation. <i>Cell Metabolism</i> , 2013, 17, 745-755.	7.2	294
2092	Diabetic cardiomyopathy and metabolic remodeling of the heart. <i>Life Sciences</i> , 2013, 92, 609-615.	2.0	70
2093	Tightrope act: autophagy in stem cell renewal, differentiation, proliferation, and aging. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 89-103.	2.4	108
2094	Inactivation of mTORC1 in the Developing Brain Causes Microcephaly and Affects Gliogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 7799-7810.	1.7	121
2095	Insulin receptor substrate-1 (IRS-1) forms a ribonucleoprotein complex associated with polysomes. <i>FEBS Letters</i> , 2013, 587, 2319-2324.	1.3	11
2096	Cellular signaling of amino acids towards mTORC1 activation in impaired human leucine catabolism. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 824-831.	1.9	40
2097	Modulation of TSC-mTOR signaling on immune cells in immunity and autoimmunity. <i>Journal of Cellular Physiology</i> , 2013, 229, n/a-n/a.	2.0	31
2098	Crosstalk between apoptosis, necrosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3448-3459.	1.9	1,099
2099	Melatonin induces autophagy via an mTOR-dependent pathway and enhances clearance of mutant α -GFP. <i>Journal of Pineal Research</i> , 2013, 54, 361-372.	3.4	63
2100	Energy balance regulation by thyroid hormones at central level. <i>Trends in Molecular Medicine</i> , 2013, 19, 418-427.	3.5	164
2101	To breathe or not to breathe: the haematopoietic stem/progenitor cells dilemma. <i>British Journal of Pharmacology</i> , 2013, 169, 1652-1671.	2.7	38
2102	Metastatic pancreatic neuroendocrine tumors (pNET): Placing current findings into perspective. <i>Cancer Treatment Reviews</i> , 2013, 39, 3-9.	3.4	9
2103	Mechanistic target of rapamycin in common carp: cDNA cloning, characterization, and tissue expression. <i>Gene</i> , 2013, 512, 566-572.	1.0	12
2104	The retrograde response: When mitochondrial quality control is not enough. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 400-409.	1.9	135
2105	The multi-functional roles of GNMT in toxicology and cancer. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 67-75.	1.3	35

#	ARTICLE	IF	CITATIONS
2106	G-protein-coupled receptor regulation of <i>de novo</i> purine biosynthesis: a novel druggable mechanism. <i>Biotechnology and Genetic Engineering Reviews</i> , 2013, 29, 31-48.	2.4	15
2107	PRLR Regulates Hepatic Insulin Sensitivity in Mice via STAT5. <i>Diabetes</i> , 2013, 62, 3103-3113.	0.3	49
2108	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
2109	Early Life Manganese Exposure Upregulates Tumor-Associated Genes in the Hypothalamus of Female Rats: Relationship to Manganese-Induced Precocious Puberty. <i>Toxicological Sciences</i> , 2013, 136, 373-381.	1.4	20
2110	Activation of Autophagy Rescues Amiodarone-Induced Apoptosis of Lung Epithelial Cells and Pulmonary Toxicity in Rats. <i>Toxicological Sciences</i> , 2013, 136, 193-204.	1.4	20
2111	Short-term calorie restriction protects against renal senescence of aged rats by increasing autophagic activity and reducing oxidative damage. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 570-579.	2.2	71
2112	Disruption of TSC1/2 signaling complex reveals a checkpoint governing thymic CD4 ⁺ CD25 ⁺ Foxp3 ⁺ regulatory T cell development in mice. <i>FASEB Journal</i> , 2013, 27, 3979-3990.	0.2	38
2113	Thioredoxin and Thioredoxin Target Proteins: From Molecular Mechanisms to Functional Significance. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1165-1207.	2.5	311
2114	Activation of mTOR modulates SREBP-2 to induce foam cell formation through increased retinoblastoma protein phosphorylation. <i>Cardiovascular Research</i> , 2013, 100, 450-460.	1.8	55
2115	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
2116	Rechallenge with mTOR Inhibitors in Metastatic Renal Cell Carcinoma Patients Who Progressed on Previous mTOR Inhibitor Therapy. <i>Oncology</i> , 2013, 85, 8-13.	0.9	14
2117	Combined Inhibition of mTORC1 and mTORC2 Signaling Pathways Is a Promising Therapeutic Option in Inhibiting Pheochromocytoma Tumor Growth: In Vitro and In Vivo Studies in Female Athymic Nude Mice. <i>Endocrinology</i> , 2013, 154, 646-655.	1.4	41
2118	Impact of fasting on the rhythmic expression of myogenic and metabolic factors in skeletal muscle of adult mice. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C26-C35.	2.1	53
2119	MTOR-driven quasi-programmed aging as a disposable soma theory: Blind watchmaker vs. intelligent designer. <i>Cell Cycle</i> , 2013, 12, 1842-1847.	1.3	40
2120	Interaction Between Energy Homeostasis and Reproduction: Central Effects of Leptin and Ghrelin on the Reproductive Axis. <i>Hormone and Metabolic Research</i> , 2013, 45, 919-927.	0.7	54
2121	Dopamine-Induced Regulation and Deregulation of the Catabolism of Cyclic ADP-Ribose, an Intrinsic mTOR Signal Inhibitor, During Development in the Rodent Striatum. <i>Messenger (Los Angeles, Calif.)</i> 1 0.784314 rgBT /Overl	0.7	54
2122	Central Activating Transcription Factor 4 (ATF4) Regulates Hepatic Insulin Resistance in Mice via S6K1 Signaling and the Vagus Nerve. <i>Diabetes</i> , 2013, 62, 2230-2239.	0.3	38
2123	Diffusion tensor imaging and related techniques in tuberous sclerosis complex: review and future directions. <i>Future Neurology</i> , 2013, 8, 583-597.	0.9	40

#	ARTICLE	IF	CITATIONS
2124	Phosphorylation of the TOR ATP binding domain by AGC kinase constitutes a novel mode of TOR inhibition. <i>Journal of Cell Biology</i> , 2013, 203, 595-604.	2.3	31
2125	mTOR: A Link from the Extracellular Milieu to Transcriptional Regulation of Oligodendrocyte Development. <i>ASN Neuro</i> , 2013, 5, AN20120092.	1.5	62
2126	Nutrient Signaling in Protein Homeostasis: An Increase in Quantity at the Expense of Quality. <i>Science Signaling</i> , 2013, 6, ra24.	1.6	61
2127	The Role of Autophagy in the Pathogenesis of Diabetic Nephropathy. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-9.	1.0	64
2128	Phase II Study of Everolimus in Patients with Metastatic Colorectal Adenocarcinoma Previously Treated with Bevacizumab-, Fluoropyrimidine-, Oxaliplatin-, and Irinotecan-Based Regimens. <i>Clinical Cancer Research</i> , 2013, 19, 3987-3995.	3.2	57
2129	On mTOR nomenclature. <i>Biochemical Society Transactions</i> , 2013, 41, 887-888.	1.6	19
2130	mTOR plays a critical role in p53-induced oxidative kidney cell injury in HIVAN. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F343-F354.	1.3	19
2131	Nature's Timepiece Molecular Coordination of Metabolism and Its Impact on Aging. <i>International Journal of Molecular Sciences</i> , 2013, 14, 3026-3049.	1.8	6
2132	Sugar metabolism and the plant target of rapamycin kinase: a sweet operaTOR?. <i>Frontiers in Plant Science</i> , 2013, 4, 93.	1.7	79
2133	Nutrient Restriction and Radiation Therapy for Cancer Treatment: When Less Is More. <i>Oncologist</i> , 2013, 18, 97-103.	1.9	47
2134	A Novel Insight into the Cardiotoxicity of Antineoplastic Drug Doxorubicin. <i>International Journal of Molecular Sciences</i> , 2013, 14, 21629-21646.	1.8	29
2135	Insulin signalling to the kidney in health and disease. <i>Clinical Science</i> , 2013, 124, 351-370.	1.8	38
2136	The Role of Autophagy in Genome Stability through Suppression of Abnormal Mitosis under Starvation. <i>PLoS Genetics</i> , 2013, 9, e1003245.	1.5	62
2137	Active Component of <i>Antrodia cinnamomea</i> Mycelia Targeting Head and Neck Cancer Initiating Cells through Exaggerated Autophagic Cell Death. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-15.	0.5	17
2138	Topical rapamycin (sirolimus) for facial angiofibromas. <i>Indian Dermatology Online Journal</i> , 2013, 4, 54.	0.2	30
2139	<i>Listeria</i> phospholipases subvert host autophagic defenses by stalling pre-autophagosomal structures. <i>EMBO Journal</i> , 2013, 32, 3066-3078.	3.5	123
2140	Rapamycin inhibition of mTORC1 reverses lithium-induced proliferation of renal collecting duct cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1201-F1208.	1.3	18
2141	Target of Rapamycin Signaling Regulates Metabolism, Growth, and Life Span in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 24, 4850-4874.	3.1	235

#	ARTICLE	IF	CITATIONS
2142	Integrated Module and Gene-Specific Regulatory Inference Implicates Upstream Signaling Networks. <i>PLoS Computational Biology</i> , 2013, 9, e1003252.	1.5	78
2143	Stimulation of mTORC1 with L-leucine Rescues Defects Associated with Roberts Syndrome. <i>PLoS Genetics</i> , 2013, 9, e1003857.	1.5	63
2144	eIF4EBP3L Acts as a Gatekeeper of TORC1 In Activity-Dependent Muscle Growth by Specifically Regulating Mef2ca Translational Initiation. <i>PLoS Biology</i> , 2013, 11, e1001679.	2.6	35
2145	Molecular circuit involving KLK4 integrates androgen and mTOR signaling in prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2572-81.	3.3	56
2146	Short-Term Feed Deprivation Rapidly Induces the Protein Degradation Pathway in Skeletal Muscles of Young Mice. <i>Journal of Nutrition</i> , 2013, 143, 403-409.	1.3	22
2147	Spargel <i> et al.</i> PGC-1 Is a New Downstream Effector in the Insulin-Dependent TOR Signaling Pathway in <i>Drosophila</i> . <i>Genetics</i> , 2013, 195, 433-441.	1.2	23
2148	Mammalian Target of Rapamycin Regulates Nox4-Mediated Podocyte Depletion in Diabetic Renal Injury. <i>Diabetes</i> , 2013, 62, 2935-2947.	0.3	119
2149	The variability of autophagy and cell death susceptibility. <i>Autophagy</i> , 2013, 9, 1270-1285.	4.3	126
2150	TORC1-regulated protein kinase Npr1 phosphorylates Orm to stimulate complex sphingolipid synthesis. <i>Molecular Biology of the Cell</i> , 2013, 24, 870-881.	0.9	88
2151	The Rac1 hypervariable region in targeting and signaling. <i>Small GTPases</i> , 2013, 4, 78-89.	0.7	41
2152	Autophagy Controls p38 Activation to Promote Cell Survival under Genotoxic Stress. <i>Journal of Biological Chemistry</i> , 2013, 288, 1603-1611.	1.6	91
2153	mTORC1 Inhibitors Suppress Meningioma Growth in Mouse Models. <i>Clinical Cancer Research</i> , 2013, 19, 1180-1189.	3.2	85
2154	Activation of serum/glucocorticoid-induced kinase 1 (SGK1) underlies increased glycogen levels, mTOR activation, and autophagy defects in Lafora disease. <i>Molecular Biology of the Cell</i> , 2013, 24, 3776-3786.	0.9	39
2155	Mechanistic target of rapamycin controls homeostasis of adipogenesis. <i>Journal of Lipid Research</i> , 2013, 54, 2166-2173.	2.0	34
2156	Regulation of FANCD2 by the mTOR Pathway Contributes to the Resistance of Cancer Cells to DNA Double-Strand Breaks. <i>Cancer Research</i> , 2013, 73, 3393-3401.	0.4	78
2157	Current Phase II clinical data for ridaforolimus in cancer. <i>Expert Opinion on Investigational Drugs</i> , 2013, 22, 1485-1493.	1.9	6
2158	ARID1A Mutations and PI3K/AKT Pathway Alterations in Endometriosis and Endometriosis-Associated Ovarian Carcinomas. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18824-18849.	1.8	129
2159	Rapamycin Inhibits Smooth Muscle Cell Proliferation and Obstructive Arteriopathy Attributable to Elastin Deficiency. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1028-1035.	1.1	39

#	ARTICLE	IF	CITATIONS
2160	Aging is not programmed. <i>Cell Cycle</i> , 2013, 12, 3736-3742.	1.3	118
2161	Rapamycin regulates connective tissue growth factor expression of lung epithelial cells via phosphoinositide 3-kinase. <i>Experimental Biology and Medicine</i> , 2013, 238, 1082-1094.	1.1	23
2162	Systematic characterization of the conformation and dynamics of budding yeast chromosome XII. <i>Journal of Cell Biology</i> , 2013, 202, 201-210.	2.3	51
2163	Reactive nitrogen species regulate autophagy through ATM-AMPK-TSC2-mediated suppression of mTORC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2950-7.	3.3	212
2164	Mammalian target of rapamycin and Rictor control neutrophil chemotaxis by regulating Rac/Cdc42 activity and the actin cytoskeleton. <i>Molecular Biology of the Cell</i> , 2013, 24, 3369-3380.	0.9	75
2165	Alternative Pre-mRNA Splicing, Cell Death, and Cancer. <i>Cancer Treatment and Research</i> , 2013, 158, 181-212.	0.2	8
2166	Functional Profiling of Receptor Tyrosine Kinases and Downstream Signaling in Human Chondrosarcomas Identifies Pathways for Rational Targeted Therapy. <i>Clinical Cancer Research</i> , 2013, 19, 3796-3807.	3.2	77
2167	Major Signaling Pathways Involved in Breast Cancer. , 2013, , 47-64.		3
2168	Neuronal-Specific Iron Deficiency Dysregulates Mammalian Target of Rapamycin Signaling during Hippocampal Development in Nonanemic Genetic Mouse Models. <i>Journal of Nutrition</i> , 2013, 143, 260-266.	1.3	32
2169	miRNA-100 Inhibits Human Bladder Urothelial Carcinogenesis by Directly Targeting mTOR. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 207-219.	1.9	89
2170	Neuronal Autophagy and Prion Proteins. , 0, , .		3
2171	Reduced Insulin/Insulin-like Growth Factor-1 Signaling and Dietary Restriction Inhibit Translation but Preserve Muscle Mass in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3624-3639.	2.5	79
2172	mTORC1 and mTORC2 regulate insulin secretion through Akt in INS-1 cells. <i>Journal of Endocrinology</i> , 2013, 216, 21-29.	1.2	32
2173	Influence of GABA on Brain Protein Synthesis Mediated by the Mammalian Target on the Rapamycin Pathway. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 660-662.	0.6	4
2174	Anticancer Effects of Niclosamide in Human Glioblastoma. <i>Clinical Cancer Research</i> , 2013, 19, 4124-4136.	3.2	135
2175	E-Cadherin and β -1/2-Catenin Expression during Urothelial Carcinogenesis Induced by N-butyl-N-(4-hydroxybutyl) nitrosamine in Mice. <i>Urologia Internationalis</i> , 2013, 91, 462-466.	0.6	4
2176	Microtubule-associated Protein/Microtubule Affinity-regulating Kinase 4 (MARK4) Is a Negative Regulator of the Mammalian Target of Rapamycin Complex 1 (mTORC1). <i>Journal of Biological Chemistry</i> , 2013, 288, 703-708.	1.6	64
2177	Ras Protein/cAMP-dependent Protein Kinase Signaling Is Negatively Regulated by a Deubiquitinating Enzyme, Ubp3, in Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 11358-11365.	1.6	21

#	ARTICLE	IF	CITATIONS
2178	TORC2 Is Required to Maintain Genome Stability during S Phase in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 19649-19660.	1.6	25
2179	Rac-1 Superactivation Triggers Insulin-independent Glucose Transporter 4 (GLUT4) Translocation That Bypasses Signaling Defects Exerted by c-Jun N-terminal kinase (JNK)- and Ceramide-induced Insulin Resistance. <i>Journal of Biological Chemistry</i> , 2013, 288, 17520-17531.	1.6	40
2180	Autoregulation of the Mechanistic Target of Rapamycin (mTOR) Complex 2 Integrity Is Controlled by an ATP-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2013, 288, 27019-27030.	1.6	31
2181	Dysregulated mTORC1 renders cells critically dependent on desaturated lipids for survival under tumor-like stress. <i>Genes and Development</i> , 2013, 27, 1115-1131.	2.7	170
2182	Unravelling the connection between metabolism and tumorigenesis through studies of the liver kinase B1 tumour suppressor. <i>Journal of Carcinogenesis</i> , 2013, 12, 16.	2.5	20
2183	Combining mTOR Inhibitors with Chemotherapy and Other Targeted Therapies in Advanced Breast Cancer: Rationale, Clinical Experience, and Future Directions. <i>Breast Cancer: Basic and Clinical Research</i> , 2013, 7, BCBCR.S10071.	0.6	31
2184	A wheat PI4K gene whose product possesses threonine autophosphorylation activity confers tolerance to drought and salt in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 2915-2927.	2.4	141
2185	Rapamycin Inhibits ALDH Activity, Resistance to Oxidative Stress, and Metastatic Potential in Murine Osteosarcoma Cells. <i>Sarcoma</i> , 2013, 2013, 1-11.	0.7	43
2186	Structure and Physiological Actions of Ghrelin. <i>Scientifica</i> , 2013, 2013, 1-25.	0.6	144
2187	ScFKBP12 bridges rapamycin and AtTOR in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e26115.	1.2	7
2188	Transient Exposure to Low Levels of Insecticide Affects Metabolic Networks of Honeybee Larvae. <i>PLoS ONE</i> , 2013, 8, e68191.	1.1	108
2189	Role of Mammalian Target of Rapamycin (mTOR) in Muscle Growth. , 2013, , 217-227.		2
2190	AMP-activated protein kinase counteracts brain-derived neurotrophic factor-induced mammalian target of rapamycin complex 1 signaling in neurons. <i>Journal of Neurochemistry</i> , 2013, 127, 66-77.	2.1	43
2191	Suppression of autophagy by FIP200 deletion leads to osteopenia in mice through the inhibition of osteoblast terminal differentiation. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2414-2430.	3.1	187
2192	S6K1 and E2FB are in mutually antagonistic regulatory links controlling cell growth and proliferation in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e24367.	1.2	17
2193	Activation of AMPK/TSC2/PLD by Alcohol Regulates mTORC1 and mTORC2 Assembly in C2C12 Myocytes. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1849-1861.	1.4	17
2194	Genetic variations of mTORC1 genes and risk of gastric cancer in an eastern chinese population. <i>Molecular Carcinogenesis</i> , 2013, 52, 70-79.	1.3	118
2195	Additive effect of sirolimus and anti-death receptor 5 agonistic antibody against hepatocellular carcinoma. <i>Liver International</i> , 2013, 33, 1441-1448.	1.9	4

#	ARTICLE	IF	CITATIONS
2196	Intracellular signalling during female gametogenesis. <i>Molecular Human Reproduction</i> , 2013, 19, 265-278.	1.3	56
2197	Development of everolimus, a novel oral mTOR inhibitor, across a spectrum of diseases. <i>Annals of the New York Academy of Sciences</i> , 2013, 1291, 14-32.	1.8	74
2198	Mutation in <i>TTI2</i> Reveals a Role for Triple T Complex in Human Brain Development. <i>Human Mutation</i> , 2013, 34, 1472-1476.	1.1	25
2199	Evolutionarily conserved regulation of TOR signalling. <i>Journal of Biochemistry</i> , 2013, 154, 1-10.	0.9	48
2200	Mutations in Critical Domains Confer the Human mTOR Gene Strong Tumorigenicity*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6511-6521.	1.6	40
2201	Modelling of glioblastoma growth by linking a molecular interaction network with an agent-based model. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2013, 19, 417-433.	1.4	7
2202	mTOR complex 2-Akt signaling at mitochondria-associated endoplasmic reticulum membranes (MAM) regulates mitochondrial physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12526-12534.	3.3	435
2203	Immunosuppressants in cancer prevention and therapy. <i>Oncology</i> , 2013, 2, e26961.	2.1	42
2204	NMR- and Circular Dichroism-monitored Lipid Binding Studies Suggest a General Role for the FATC Domain as Membrane Anchor of Phosphatidylinositol 3-Kinase-related Kinases (PIKK). <i>Journal of Biological Chemistry</i> , 2013, 288, 20046-20063.	1.6	17
2205	Proteasome-dependent Activation of Mammalian Target of Rapamycin Complex 1 (mTORC1) Is Essential for Autophagy Suppression and Muscle Remodeling Following Denervation. <i>Journal of Biological Chemistry</i> , 2013, 288, 1125-1134.	1.6	91
2206	Harnessing autophagy for cell fate control gene therapy. <i>Autophagy</i> , 2013, 9, 1069-1079.	4.3	7
2207	mTORC1 signaling inhibition by rapamycin and caffeine affect lifespan, global gene expression, and cell proliferation of fission yeast. <i>Aging Cell</i> , 2013, 12, 563-573.	3.0	120
2208	Selective anti-cancer agents as anti-aging drugs. <i>Cancer Biology and Therapy</i> , 2013, 14, 1092-1097.	1.5	41
2210	Concentrative nucleoside transporter 1 (hCNT1) promotes phenotypic changes relevant to tumor biology in a translocation-independent manner. <i>Cell Death and Disease</i> , 2013, 4, e648-e648.	2.7	26
2211	HIF-independent role of prolyl hydroxylases in the cellular response to amino acids. <i>Oncogene</i> , 2013, 32, 4549-4556.	2.6	106
2212	Tricorned/NDR kinase signaling mediates PINK1-directed mitochondrial quality control and tissue maintenance. <i>Genes and Development</i> , 2013, 27, 157-162.	2.7	45
2213	Ablation of the mTORC2 component rictor in brain or Purkinje cells affects size and neuron morphology. <i>Journal of Cell Biology</i> , 2013, 201, 293-308.	2.3	218
2214	PPAR γ Induces Estrogen Receptor-Positive Mammary Neoplasia through an Inflammatory and Metabolic Phenotype Linked to mTOR Activation. <i>Cancer Research</i> , 2013, 73, 4349-4361.	0.4	52

#	ARTICLE	IF	CITATIONS
2215	Rapamycin regulates biochemical metabolites. <i>Cell Cycle</i> , 2013, 12, 2454-2467.	1.3	8
2216	Phase II study of everolimus in metastatic urothelial cancer. <i>BJU International</i> , 2013, 112, 462-470.	1.3	153
2217	Role of PI3K, mTOR and Akt2 signalling in hepatic tumorigenesis via the control of PKM2 expression. <i>Biochemical Society Transactions</i> , 2013, 41, 917-922.	1.6	39
2218	Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of Parkinson's disease. <i>International Journal of Molecular Medicine</i> , 2013, 31, 825-832.	1.8	85
2219	Polymorphisms in mTORC1 Genes Modulate Risk of Esophageal Squamous Cell Carcinoma in Eastern Chinese Populations. <i>Journal of Thoracic Oncology</i> , 2013, 8, 788-795.	0.5	31
2220	Requirement for Rictor in homeostasis and function of mature B lymphoid cells. <i>Blood</i> , 2013, 122, 2369-2379.	0.6	62
2221	DEPTOR regulates vascular endothelial cell activation and proinflammatory and angiogenic responses. <i>Blood</i> , 2013, 122, 1833-1842.	0.6	37
2224	Metallothioneins, Ageing and Cellular Senescence: A Future Therapeutic Target. <i>Current Pharmaceutical Design</i> , 2013, 19, 1753-1764.	0.9	2
2225	Targeted Anti-leukemic Therapy as Disease-stabilizing Treatment for Acute Myeloid Leukemia Relapse after Allogeneic Stem Cell Transplantation: Will it be Possible to Combine these Strategies with Retransplantation or Donor Lymphocyte Infusions?. <i>Current Cancer Drug Targets</i> , 2013, 13, 30-47.	0.8	10
2226	Regulation of Insulin Synthesis and Secretion and Pancreatic Beta-Cell Dysfunction in Diabetes. <i>Current Diabetes Reviews</i> , 2013, 9, 25-53.	0.6	560
2227	Dietary melatonin supplementation alters uteroplacental amino acid flux during intrauterine growth restriction in ewes. <i>Animal</i> , 2013, 7, 1500-1507.	1.3	26
2228	Abrogation of Chronic Rejection in Rat Model System Involves Modulation of the mTORC1 and mTORC2 Pathways. <i>Transplantation</i> , 2013, 96, 782-790.	0.5	15
2229	Autophagic/lysosomal dysfunction in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 53.	3.0	147
2230	Knockdown of DEPTOR induces apoptosis, increases chemosensitivity to doxorubicin and suppresses autophagy in RPMI-8226 human multiple myeloma cells in vitro. <i>International Journal of Molecular Medicine</i> , 2013, 31, 1127-1134.	1.8	26
2231	Clinical evidence of the efficacy of everolimus and its potential in the treatment of breast cancer. <i>Breast Cancer: Targets and Therapy</i> , 2013, 5, 27.	1.0	2
2232	The Role of Mechanistic Target of Rapamycin (mTOR) Complexes Signaling in the Immune Responses. <i>Nutrients</i> , 2013, 5, 2231-2257.	1.7	64
2233	Metabolic Control by Target of Rapamycin and Autophagy during Ageing - A Mini-Review. <i>Gerontology</i> , 2013, 59, 340-348.	1.4	35
2234	The PI3K/Akt/mTOR Pathway in Ovarian Cancer: Biological Rationale and Therapeutic Opportunities. , 0, , .		9

#	ARTICLE	IF	CITATIONS
2235	The Regulation of the Autophagic Network and Its Implications for Human Disease. <i>International Journal of Biological Sciences</i> , 2013, 9, 1121-1133.	2.6	33
2236	Translational Control in Tumour Progression and Drug Resistance. , 2013, , .		0
2237	Gastric Cancer: Molecular Pathology State. , 0, , .		0
2238	Metabolic stress regulates cytoskeletal dynamics and metastasis of cancer cells. <i>Journal of Clinical Investigation</i> , 2013, 123, 2907-2920.	3.9	165
2239	Nutritional Interventions as Potential Strategy to Minimize Exercise-Induced Muscle Injuries in Sports. , 0, , .		1
2240	Pharmacological Inhibition of mTORC1 Prevents Over-Activation of the Primordial Follicle Pool in Response to Elevated PI3K Signaling. <i>PLoS ONE</i> , 2013, 8, e53810.	1.1	85
2241	Specific Disruption of Tsc1 in Ovarian Granulosa Cells Promotes Ovulation and Causes Progressive Accumulation of Corpora Lutea. <i>PLoS ONE</i> , 2013, 8, e54052.	1.1	19
2242	Sex-Specific Weight Loss Mediates Sexual Size Dimorphism in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e58936.	1.1	71
2243	Amelioration of Behavioral Abnormalities in BH4-deficient Mice by Dietary Supplementation of Tyrosine. <i>PLoS ONE</i> , 2013, 8, e60803.	1.1	9
2244	Dual Regulation of Cadmium-Induced Apoptosis by mTORC1 through Selective Induction of IRE1 Branches in Unfolded Protein Response. <i>PLoS ONE</i> , 2013, 8, e64344.	1.1	28
2245	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
2246	ING3 Is Essential for Asymmetric Cell Division during Mouse Oocyte Maturation. <i>PLoS ONE</i> , 2013, 8, e74749.	1.1	18
2247	Inhibition of mTOR Reduces Anal Carcinogenesis in Transgenic Mouse Model. <i>PLoS ONE</i> , 2013, 8, e74888.	1.1	13
2248	Sox2 Expression Is Regulated by a Negative Feedback Loop in Embryonic Stem Cells That Involves AKT Signaling and FoxO1. <i>PLoS ONE</i> , 2013, 8, e76345.	1.1	36
2249	Role of mTOR Downstream Effector Signaling Molecules in <i>Francisella tularensis</i> Internalization by Murine Macrophages. <i>PLoS ONE</i> , 2013, 8, e83226.	1.1	11
2250	Autophagy. , 2013, , 141-157.		2
2251	Autophagy and the (Pro)renin Receptor. <i>Frontiers in Endocrinology</i> , 2013, 4, 155.	1.5	25
2252	Biotic acts of antibiotics. <i>Frontiers in Microbiology</i> , 2013, 4, 241.	1.5	32

#	ARTICLE	IF	CITATIONS
2253	Impaired rRNA synthesis triggers homeostatic responses in hippocampal neurons. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 207.	1.8	31
2254	The Dilemmas of the Gourmet Fly: The Molecular and Neuronal Mechanisms of Feeding and Nutrient Decision Making in <i>Drosophila</i> . <i>Frontiers in Neuroscience</i> , 2013, 7, 12.	1.4	119
2255	Nutrition and Healthy Ageing: Calorie Restriction or Polyphenol-Rich "Mediterranean" Diet?. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-14.	1.9	97
2256	Resveratrol: Why Is It a Promising Therapy for Chronic Kidney Disease Patients?. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-6.	1.9	61
2257	Amino Acid Supplements and Diabetes. , 2013, , 83-95.		0
2258	Autophagy in Development and Remodelling of Mammary Gland. , 2013, , .		5
2259	Berberine suppresses gero-conversion from cell cycle arrest to senescence. <i>Aging</i> , 2013, 5, 623-636.	1.4	55
2260	M(o)TOR of aging: MTOR as a universal molecular hypothalamus. <i>Aging</i> , 2013, 5, 490-494.	1.4	26
2261	Using Sirolimus for Posttransplant Management and Reduction of Tuberous Sclerosis Complex Progression in a Patient with End Stage Renal Disease Caused by Tuberous Sclerosis Complex. <i>The Journal of the Korean Society for Transplantation</i> , 2014, 28, 241.	0.2	0
2262	Sestrins in Aging and Metabolism. <i>Else-KrÄ¶ner-Fresenius-Symposia</i> , 2014, , 66-68.	0.1	0
2263	Resistance to mTOR Kinase Inhibitors in Lymphoma Cells Lacking 4EBP1. <i>PLoS ONE</i> , 2014, 9, e88865.	1.1	37
2264	Opposing Functions of Akt Isoforms in Lung Tumor Initiation and Progression. <i>PLoS ONE</i> , 2014, 9, e94595.	1.1	58
2265	Curcumin Significantly Enhances Dual PI3K/Akt and mTOR Inhibitor NVP-BEZ235-Induced Apoptosis in Human Renal Carcinoma Caki Cells through Down-Regulation of p53-Dependent Bcl-2 Expression and Inhibition of Mcl-1 Protein Stability. <i>PLoS ONE</i> , 2014, 9, e95588.	1.1	67
2266	IGF-IR Signal Transduction Protein Content and Its Activation by IGF-I in Human Placentas: Relationship with Gestational Age and Birth Weight. <i>PLoS ONE</i> , 2014, 9, e102252.	1.1	13
2267	The Anti-Diabetic Drug Metformin Reduces BACE1 Protein Level by Interfering with the MID1 Complex. <i>PLoS ONE</i> , 2014, 9, e102420.	1.1	74
2268	Resveratrol Inhibits Phenotype Modulation by Platelet Derived Growth Factor-bb in Rat Aortic Smooth Muscle Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	1.9	11
2269	The low energy signaling network. <i>Frontiers in Plant Science</i> , 2014, 5, 353.	1.7	72
2270	Loss of mTOR repressors Tsc1 or Pten has divergent effects on excitatory and inhibitory synaptic transmission in single hippocampal neuron cultures. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 1.	1.4	109

#	ARTICLE	IF	CITATIONS
2271	Divergent tissue and sex effects of rapamycin on the proteasome-chaperone network of old mice. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 83.	1.4	17
2272	Oxidative damage induced by cigarette smoke exposure in mice: impact on lung tissue and diaphragm muscle,. <i>Jornal Brasileiro De Pneumologia</i> , 2014, 40, 411-420.	0.4	19
2273	Ubiquitin Ligase-Assisted Selective Autophagy of Mitochondria. , 2014, , 151-161.		0
2274	The role of everolimus in liver transplantation. <i>Clinical and Experimental Gastroenterology</i> , 2014, 7, 329.	1.0	35
2275	Carnosine Inhibits the Proliferation of Human Gastric Carcinoma Cells by Retarding Akt/mTOR/p70S6K Signaling. <i>Journal of Cancer</i> , 2014, 5, 382-389.	1.2	46
2276	The Mechanistic Links Between Proteasome Activity, Aging and Agerelated Diseases. <i>Current Genomics</i> , 2014, 15, 38-51.	0.7	255
2277	Introduction to Autophagy. , 2014, , 1-35.		0
2278	Targeted therapy for sarcomas. <i>Biologics: Targets and Therapy</i> , 2014, 8, 91.	3.0	26
2280	A close-up view of membrane contact sites between the endoplasmic reticulum and the endolysosomal system: From yeast to man. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2014, 49, 262-268.	2.3	32
2281	High Nutrient Levels and TORC1 Activity Reduce Cell Viability following Prolonged Telomere Dysfunction and Cell Cycle Arrest. <i>Cell Reports</i> , 2014, 9, 324-335.	2.9	19
2282	State Transitions in the TORC1 Signaling Pathway and Information Processing in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2014, 198, 773-786.	1.2	117
2283	Glucose Activates TORC2-Gad8 Protein via Positive Regulation of the cAMP/cAMP-dependent Protein Kinase A (PKA) Pathway and Negative Regulation of the Pmk1 Protein-Mitogen-activated Protein Kinase Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 21727-21737.	1.6	35
2284	Pleiotropic roles of mTOR complexes in haemato-lymphopoiesis and leukemogenesis. <i>Journal of Biochemistry</i> , 2014, 156, 73-83.	0.9	21
2285	Nitrogen Source Activates TOR (Target of Rapamycin) Complex 1 via Glutamine and Independently of Ctr/Rag Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 25010-25020.	1.6	172
2286	Bowel perforation associated with temsirolimus use in a recently irradiated patient. <i>American Journal of Health-System Pharmacy</i> , 2014, 71, 919-923.	0.5	5
2287	Starvation-responsive glycine-rich protein gene in the silkworm <i>Bombyx mori</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 827-834.	0.7	7
2288	mTORC1 maintains renal tubular homeostasis and is essential in response to ischemic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2817-26.	3.3	82
2289	Role of different aberrant cell signalling pathways prevalent in acute lymphoblastic leukemia. <i>Biologia (Poland)</i> , 2014, 69, 1097-1107.	0.8	4

#	ARTICLE	IF	CITATIONS
2290	Supplementation of ketoacids contributes to the up-regulation of the Wnt7a/Akt/p70S6K pathway and the down-regulation of apoptotic and ubiquitin-proteasome systems in the muscle of 5/6 nephrectomised rats. <i>British Journal of Nutrition</i> , 2014, 111, 1536-1548.	1.2	37
2291	The role of angiogenic factors in fibroid pathogenesis: potential implications for future therapy. <i>Human Reproduction Update</i> , 2014, 20, 194-216.	5.2	116
2292	Rapamycin reverses insulin resistance (IR) in high-glucose medium without causing IR in normoglycemic medium. <i>Cell Death and Disease</i> , 2014, 5, e1214-e1214.	2.7	57
2293	miR-17 extends mouse lifespan by inhibiting senescence signaling mediated by MKP7. <i>Cell Death and Disease</i> , 2014, 5, e1355-e1355.	2.7	50
2294	Expression of a novel stress-inducible protein, sestrin 2, in rat glomerular parietal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F708-F717.	1.3	24
2295	mTOR limits the recruitment of CD11b+Gr1+Ly6Chigh myeloid-derived suppressor cells in protecting against murine immunological hepatic injury. <i>Journal of Leukocyte Biology</i> , 2014, 95, 961-970.	1.5	47
2296	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
2297	Koschei the immortal and anti-aging drugs. <i>Cell Death and Disease</i> , 2014, 5, e1552-e1552.	2.7	36
2298	Drug-induced pneumonitis in cancer patients treated with mTOR inhibitors: management and insights into possible mechanisms. <i>Expert Opinion on Drug Safety</i> , 2014, 13, 361-372.	1.0	30
2299	An mTOR anti-sense oligonucleotide decreases polycystic kidney disease in mice with a targeted mutation in Pkd2. <i>Human Molecular Genetics</i> , 2014, 23, 4919-4931.	1.4	29
2300	The <i>Aspergillus nidulans</i> ATM Kinase Regulates Mitochondrial Function, Glucose Uptake and the Carbon Starvation Response. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 49-62.	0.8	30
2301	Extension of <i>Drosophila</i> lifespan by cinnamon through a sex-specific dependence on the insulin receptor substrate chico. <i>Experimental Gerontology</i> , 2014, 60, 220-230.	1.2	33
2302	mTOR pathway: A current, up-to-date mini-review (Review). <i>Oncology Letters</i> , 2014, 8, 2367-2370.	0.8	87
2303	Evidence for a Transketolase-Mediated Metabolic Checkpoint Governing Biotrophic Growth in Rice Cells by the Blast Fungus <i>Magnaporthe oryzae</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004354.	2.1	57
2304	Longevity pathways and memory aging. <i>Frontiers in Genetics</i> , 2014, 5, 155.	1.1	30
2305	Identification of the Novel Interacting Partners of the Mammalian Target of Rapamycin Complex 1 in Human CCRF-CEM and HEK293 Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4823-4836.	1.8	7
2306	TIF-IA-Dependent Regulation of Ribosome Synthesis in <i>Drosophila</i> Muscle Is Required to Maintain Systemic Insulin Signaling and Larval Growth. <i>PLoS Genetics</i> , 2014, 10, e1004750.	1.5	23
2307	Low Concentration of Rapamycin Inhibits Hemangioma Endothelial Cell Proliferation, Migration, and Vascular Tumor Formation in Mice. <i>Current Therapeutic Research</i> , 2014, 76, 99-103.	0.5	20

#	ARTICLE	IF	CITATIONS
2308	Lowered Insulin Signalling Ameliorates Age-Related Sleep Fragmentation in Drosophila. PLoS Biology, 2014, 12, e1001824.	2.6	80
2309	Downregulation of RelA (p65) by Rapamycin Inhibits Murine Adipocyte Differentiation and Reduces Fat Mass of C57BL/6J Mice despite High Fat Diet. ISRN Obesity, 2014, 2014, 1-7.	2.2	2
2310	Sestrin 2: a regulator of the glomerular parietal epithelial cell phenotype. American Journal of Physiology - Renal Physiology, 2014, 307, F798-F799.	1.3	5
2311	Transcriptional Control of Steroid Biosynthesis Genes in the Drosophila Prothoracic Gland by Ventral Veins Lacking and Knirps. PLoS Genetics, 2014, 10, e1004343.	1.5	46
2312	Ubiquitin-Mediated Response to Microsporidia and Virus Infection in C. elegans. PLoS Pathogens, 2014, 10, e1004200.	2.1	184
2313	Regulation of Glucose-Dependent Gene Expression by the RNA Helicase Dbp2 in <i>Saccharomyces cerevisiae</i> . Genetics, 2014, 198, 1001-1014.	1.2	23
2314	Insulin Receptor Substrate-1 Associates with Small Nucleolar RNA Which Contributes to Ribosome Biogenesis. Frontiers in Endocrinology, 2014, 5, 24.	1.5	11
2315	New Approaches to Target T-ALL. Frontiers in Oncology, 2014, 4, 170.	1.3	48
2316	Current Models of Mammalian Target of Rapamycin Complex 1 (mTORC1) Activation by Growth Factors and Amino Acids. International Journal of Molecular Sciences, 2014, 15, 20753-20769.	1.8	39
2317	mTOR Signal Transduction Pathways Contribute to TN-C FNIII A1 Overexpression by Mechanical Stress in Osteosarcoma Cells. Molecules and Cells, 2014, 37, 118-125.	1.0	13
2318	Screening mTOR siRNA based on bioinformatics and detecting the transcription by the gold nanoparticle beacon. Proceedings of SPIE, 2014, , .	0.8	0
2319	Targeted therapy for renal cell carcinoma: The next lap. Journal of Carcinogenesis, 2014, 13, 3.	2.5	24
2320	Inhibition of ovarian cancer cell proliferation by Pien Tze Huang via the AKT-mTOR pathway. Oncology Letters, 2014, 7, 2047-2052.	0.8	18
2321	Unkempt Is Negatively Regulated by mTOR and Uncouples Neuronal Differentiation from Growth Control. PLoS Genetics, 2014, 10, e1004624.	1.5	48
2322	Leveraging additional knowledge to support coherent bicluster discovery in gene expression data. Intelligent Data Analysis, 2014, 18, 837-855.	0.4	8
2323	Mammalian Target of Rapamycin in Inflammatory Skin Conditions. European Journal of Inflammation, 2014, 12, 341-350.	0.2	18
2324	Insulin signaling regulates neurite growth during metamorphic neuronal remodeling. Biology Open, 2014, 3, 81-93.	0.6	28
2325	Systematic screen for mutants resistant to TORC1 inhibition in fission yeast reveals genes involved in cellular ageing and growth. Biology Open, 2014, 3, 161-171.	0.6	55

#	ARTICLE	IF	CITATIONS
2326	An investigation of nutrient-dependent mRNA translation in <i>Drosophila</i> larvae. <i>Biology Open</i> , 2014, 3, 1020-1031.	0.6	16
2327	Suppression of cytomegalovirus-specific CD8+T cells by everolimus. <i>Leukemia and Lymphoma</i> , 2014, 55, 1144-1150.	0.6	4
2328	Sestrins Inhibit mTORC1 Kinase Activation through the GATOR Complex. <i>Cell Reports</i> , 2014, 9, 1281-1291.	2.9	273
2329	Glucose substitution prolongs maintenance of energy homeostasis and lifespan of telomere dysfunctional mice. <i>Nature Communications</i> , 2014, 5, 4924.	5.8	35
2330	HMGB1-mediated autophagy promotes docetaxel resistance in human lung adenocarcinoma. <i>Molecular Cancer</i> , 2014, 13, 165.	7.9	130
2331	The Adaptor Protein p66Shc Inhibits mTOR-Dependent Anabolic Metabolism. <i>Science Signaling</i> , 2014, 7, ra17.	1.6	37
2332	Protection against cisplatin in calorie-restricted <i>Saccharomyces cerevisiae</i> is mediated by the nutrient-sensor proteins Ras2, Tor1, or Sch9 through its target Glutathione. <i>FEMS Yeast Research</i> , 2014, 14, 1147-1159.	1.1	4
2333	Diacylglycerol lipase regulates lifespan and oxidative stress response by inversely modulating TOR signaling in <i>Drosophila</i> and <i>C.Ælegans</i> . <i>Aging Cell</i> , 2014, 13, 755-764.	3.0	53
2334	Induction of mitochondrial dysfunction as a strategy for targeting tumour cells in metabolically compromised microenvironments. <i>Nature Communications</i> , 2014, 5, 3295.	5.8	197
2335	Acute rapamycin treatment improved glucose tolerance through inhibition of hepatic gluconeogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1231-R1238.	0.9	27
2336	Emerging protein kinase inhibitors for the treatment of non-Hodgkin's lymphoma. <i>Expert Opinion on Emerging Drugs</i> , 2014, 19, 367-383.	1.0	4
2337	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
2338	Mammalian target of rapamycin inhibitor rapamycin enhances anti-leukemia effect of imatinib on acute lymphoblastic leukemia cells. <i>European Journal of Haematology</i> , 2014, 92, 111-120.	1.1	16
2339	Brassinin Induces Apoptosis in PC Human Prostate Cancer Cells through the Suppression of PI3K/Akt/mTOR/S6K1 Signaling Cascades. <i>Phytotherapy Research</i> , 2014, 28, 423-431.	2.8	44
2340	TORC2 is a new player in genome stability. <i>EMBO Molecular Medicine</i> , 2014, 6, 995-1002.	3.3	35
2341	<i>S. pombe</i> TOR complex 1 activates the ubiquitin-proteasomal degradation of the meiotic regulator Mei2 in cooperation with Pat1 kinase. <i>Journal of Cell Science</i> , 2014, 127, 2639-46.	1.2	29
2342	PRAS40 prevents development of diabetic cardiomyopathy and improves hepatic insulin sensitivity in obesity. <i>EMBO Molecular Medicine</i> , 2014, 6, 57-65.	3.3	68
2343	Phase II study of everolimus in children and adults with neurofibromatosis type 2 and progressive vestibular schwannomas. <i>Neuro-Oncology</i> , 2014, 16, 292-297.	0.6	96

#	ARTICLE	IF	CITATIONS
2344	Oxaloacetate activates brain mitochondrial biogenesis, enhances the insulin pathway, reduces inflammation and stimulates neurogenesis. <i>Human Molecular Genetics</i> , 2014, 23, 6528-6541.	1.4	80
2345	mTORC2 acts in two environmentally responsive pathways with opposing effects on longevity. <i>Aging Cell</i> , 2014, 13, 869-878.	3.0	86
2346	PI3K/PTEN/Akt and TSC/mTOR signaling pathways, ovarian dysfunction, and infertility: an update. <i>Journal of Molecular Endocrinology</i> , 2014, 53, R103-R118.	1.1	168
2347	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
2348	Mudi, a web tool for identifying mutations by bioinformatics analysis of whole-genome sequence. <i>Genes To Cells</i> , 2014, 19, 517-527.	0.5	21
2349	Crosstalk between the Tor and Gcn2 pathways in response to different stresses. <i>Cell Cycle</i> , 2014, 13, 453-461.	1.3	17
2350	The Window of Desiccation Tolerance Shown by Early-Stage Germinating Seedlings Remains Open in the Resurrection Plant, <i>Xerophyta viscosa</i> . <i>PLoS ONE</i> , 2014, 9, e93093.	1.1	9
2351	The Protective Role of Autophagy in <i>Heterocephalus glaber</i> Hepatic Stellate Cells Exposed to Hypoxia or Nutritional Stress. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 463-473.	1.1	11
2352	Modulating Autophagy and the "Reverse Warburg Effect". <i>Cancer Drug Discovery and Development</i> , 2014, , 131-156.	0.2	2
2353	Use of mTOR inhibitors in the treatment of malignancies. <i>Expert Opinion on Pharmacotherapy</i> , 2014, 15, 979-990.	0.9	5
2354	MEDI-573, Alone or in Combination with Mammalian Target of Rapamycin Inhibitors, Targets the Insulin-like Growth Factor Pathway in Sarcomas. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2662-2673.	1.9	21
2355	Growth retardation and growth hormone deficiency in patients with Ataxia telangiectasia. <i>Growth Factors</i> , 2014, 32, 123-129.	0.5	44
2356	PI3K/AKT/mTOR signaling pathway as a therapeutic target for ovarian cancer. <i>Archives of Gynecology and Obstetrics</i> , 2014, 290, 1067-1078.	0.8	189
2357	The Impact of Neonatal Illness on Nutritional Requirements: One Size Does Not Fit All. <i>Current Pediatrics Reports</i> , 2014, 2, 248-254.	1.7	52
2358	Computational extraction of a neural molecular network through alternative splicing. <i>BMC Research Notes</i> , 2014, 7, 934.	0.6	5
2359	The Role of Target of Rapamycin Signaling Networks in Plant Growth and Metabolism. <i>Plant Physiology</i> , 2014, 164, 499-512.	2.3	199
2360	Rapamycin Extends Life and Health in C57BL/6 Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69A, 119-130.	1.7	250
2361	Mammalian Target of Rapamycin Complex 1 Orchestrates Invariant NKT Cell Differentiation and Effector Function. <i>Journal of Immunology</i> , 2014, 193, 1759-1765.	0.4	62

#	ARTICLE	IF	CITATIONS
2362	The Role of Tumor Suppressor p53 in the Antioxidant Defense and Metabolism. <i>Sub-Cellular Biochemistry</i> , 2014, 85, 337-358.	1.0	112
2363	Essential Amino Acid Supplementation for the Prevention and Treatment of Obesity. , 2014, , 447-458.		0
2364	Npr2 inhibits TORC1 to prevent inappropriate utilization of glutamine for biosynthesis of nitrogen-containing metabolites. <i>Science Signaling</i> , 2014, 7, ra120.	1.6	42
2365	Cucurbitacin I Induces Protective Autophagy in Glioblastoma in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2014, 289, 10607-10619.	1.6	76
2366	Tumor Metabolome Targeting and Drug Development. <i>Cancer Drug Discovery and Development</i> , 2014, , .	0.2	0
2367	T Cell Receptor-Dependent Activation of mTOR Signaling in T Cells Is Mediated by Carma1 and MALT1, But Not Bcl10. <i>Science Signaling</i> , 2014, 7, ra55.	1.6	99
2368	AMP-Activated Protein Kinase Deficiency Rescues Paraquat-Induced Cardiac Contractile Dysfunction Through an Autophagy-Dependent Mechanism. <i>Toxicological Sciences</i> , 2014, 142, 6-20.	1.4	28
2369	Information Bottleneck for Pathway-Centric Gene Expression Analysis. <i>Lecture Notes in Computer Science</i> , 2014, , 81-91.	1.0	0
2370	<i>In vivo</i> functions of small GTPases in neocortical development. <i>Biological Chemistry</i> , 2014, 395, 465-476.	1.2	10
2371	Transcriptional regulation of the stress response by mTOR. <i>Science Signaling</i> , 2014, 7, re2.	1.6	81
2372	Both Maternal and Pup Genotype Influence Ultrasonic Vocalizations and Early Developmental Milestones in <i>Tsc2^{+/Δ}</i> Mice. <i>Epilepsy Research & Treatment</i> , 2014, 2014, 1-10.	1.4	5
2373	The JNK-Like MAPK KGB-1 of <i>Caenorhabditis Elegans</i> Promotes Reproduction, Lifespan, and Gene Expressions for Protein Biosynthesis and Germline Homeostasis but Interferes with Hyperosmotic Stress Tolerance. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1951-1973.	1.1	25
2374	Autophagy, Warburg, and Warburg Reverse Effects in Human Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	58
2375	mTOR Signaling from Cellular Senescence to Organismal Aging. , 2014, 5, 263-73.		69
2376	Leptin, a mediator of cardiac damage associated with obesity. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2014, 18, 3-14.	0.3	21
2377	p53/TAp63 and AKT Regulate Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling through Two Independent Parallel Pathways in the Presence of DNA Damage. <i>Journal of Biological Chemistry</i> , 2014, 289, 4083-4094.	1.6	50
2378	Effects of individual branched-chain amino acids deprivation on insulin sensitivity and glucose metabolism in mice. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 841-850.	1.5	87
2379	Decline in mammary translational capacity during intravenous glucose infusion into lactating dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 430-438.	1.4	23

#	ARTICLE	IF	CITATIONS
2380	NVP-BEZ235, a dual PI3K/mTOR inhibitor, inhibits osteosarcoma cell proliferation and tumor development in vivo with an improved survival rate. <i>Cancer Letters</i> , 2014, 344, 291-298.	3.2	56
2381	mTOR expression in colorectal adenoma—reply. <i>Human Pathology</i> , 2014, 45, 897.	1.1	1
2382	Rapamycin protects against A β -induced synaptotoxicity by increasing presynaptic activity in hippocampal neurons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1495-1501.	1.8	18
2383	Knockdown expression of eukaryotic initiation factor 5 C-terminal domain containing protein extends lifespan in <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 465-469.	1.0	8
2385	The FoxO—BNIP3 axis exerts a unique regulation of mTORC1 and cell survival under energy stress. <i>Oncogene</i> , 2014, 33, 3183-3194.	2.6	76
2386	Introduction to Autophagy. , 2014, , 1-32.		1
2387	Study of GOLPH3: a Potential Stress-Inducible Protein from Golgi Apparatus. <i>Molecular Neurobiology</i> , 2014, 49, 1449-1459.	1.9	19
2388	The Second-Generation mTOR Kinase Inhibitor INK128 Exhibits Anti-inflammatory Activity in Lipopolysaccharide-Activated RAW 264.7 Cells. <i>Inflammation</i> , 2014, 37, 756-765.	1.7	26
2389	Antibiotic drug tigecycline inhibited cell proliferation and induced autophagy in gastric cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 105-112.	1.0	56
2390	cdc-Like/Dual-Specificity Tyrosine Phosphorylation—Regulated Kinases Inhibitor Leucettine L41 Induces mTOR-Dependent Autophagy: Implication for Alzheimer's Disease. <i>Molecular Pharmacology</i> , 2014, 85, 441-450.	1.0	30
2391	mTOR Signaling in Autophagy Regulation in the Kidney. <i>Seminars in Nephrology</i> , 2014, 34, 2-8.	0.6	59
2392	Autophagy: Emerging Therapeutic Target for Diabetic Nephropathy. <i>Seminars in Nephrology</i> , 2014, 34, 9-16.	0.6	56
2393	Autophagy in Glomerular Health and Disease. <i>Seminars in Nephrology</i> , 2014, 34, 42-52.	0.6	52
2394	Classical force field parameters for two high-affinity ligands of FKBP12. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 49, 118-128.	1.3	1
2395	Cell cycle arrest, apoptosis and autophagy induced by iminosugars on K562 cells. <i>European Journal of Pharmacology</i> , 2014, 731, 65-72.	1.7	15
2396	Sugar signals and the control of plant growth and development. <i>Journal of Experimental Botany</i> , 2014, 65, 799-807.	2.4	500
2397	Resveratrol prevents TNF- α -induced muscle atrophy via regulation of Akt/mTOR/FoxO1 signaling in C2C12 myotubes. <i>International Immunopharmacology</i> , 2014, 19, 206-213.	1.7	124
2398	Proteostasis and aging of stem cells. <i>Trends in Cell Biology</i> , 2014, 24, 161-170.	3.6	130

#	ARTICLE	IF	CITATIONS
2399	Mammalian Target of Rapamycin Signaling in Cardiac Physiology and Disease. <i>Circulation Research</i> , 2014, 114, 549-564.	2.0	352
2400	Targeting tissue-specific metabolic signaling pathways in aging: the promise and limitations. <i>Protein and Cell</i> , 2014, 5, 21-35.	4.8	32
2402	The role of PML in hematopoietic and leukemic stem cell maintenance. <i>International Journal of Hematology</i> , 2014, 100, 18-26.	0.7	13
2403	The PI3K/AKT/MTOR Signaling Pathway: The Role of PI3K and AKT Inhibitors in Breast Cancer. <i>Current Breast Cancer Reports</i> , 2014, 6, 59-70.	0.5	7
2404	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
2405	High GOLPH3 expression is associated with a more aggressive behavior of epithelial ovarian carcinoma. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014, 464, 443-452.	1.4	18
2406	AMP kinase in exercise adaptation of skeletal muscle. <i>Drug Discovery Today</i> , 2014, 19, 999-1002.	3.2	26
2407	Hexokinase-II Positively Regulates Glucose Starvation-Induced Autophagy through TORC1 Inhibition. <i>Molecular Cell</i> , 2014, 53, 521-533.	4.5	263
2408	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
2409	Glucose- and nitrogen sensing and regulatory mechanisms in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2014, 14, 683-696.	1.1	95
2410	The TOR signaling pathway regulates vegetative development and virulence in <i>Fusarium graminearum</i> . <i>New Phytologist</i> , 2014, 203, 219-232.	3.5	139
2411	The pros and the cons of mTOR inhibitors in kidney transplantation. <i>Expert Review of Clinical Immunology</i> , 2014, 10, 295-305.	1.3	41
2412	Deregulation of cell signaling in cancer. <i>FEBS Letters</i> , 2014, 588, 2558-2570.	1.3	103
2413	Synthesis of 5-substituted-1H-pyrazolo[4,3-d]pyrimidin-7(6H)-one analogs and their biological evaluation as anticancer agents: mTOR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 201-208.	2.6	36
2414	Master regulators in plant glucose signaling networks. <i>Journal of Plant Biology</i> , 2014, 57, 67-79.	0.9	191
2415	Sudestada1, a <i>Drosophila</i> ribosomal prolyl-hydroxylase required for mRNA translation, cell homeostasis, and organ growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4025-4030.	3.3	46
2416	The Brain-Stomach Connection. <i>Frontiers of Hormone Research</i> , 2014, 42, 83-92.	1.0	23
2417	Insight into Tor2, a budding yeast microdomain protein. <i>European Journal of Cell Biology</i> , 2014, 93, 87-97.	1.6	11

#	ARTICLE	IF	CITATIONS
2418	Translational control of immune responses: from transcripts to translatoemes. <i>Nature Immunology</i> , 2014, 15, 503-511.	7.0	193
2419	mTOR expression in colorectal adenoma. <i>Human Pathology</i> , 2014, 45, 895-897.	1.1	0
2420	Autophagy in adipose tissue and the beta cell: implications for obesity and diabetes. <i>Diabetologia</i> , 2014, 57, 1505-1516.	2.9	86
2421	Rapamycin nanoparticles target defective autophagy in muscular dystrophy to enhance both strength and cardiac function. <i>FASEB Journal</i> , 2014, 28, 2047-2061.	0.2	59
2422	The emerging role of mTOR signalling in antibacterial immunity. <i>Immunology and Cell Biology</i> , 2014, 92, 346-353.	1.0	31
2423	The metabolite $\hat{\pm}$ -ketoglutarate extends lifespan by inhibiting ATP synthase and TOR. <i>Nature</i> , 2014, 510, 397-401.	13.7	485
2424	New Function of Type I IFN: Induction of Autophagy. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 71-78.	0.5	104
2425	Role of protein tyrosine phosphatases in the modulation of insulin signaling and their implication in the pathogenesis of obesity-linked insulin resistance. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 79-97.	2.6	69
2426	A cascade leading to premature aging phenotypes including abnormal tumor profiles in Werner syndrome (Review). <i>International Journal of Molecular Medicine</i> , 2014, 33, 247-253.	1.8	23
2427	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
2428	Recent insights on the putative role of autophagy in autoimmune diseases. <i>Autoimmunity Reviews</i> , 2014, 13, 231-241.	2.5	39
2429	Histone deacetylase inhibitors induce apoptosis in myeloid leukemia by suppressing autophagy. <i>Leukemia</i> , 2014, 28, 577-588.	3.3	112
2430	The Molecular Basis for the Pharmacokinetics and Pharmacodynamics of Curcumin and Its Metabolites in Relation to Cancer. <i>Pharmacological Reviews</i> , 2014, 66, 222-307.	7.1	418
2431	Chrelin protects human umbilical vein endothelial cells against high glucose-induced apoptosis via mTOR/P70S6K signaling pathway. <i>Peptides</i> , 2014, 52, 23-28.	1.2	16
2432	Fetal Brain mTOR Signaling Activation in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2014, 24, 315-327.	1.6	92
2433	PI3K and cancer: lessons, challenges and opportunities. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 140-156.	21.5	1,398
2434	Phospholipases in Plant Response to Nitrogen and Phosphorus Availability. <i>Signaling and Communication in Plants</i> , 2014, , 159-180.	0.5	5
2435	Phospholipases in Plant Signaling. <i>Signaling and Communication in Plants</i> , 2014, , .	0.5	12

#	ARTICLE	IF	CITATIONS
2436	Cancer Cells Exploit eIF4E-Directed Synthesis of Hypoxia Response Proteins to Drive Tumor Progression. <i>Cancer Research</i> , 2014, 74, 1379-1389.	0.4	52
2437	The endoplasmic reticulum-mitochondria connection: One touch, multiple functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 461-469.	0.5	392
2438	Interplay between cell growth and cell cycle in plants. <i>Journal of Experimental Botany</i> , 2014, 65, 2703-2714.	2.4	145
2439	Somatic Cells Initiate Primordial Follicle Activation and Govern the Development of Dormant Oocytes in Mice. <i>Current Biology</i> , 2014, 24, 2501-2508.	1.8	176
2440	Identification of amino acids associated with skeletal muscle growth in late gestation and at weaning in lambs of well-nourished sheep. <i>Journal of Animal Science</i> , 2014, 92, 5041-5052.	0.2	7
2441	Fructose leads to hepatic steatosis in zebrafish that is reversed by mechanistic target of rapamycin (mTOR) inhibition. <i>Hepatology</i> , 2014, 60, 1581-1592.	3.6	100
2442	Targeting metastatic castration-resistant prostate cancer: mechanisms of progression and novel early therapeutic approaches. <i>Expert Opinion on Investigational Drugs</i> , 2014, 23, 469-487.	1.9	19
2443	Subependymal Giant Cell Astrocytomas in Patients With Tuberous Sclerosis Complex. <i>Journal of Child Neurology</i> , 2014, 29, 1562-1571.	0.7	22
2444	Nitrogen retention and partitioning at the initiation of lipid accumulation in nitrogen-deficient algae. <i>Journal of Phycology</i> , 2014, 50, 356-365.	1.0	23
2445	Environmental enrichment enhances autophagy signaling in the rat hippocampus. <i>Brain Research</i> , 2014, 1592, 113-123.	1.1	33
2446	mTOR signaling in tumorigenesis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 638-654.	3.3	113
2447	Macrophage mTORC1 disruption reduces inflammation and insulin resistance in obese mice. <i>Diabetologia</i> , 2014, 57, 2393-2404.	2.9	84
2448	Low-Protein Diet for Diabetic Nephropathy. <i>Current Diabetes Reports</i> , 2014, 14, 523.	1.7	22
2449	Positive Feedback in Cardioprotection. <i>Circulation Research</i> , 2014, 114, 1225-1227.	2.0	0
2450	<i>Candida albicans</i> hyphal initiation and elongation. <i>Trends in Microbiology</i> , 2014, 22, 707-714.	3.5	159
2451	ErbB targeting inhibitors repress cell migration of esophageal squamous cell carcinoma and adenocarcinoma cells by distinct signaling pathways. <i>Journal of Molecular Medicine</i> , 2014, 92, 1209-1223.	1.7	31
2452	PKD4 Protein Promotes Tumorigenesis through Activation of cAMP-response Element-binding Protein (CREB)-Ras Homolog Enriched in Brain (RHEB)-mTORC1 Signaling Cascade. <i>Journal of Biological Chemistry</i> , 2014, 289, 29739-29749.	1.6	73
2453	mTOR regulates the nucleoplasmic diffusion of Xrn2 under conditions of heat stress. <i>FEBS Letters</i> , 2014, 588, 3454-3460.	1.3	10

#	ARTICLE	IF	CITATIONS
2454	Met Activation Is Required for Early Cytoprotection after Ischemic Kidney Injury. <i>Journal of the American Society of Nephrology</i> , 2014, 25, 329-337.	3.0	16
2456	Expression of hypoxia-regulated genes and glycometabolic genes in placenta from patients with intrahepatic cholestasis of pregnancy. <i>Placenta</i> , 2014, 35, 732-736.	0.7	22
2457	Proteome Analysis of a Hepatocyte-Specific BIRC5 (Survivin)-Knockout Mouse Model during Liver Regeneration. <i>Journal of Proteome Research</i> , 2014, 13, 2771-2782.	1.8	15
2458	Placental, Lipid, and Glucidic Effects of Mammalian Target of Rapamycin Inhibitors: Impact on Fetal Growth and Metabolic Disorders During Pregnancy After Solid Organ Transplantation. <i>Transplantation Proceedings</i> , 2014, 46, 2254-2258.	0.3	12
2459	Impairment of autophagosome-lysosome fusion contributes to chronic ethanol-induced liver injury. <i>Alcohol</i> , 2014, 48, 717-725.	0.8	32
2460	Characterization of the Raptor/4E-BP1 Interaction by Chemical Cross-linking Coupled with Mass Spectrometry Analysis. <i>Journal of Biological Chemistry</i> , 2014, 289, 4723-4734.	1.6	14
2461	A Domain in the Transcription Activator Gln3 Specifically Required for Rapamycin Responsiveness. <i>Journal of Biological Chemistry</i> , 2014, 289, 18999-19018.	1.6	9
2462	mTOR and autophagy in regulation of acute lung injury: a review and perspective. <i>Microbes and Infection</i> , 2014, 16, 727-734.	1.0	58
2463	Connecting metabolism and reproduction: Roles of central energy sensors and key molecular mediators. <i>Molecular and Cellular Endocrinology</i> , 2014, 397, 4-14.	1.6	105
2464	Introduction to Autophagy. , 2014, , 1-46.		0
2465	Recovery from Rapamycin. <i>Journal of Biological Chemistry</i> , 2014, 289, 26554-26565.	1.6	8
2466	Effect of Inhibiting the Signal of Mammalian Target of Rapamycin on Memory T Cells. <i>Transplantation Proceedings</i> , 2014, 46, 1642-1648.	0.3	13
2467	Translational Control in Synaptic Plasticity and Cognitive Dysfunction. <i>Annual Review of Neuroscience</i> , 2014, 37, 17-38.	5.0	285
2468	Rapamycin and Interleukin-1 β Impair Brain-derived Neurotrophic Factor-dependent Neuron Survival by Modulating Autophagy. <i>Journal of Biological Chemistry</i> , 2014, 289, 20615-20629.	1.6	81
2469	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4361-4371.	2.4	297
2470	Association between the IRS1 and FTO genes regulates body weight in rabbits. <i>Gene</i> , 2014, 548, 75-80.	1.0	6
2471	LL-37 attenuates inflammatory impairment via mTOR signaling-dependent mitochondrial protection. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 26-35.	1.2	8
2472	Regulation of amino acid metabolic enzymes and transporters in plants. <i>Journal of Experimental Botany</i> , 2014, 65, 5535-5556.	2.4	297

#	ARTICLE	IF	CITATIONS
2473	Mammalian target of rapamycin is essential for cardiomyocyte survival and heart development in mice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 53-59.	1.0	29
2474	Differential Analysis of Proteomes and Metabolomes Reveals Additively Balanced Networking for Metabolism in Maize Heterosis. <i>Journal of Proteome Research</i> , 2014, 13, 3987-4001.	1.8	14
2475	Nitrogen control of developmental phase transitions in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 5611-5618.	2.4	108
2476	Hypothalamic mTOR: The Rookie Energy Sensor. <i>Current Molecular Medicine</i> , 2014, 14, 3-21.	0.6	82
2477	Hepatic mTORC1 controls locomotor activity, body temperature, and lipid metabolism through FGF21. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11592-11599.	3.3	134
2478	Bacterial Pathogen Manipulation of Host Membrane Trafficking. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 79-109.	4.0	132
2479	Tsc2 Is a Molecular Checkpoint Controlling Osteoblast Development and Glucose Homeostasis. <i>Molecular and Cellular Biology</i> , 2014, 34, 1850-1862.	1.1	52
2480	P-Glycoprotein, CYP3A, and Plasma Carboxylesterase Determine Brain and Blood Disposition of the mTOR Inhibitor Everolimus (Afinitor) in Mice. <i>Clinical Cancer Research</i> , 2014, 20, 3133-3145.	3.2	29
2481	Cutting Edge: Generation of Effector Cells That Localize to Mucosal Tissues and Form Resident Memory CD8 T Cells Is Controlled by mTOR. <i>Journal of Immunology</i> , 2014, 193, 2067-2071.	0.4	59
2482	TSC1 controls macrophage polarization to prevent inflammatory disease. <i>Nature Communications</i> , 2014, 5, 4696.	5.8	240
2483	Amino acids – A life between metabolism and signaling. <i>Plant Science</i> , 2014, 229, 225-237.	1.7	168
2484	Mutant p53 and MDM2 in Cancer. <i>Sub-Cellular Biochemistry</i> , 2014, , .	1.0	6
2485	Mechanistic perspectives of calorie restriction on vascular homeostasis. <i>Science China Life Sciences</i> , 2014, 57, 742-754.	2.3	11
2486	Targeting the mTOR Signaling Pathway in Neuroendocrine Tumors. <i>Current Treatment Options in Oncology</i> , 2014, 15, 365-379.	1.3	74
2487	The reduced kinome of <i>Ostreococcus tauri</i> : core eukaryotic signalling components in a tractable model species. <i>BMC Genomics</i> , 2014, 15, 640.	1.2	18
2488	How do environmental factors influence life cycles and development? An experimental framework for early-diverging metazoans. <i>BioEssays</i> , 2014, 36, 1185-1194.	1.2	38
2489	Endolysosomal Membrane Trafficking Complexes Drive Nutrient-Dependent TORC1 Signaling to Control Cell Growth in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2014, 196, 1077-1089.	1.2	28
2490	Transmembrane signaling in <i>Saccharomyces cerevisiae</i> as a model for signaling in metazoans: State of the art after 25years. <i>Cellular Signalling</i> , 2014, 26, 2865-2878.	1.7	54

#	ARTICLE	IF	CITATIONS
2491	Impact of patient ethnicity on the metabolic and immunologic effects of PI3K/mTOR pathway inhibition in patients with solid tumor malignancies. <i>Cancer Chemotherapy and Pharmacology</i> , 2014, 74, 359-365.	1.1	8
2492	The PI3K/AKT/mTOR pathway is activated in gastric cancer with potential prognostic and predictive significance. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014, 465, 25-33.	1.4	167
2493	Postprandial molecular responses in the liver of the barramundi, <i>Lates calcarifer</i> . <i>Fish Physiology and Biochemistry</i> , 2014, 40, 427-443.	0.9	31
2494	Rapamycin promotes podocyte autophagy and ameliorates renal injury in diabetic mice. <i>Molecular and Cellular Biochemistry</i> , 2014, 394, 145-154.	1.4	70
2495	Mechanical activation of mammalian target of rapamycin pathway is required for cartilage development. <i>FASEB Journal</i> , 2014, 28, 4470-4481.	0.2	35
2496	Molecularly targeting the PI3K-Akt-mTOR pathway can sensitize cancer cells to radiotherapy and chemotherapy. <i>Cellular and Molecular Biology Letters</i> , 2014, 19, 233-42.	2.7	60
2497	Preterm Nutrition and the Brain. <i>World Review of Nutrition and Dietetics</i> , 2014, 110, 190-200.	0.1	64
2498	Golgi Phosphoprotein 3 Mediates the Golgi Localization and Function of Protein O-Linked Mannose β -1,2-N-Acetylglucosaminyltransferase 1. <i>Journal of Biological Chemistry</i> , 2014, 289, 14762-14770.	1.6	42
2499	The role of mTOR in depression and antidepressant responses. <i>Life Sciences</i> , 2014, 101, 10-14.	2.0	152
2500	Therapeutic targeting of the mTOR signalling pathway in cancer: benefits and limitations. <i>British Journal of Pharmacology</i> , 2014, 171, 3801-3813.	2.7	92
2501	The AMPK Inhibitor Compound C Is a Potent AMPK-Independent Antiglioma Agent. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 596-605.	1.9	229
2502	Is Amyloid- β an Innocent Bystander and Marker in Alzheimer's Disease? Is the Liability of Multivalent Cation Homeostasis and its Influence on Amyloid- β Function the Real Mechanism?. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 69-85.	1.2	12
2503	High expression of Golgi phosphoprotein-3 is associated with poor survival in patients with hepatocellular carcinoma. <i>Tumor Biology</i> , 2014, 35, 8625-8632.	0.8	16
2504	Effects of stimulation of autophagy on the urinary excretion of biomarkers of the oxidative status. <i>Aging Clinical and Experimental Research</i> , 2014, 26, 13-18.	1.4	4
2505	Differential levels of amino acid transporters System L and ASCT2, and the mTOR protein in placenta of preeclampsia and IUGR. <i>BMC Pregnancy and Childbirth</i> , 2014, 14, 181.	0.9	38
2506	The links between AKT and two intracellular proteolytic cascades: Ubiquitination and autophagy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 342-352.	3.3	58
2507	Gene of the month: Interleukin 6 (IL-6). <i>Journal of Clinical Pathology</i> , 2014, 67, 932-937.	1.0	106
2508	mTor Inhibitors. , 2014, , 267-286.		3

#	ARTICLE	IF	CITATIONS
2509	Autophagy: An adaptive metabolic response to stress shaping the antitumor immunity. <i>Biochemical Pharmacology</i> , 2014, 92, 31-42.	2.0	76
2510	Fatty acids are novel nutrient factors to regulate mTORC1 lysosomal localization and apoptosis in podocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1097-1108.	1.8	99
2511	Noninfectious pneumonitis with the use of mTOR inhibitors in breast cancer. <i>Cancer Treatment Reviews</i> , 2014, 40, 320-326.	3.4	21
2512	A phase Ib trial of LY2584702 tosylate, a p70 S6 inhibitor, in combination with erlotinib or everolimus in patients with solid tumours. <i>European Journal of Cancer</i> , 2014, 50, 876-884.	1.3	29
2513	Inhibition of hypoxia-induced proliferation of pulmonary arterial smooth muscle cells by a mTOR siRNA-loaded cyclodextrin nanovector. <i>Biomaterials</i> , 2014, 35, 4401-4416.	5.7	25
2514	The CRB1 and adherens junction complex proteins in retinal development and maintenance. <i>Progress in Retinal and Eye Research</i> , 2014, 40, 35-52.	7.3	75
2515	Managing tuberous sclerosis in the Asia-Pacific region: Refining practice and the role of targeted therapy. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1180-1187.	0.8	6
2516	Crb10 Promotes Lipolysis and Thermogenesis by Phosphorylation-Dependent Feedback Inhibition of mTORC1. <i>Cell Metabolism</i> , 2014, 19, 967-980.	7.2	106
2517	RNA metabolism in the pathogenesis of Parkinson's disease. <i>Brain Research</i> , 2014, 1584, 105-115.	1.1	16
2518	Inhibitory effect of 14,15-EET on endothelial senescence through activation of mTOR complex 2/Akt signaling pathways. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 93-100.	1.2	18
2519	A phase I trial of LY2584702 tosylate, a p70 S6 kinase inhibitor, in patients with advanced solid tumours. <i>European Journal of Cancer</i> , 2014, 50, 867-875.	1.3	48
2520	Effects of level of nutrient intake and age on mammalian target of rapamycin, insulin, and insulin-like growth factor-1 gene network expression in skeletal muscle of young Holstein calves. <i>Journal of Dairy Science</i> , 2014, 97, 383-391.	1.4	14
2521	Mammalian target of rapamycin hyperactivity mediates the detrimental effects of a high sucrose diet on Alzheimer's disease pathology. <i>Neurobiology of Aging</i> , 2014, 35, 1233-1242.	1.5	66
2522	Activation of Akt involves resistance to NF- κ B inhibition and abrogation of both triggers synergistic apoptosis in lung adenocarcinoma cells. <i>Lung Cancer</i> , 2014, 83, 139-145.	0.9	2
2523	mTOR inhibitors and their clinical application in cervical, endometrial and ovarian cancers: A critical review. <i>Gynecologic Oncology</i> , 2014, 133, 375-381.	0.6	97
2524	SAMP8 mice have altered hippocampal gene expression in long term potentiation, phosphatidylinositol signaling, and endocytosis pathways. <i>Neurobiology of Aging</i> , 2014, 35, 159-168.	1.5	22
2525	Regulation of Cancer Metabolism by Oncogenes and Tumor Suppressors. <i>Methods in Enzymology</i> , 2014, 542, 59-80.	0.4	89
2526	Genetic Reduction of Mammalian Target of Rapamycin Ameliorates Alzheimer's Disease-Like Cognitive and Pathological Deficits by Restoring Hippocampal Gene Expression Signature. <i>Journal of Neuroscience</i> , 2014, 34, 7988-7998.	1.7	176

#	ARTICLE	IF	CITATIONS
2527	mTOR controls kidney epithelia in health and disease. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, i9-i18.	0.4	48
2528	Near-chaploidization significantly associates with oncocytic adrenocortical, thyroid, and parathyroid tumors but not with mitochondrial DNA mutations. <i>Genes Chromosomes and Cancer</i> , 2014, 53, 833-844.	1.5	25
2529	Role of methyl group vitamins in hypothalamic development of food intake regulation in Wistar rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 844-844.	0.9	3
2530	Selective Activation of mTORC1 Signaling Recapitulates Microcephaly, Tuberous Sclerosis, and Neurodegenerative Diseases. <i>Cell Reports</i> , 2014, 7, 1626-1639.	2.9	80
2531	Liver Damage, Inflammation, and Enhanced Tumorigenesis after Persistent mTORC1 Inhibition. <i>Cell Metabolism</i> , 2014, 20, 133-144.	7.2	162
2532	Obesity accelerates ovarian follicle development and follicle loss in rats. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 94-103.	1.5	117
2533	4 α ,6-Dihydroxy-4-methoxyisoaurone Inhibits the HIF-1 α Pathway Through Inhibition of Akt/mTOR/p70S6K/4E-BP1 Phosphorylation. <i>Journal of Pharmacological Sciences</i> , 2014, 125, 193-201.	1.1	29
2534	Elucidating the role of DEPTOR in Alzheimer's disease. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1195-1200.	1.8	17
2535	Biological response of cancer cells to radiation treatment. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 24.	1.6	389
2536	Maternal-Fetal Nutrient Transport in Pregnancy Pathologies: The Role of the Placenta. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16153-16185.	1.8	298
2537	The impact of maternal/child nutrition on cognitive development: prevention implications. , 0, , 66-94.		0
2539	Tissue-specific effects of protein malnutrition on insulin signaling pathway and lipid accumulation in growing rats. <i>Endocrine Journal</i> , 2014, 61, 499-512.	0.7	21
2541	Impact of the tumor microenvironment in predicting postoperative hepatic recurrence of pancreatic neuroendocrine tumors. <i>Oncology Reports</i> , 2014, 32, 2753-2759.	1.2	18
2542	Kidney Cancer, Version 2.2014. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2014, 12, 175-182.	2.3	56
2543	Tougu Xiaotong capsule promotes chondrocyte autophagy by regulating the Atg12/LC3 conjugation systems. <i>International Journal of Molecular Medicine</i> , 2014, 34, 545-552.	1.8	11
2544	Use of signaling pathways as therapeutic targets for blood cancer. <i>International Journal of Hematologic Oncology</i> , 2014, 3, 275-288.	0.7	0
2545	Energy restriction and potential energy restriction mimetics. <i>Nutrition Research Reviews</i> , 2015, 28, 100-120.	2.1	41
2546	Mechanistic insights into the role of mTOR signaling in neuronal differentiation. <i>Neurogenesis (Austin, Tex)</i> , 2015, 2, e1058684.	1.5	11

#	ARTICLE	IF	CITATIONS
2548	<i>miR-141-3p</i> Opioid Receptor Attenuates Akt ² Oligomers-Induced Neurotoxicity Through mTOR Signaling. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 8-14.	1.9	37
2549	High expression of Solute Carrier Family 1, member 5 (SLC1A5) is associated with poor prognosis in clear-cell renal cell carcinoma. <i>Scientific Reports</i> , 2015, 5, 16954.	1.6	43
2550	Rhes influences striatal cAMP/PKA-dependent signaling and synaptic plasticity in a gender-sensitive fashion. <i>Scientific Reports</i> , 2015, 5, 10933.	1.6	38
2551	TORC2: a novel target for treating age-associated memory impairment. <i>Scientific Reports</i> , 2015, 5, 15193.	1.6	27
2552	Expression of insulin-like growth factor I receptor as a biomarker for predicting prognosis in biliary tract cancer patients. <i>Molecular and Clinical Oncology</i> , 2015, 3, 464-470.	0.4	7
2554	IL-6 Inhibits Starvation-induced Autophagy via the STAT3/Bcl-2 Signaling Pathway. <i>Scientific Reports</i> , 2015, 5, 15701.	1.6	64
2555	Signalling to eIF4E in cancer. <i>Biochemical Society Transactions</i> , 2015, 43, 763-772.	1.6	177
2556	Increased ubiquitination and reduced plasma membrane trafficking of placental amino acid transporter SNAT-2 in human IUGR. <i>Clinical Science</i> , 2015, 129, 1131-1141.	1.8	71
2558	Cyclic mechanical stretch promotes energy metabolism in osteoblast-like cells through an mTOR signaling-associated mechanism. <i>International Journal of Molecular Medicine</i> , 2015, 36, 947-956.	1.8	13
2559	Cellular and molecular effects of the mTOR inhibitor everolimus. <i>Clinical Science</i> , 2015, 129, 895-914.	1.8	74
2560	Rapamycin-induced autophagy activity promotes bone fracture healing in rats. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 1327-1333.	0.8	23
2561	Corosolic acid enhances 5-fluorouracil-induced apoptosis against SNU-620 human gastric carcinoma cells by inhibition of mammalian target of rapamycin. <i>Molecular Medicine Reports</i> , 2015, 12, 4782-4788.	1.1	15
2562	Gene Expression Changes Associated With the Developmental Plasticity of Sea Urchin Larvae in Response to Food Availability. <i>Biological Bulletin</i> , 2015, 228, 171-180.	0.7	38
2563	Cooperative nutrient accumulation sustains growth of mammalian cells. <i>Scientific Reports</i> , 2015, 5, 17401.	1.6	15
2565	Regulation of mTOR Signaling by Semaphorin 3F-Neuropilin 2 Interactions In Vitro and In Vivo. <i>Scientific Reports</i> , 2015, 5, 11789.	1.6	46
2567	Anti-Inflamm-Aging Effects of Long-Term Caloric Restriction via Overexpression of SIGIRR to Inhibit NF- κ B Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 1257-1270.	1.1	29
2568	GADD34 inhibits activation-induced apoptosis of macrophages through enhancement of autophagy. <i>Scientific Reports</i> , 2015, 5, 8327.	1.6	19
2569	The PI3K/Akt/mTOR pathway in ovarian cancer: therapeutic opportunities and challenges. <i>Chinese Journal of Cancer</i> , 2015, 34, 4-16.	4.9	162

#	ARTICLE	IF	CITATIONS
2570	The mammalian target of rapamycin at the crossroad between cognitive aging and Alzheimer's disease. <i>Npj Aging and Mechanisms of Disease</i> , 2015, 1, 15008.	4.5	58
2571	Select nutrients and their effects on conceptus development in mammals. <i>Animal Nutrition</i> , 2015, 1, 85-95.	2.1	55
2572	Glutamine rapidly induces the expression of key transcription factor genes involved in nitrogen and stress responses in rice roots. <i>BMC Genomics</i> , 2015, 16, 731.	1.2	115
2573	Genome-wide association study dissects genetic architecture underlying longitudinal egg weights in chickens. <i>BMC Genomics</i> , 2015, 16, 746.	1.2	40
2574	Branched-chain amino acids modulate the expression of hepatic fatty acid metabolism-related genes in female broiler chickens. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1171-1181.	1.5	49
2575	Rapamycin impairs endothelial cell function in human internal thoracic arteries. <i>European Journal of Medical Research</i> , 2015, 20, 59.	0.9	20
2576	Suppression of the proliferation of hypoxia-induced retinal pigment epithelial cell by rapamycin through the mTOR/HIF-1 α /VEGF signaling. <i>IUBMB Life</i> , 2015, 67, 446-452.	1.5	21
2577	Early Programming by Protein Intake: The Effect of Protein on Adiposity Development and the Growth and Functionality of Vital Organs. <i>Nutrition and Metabolic Insights</i> , 2015, 8s1, NMI.S29525.	0.8	54
2578	Oscillatory mTOR inhibition and Treg increase in kidney transplantation. <i>Clinical and Experimental Immunology</i> , 2015, 182, 230-240.	1.1	30
2579	The mitochondrial uncoupler DNP triggers brain cell mTOR signaling network reprogramming and CREB pathway up-regulation. <i>Journal of Neurochemistry</i> , 2015, 134, 677-692.	2.1	53
2580	TORC1 Regulates Developmental Responses to Nitrogen Stress via Regulation of the GATA Transcription Factor Gaf1. <i>MBio</i> , 2015, 6, e00959.	1.8	32
2581	Protein kinase FgSch9 serves as a mediator of the target of rapamycin and high osmolarity glycerol pathways and regulates multiple stress responses and secondary metabolism in <i>Saccharomyces cerevisiae</i> . <i>Environmental Microbiology</i> , 2015, 17, 2661-2676.	1.8	58
2582	Pharmacodynamic Monitoring of Mammalian Target of Rapamycin Inhibition by Phosphoflow Cytometric Determination of p70S6 Kinase Activity. <i>Transplantation</i> , 2015, 99, 210-219.	0.5	22
2583	Therapeutic targets of triple-negative breast cancer: a review. <i>British Journal of Pharmacology</i> , 2015, 172, 4228-4237.	2.7	159
2584	System A amino acid transporters regulate glutamine uptake and attenuate antibody-mediated arthritis. <i>Immunology</i> , 2015, 146, 607-617.	2.0	17
2585	The SCL/TAL1 Transcription Factor Represses the Stress Protein DDIT4/REDD1 in Human Hematopoietic Stem/Progenitor Cells. <i>Stem Cells</i> , 2015, 33, 2268-2279.	1.4	26
2586	Cytoplasmic mRNA turnover and ageing. <i>Mechanisms of Ageing and Development</i> , 2015, 152, 32-42.	2.2	29
2587	Piperine metabolically regulates peritoneal resident macrophages to potentiate their functions against bacterial infection. <i>Oncotarget</i> , 2015, 6, 32468-32483.	0.8	36

#	ARTICLE	IF	CITATIONS
2588	Introduction to Autophagy. , 2015, , 1-48.		0
2589	Targeting AMPK for cancer prevention and treatment. Oncotarget, 2015, 6, 7365-7378.	0.8	287
2590	Chemotherapy and target therapy for hepatocellular carcinoma: New advances and challenges. World Journal of Hepatology, 2015, 7, 787.	0.8	140
2591	Targeting the PI3K/Akt signaling pathway in gastric carcinoma: A reality for personalized medicine?. World Journal of Gastroenterology, 2015, 21, 12261.	1.4	146
2592	mTOR Directs Breast Morphogenesis through the PKC-alpha-Rac1 Signaling Axis. PLoS Genetics, 2015, 11, e1005291.	1.5	40
2593	Autophagic Regulation of Retinal Pigment Epithelium Homeostasis. Journal of Pigmentary Disorders, 2015, 2, .	0.2	0
2594	Rejuvenating immunity: "œanti-aging drug today"eight years later. Oncotarget, 2015, 6, 19405-19412.	0.8	28
2595	Fat Body Development and its Function in Energy Storage and Nutrient Sensing in Drosophila melanogaster. Journal of Tissue Science & Engineering, 2015, 06, .	0.2	16
2596	Determination and validation of mTOR kinase-domain 3D structure by homology modeling. OncoTargets and Therapy, 2015, 8, 1923.	1.0	10
2597	GL-V9, a new synthetic flavonoid derivative, ameliorates DSS-induced colitis against oxidative stress by up-regulating Trx-1 expression via activation of AMPK/FOXO3a pathway. Oncotarget, 2015, 6, 26291-26307.	0.8	32
2598	Autophagy in Cell Fate and Diseases. , 2015, , .		2
2599	Association of CRTC2 gene polymorphisms with growth and meat quality traits of Qinchuan cattle. Genetics and Molecular Research, 2015, 14, 12912-12920.	0.3	4
2600	The Biochemistry of Hunger Stimulating Hormone: Why Understanding This Cascade In Hypothalamus Is Beneficial. Biochemistry & Physiology, 2015, 04, .	0.2	0
2601	PI3K pathway in cancer. , 0, , 193-203.		0
2602	CHANGE OF THE MTOR PATHWAY IN TISSUES OF OVERFED GEESE. Brazilian Journal of Poultry Science, 2015, 17, 293-300.	0.3	4
2603	Genetic variations in the mTOR gene contribute toward gastric adenocarcinoma susceptibility in an Eastern Chinese population. Pharmacogenetics and Genomics, 2015, 25, 521-530.	0.7	11
2604	Interactions between Autophagy and Bacterial Toxins: Targets for Therapy?. Toxins, 2015, 7, 2918-2958.	1.5	20
2605	Connecting Myokines and Metabolism. Endocrinology and Metabolism, 2015, 30, 235.	1.3	79

#	ARTICLE	IF	CITATIONS
2606	Regulation of the Target of Rapamycin and Other Phosphatidylinositol 3-Kinase-Related Kinases by Membrane Targeting. <i>Membranes</i> , 2015, 5, 553-575.	1.4	13
2607	Nutritionally-Induced Catch-Up Growth. <i>Nutrients</i> , 2015, 7, 517-551.	1.7	69
2608	The quasi-parallel lives of satellite cells and atrophying muscle. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 140.	1.7	5
2609	Hepatocyte growth factor mimetic protects lateral line hair cells from aminoglycoside exposure. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 3.	1.8	13
2610	Impacts of Maternal Nutrition on Vascularity of Nutrient Transferring Tissues during Gestation and Lactation. <i>Nutrients</i> , 2015, 7, 3497-3523.	1.7	42
2611	Autophagy, a Highly Regulated Intracellular System Essential to Skeletal Muscle Homeostasis – Role in Disease, Exercise and Altitude Exposure. , 0, , .		6
2612	Potential role for mammalian target of rapamycin inhibitors as first-line therapy in hormone receptor–positive advanced breast cancer. <i>OncoTargets and Therapy</i> , 2015, 8, 3629.	1.0	13
2613	Multi-Functional Regulation of 4E-BP Gene Expression by the Ccr4-Not Complex. <i>PLoS ONE</i> , 2015, 10, e0113902.	1.1	6
2614	Drug Synergy Drives Conserved Pathways to Increase Fission Yeast Lifespan. <i>PLoS ONE</i> , 2015, 10, e0121877.	1.1	10
2615	mTORC1 Regulates Flagellin-Induced Inflammatory Response in Macrophages. <i>PLoS ONE</i> , 2015, 10, e0125910.	1.1	29
2616	Health Effects of Long-Term Rapamycin Treatment: The Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. <i>PLoS ONE</i> , 2015, 10, e0126644.	1.1	62
2617	Insulin and mTOR Pathway Regulate HDAC3-Mediated Deacetylation and Activation of PGK1. <i>PLoS Biology</i> , 2015, 13, e1002243.	2.6	72
2618	Annexin A1 Preferentially Predicts Poor Prognosis of Basal-Like Breast Cancer Patients by Activating mTOR-S6 Signaling. <i>PLoS ONE</i> , 2015, 10, e0127678.	1.1	34
2619	TORC1 Inhibition by Rapamycin Promotes Antioxidant Defences in a Drosophila Model of Friedreich’s Ataxia. <i>PLoS ONE</i> , 2015, 10, e0132376.	1.1	51
2620	Comparison of Equivalence between Two Commercially Available S499-Phosphorylated FMRP Antibodies in Mice. <i>PLoS ONE</i> , 2015, 10, e0143134.	1.1	4
2621	Anti-Tumor Activity of Yuanhuacine by Regulating AMPK/mTOR Signaling Pathway and Actin Cytoskeleton Organization in Non-Small Cell Lung Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0144368.	1.1	36
2622	Tor Signaling Regulates Transcription of Amino Acid Permeases through a GATA Transcription Factor Gaf1 in Fission Yeast. <i>PLoS ONE</i> , 2015, 10, e0144677.	1.1	15
2623	Expression profiling and functional analysis reveals that TOR is a key player in regulating photosynthesis and phytohormone signaling pathways in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015, 6, 677.	1.7	178

#	ARTICLE	IF	CITATIONS
2624	TOR-inhibitor insensitive-1 (TRIN1) regulates cotyledons greening in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015, 6, 861.	1.7	67
2625	Inhibition of mTOR Pathway by Rapamycin Reduces Brain Damage in Rats Subjected to Transient Forebrain Ischemia. <i>International Journal of Biological Sciences</i> , 2015, 11, 1424-1435.	2.6	46
2627	Stabilization and Degradation Mechanisms of Cytoplasmic Ataxin-1. <i>Journal of Experimental Neuroscience</i> , 2015, 9s2, JEN.S25469.	2.3	3
2628	mTOR Kinase: A Possible Pharmacological Target in the Management of Chronic Pain. <i>BioMed Research International</i> , 2015, 2015, 1-13.	0.9	54
2629	Effect of Nourishing "Yin" Removing "Fire" Chinese Herbal Mixture on Hypothalamic Mammalian Target of Rapamycin Expression during Onset of Puberty in Female Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	0.5	5
2630	Rapamycin Improves Palmitate-Induced ER Stress/NF- κ B Pathways Associated with Stimulating Autophagy in Adipocytes. <i>Mediators of Inflammation</i> , 2015, 2015, 1-12.	1.4	56
2631	Syncytiotrophoblast Functions and Fetal Growth Restriction during Placental Malaria: Updates and Implication for Future Interventions. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	25
2632	Studies on the Antifatigue Activities of Cordyceps militaris Fruit Body Extract in Mouse Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-15.	0.5	30
2633	SAM68: Signal Transduction and RNA Metabolism in Human Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-14.	0.9	80
2634	Activity of BKM120 and BEZ235 against Lymphoma Cells. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	13
2636	Metformin combined with aspirin significantly inhibit pancreatic cancer cell growth <i>in vitro</i> and <i>in vivo</i> by suppressing anti-apoptotic proteins Mcl-1 and Bcl-2. <i>Oncotarget</i> , 2015, 6, 21208-21224.	0.8	87
2637	Target of Rapamycin Complex 2 Regulates Actin Polarization and Endocytosis via Multiple Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 14963-14978.	1.6	72
2638	A standardized randomized 6-month aerobic exercise-training down-regulated pro-inflammatory genes, but up-regulated anti-inflammatory, neuron survival and axon growth-related genes. <i>Experimental Gerontology</i> , 2015, 69, 159-169.	1.2	18
2639	Early life nutrition and neural plasticity. <i>Development and Psychopathology</i> , 2015, 27, 411-423.	1.4	130
2640	Rapid molecular evolution across amniotes of the IIS/TOR network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7055-7060.	3.3	59
2641	MikronÄhrstoffe als Motor der Evolution. , 2015, , .		6
2642	Mammalian target of rapamycin and tuberous sclerosis complex. <i>Journal of Dermatological Science</i> , 2015, 79, 93-100.	1.0	40
2643	The beneficial role of curcumin on inflammation, diabetes and neurodegenerative disease: A recent update. <i>Food and Chemical Toxicology</i> , 2015, 83, 111-124.	1.8	388

#	ARTICLE	IF	CITATIONS
2644	Caloric Restriction Promotes the Reserve of Follicle Pool in Adult Female Rats by Inhibiting the Activation of Mammalian Target of Rapamycin Signaling. <i>Reproductive Sciences</i> , 2015, 22, 60-67.	1.1	37
2645	Target of Rapamycin Complex 2 regulates cell growth via Myc in <i>Drosophila</i> . <i>Scientific Reports</i> , 2015, 5, 10339.	1.6	19
2646	mTOR is involved in 17 β -estradiol-induced, cultured immature boar Sertoli cell proliferation via regulating the expression of <i>SKP2</i> , <i>CCND1</i> , and <i>CCNE1</i> . <i>Molecular Reproduction and Development</i> , 2015, 82, 305-314.	1.0	16
2647	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
2648	Angiotensin II blockade: how its molecular targets may signal to mitochondria and slow aging. Coincidences with calorie restriction and mTOR inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H15-H44.	1.5	49
2649	The I-BAR protein Iy1 is an effector of the Rab7 GTPase Ypt7 involved in vacuole membrane homeostasis. <i>Journal of Cell Science</i> , 2015, 128, 2278-2292.	1.2	40
2650	Inhibition of mTORC2 Induces Cell-Cycle Arrest and Enhances the Cytotoxicity of Doxorubicin by Suppressing MDR1 Expression in HCC Cells. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1805-1815.	1.9	36
2651	Introduction to Autophagy. , 2015, , 1-51.		0
2652	Molecular communication: crosstalk between the Snf1 and other signaling pathways. <i>FEMS Yeast Research</i> , 2015, 15, fov026.	1.1	59
2653	mTOR inhibition with temsirolimus causes acute increases in glomerular permeability, but inhibits the dynamic permeability actions of puromycin aminonucleoside. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1056-F1064.	1.3	5
2655	Stress Responses from the Endoplasmic Reticulum in Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 93.	1.3	78
2656	Hypoxia reduces placental mTOR activation in a hypoxia-induced model of intrauterine growth restriction (IUGR). <i>Physiological Reports</i> , 2015, 3, e12651.	0.7	22
2657	Cell cycle status dictates effectiveness of rapamycin. <i>Cell Cycle</i> , 2015, 14, 2556-2557.	1.3	3
2658	STAT5-regulated microRNA-193b controls haematopoietic stem and progenitor cell expansion by modulating cytokine receptor signalling. <i>Nature Communications</i> , 2015, 6, 8928.	5.8	47
2659	Autophagy in cerebral ischemia and the effects of traditional Chinese medicine. <i>Journal of Integrative Medicine</i> , 2015, 13, 289-296.	1.4	30
2660	TOR signalling in plants. <i>Biochemical Journal</i> , 2015, 470, 1-14.	1.7	95
2661	What is the best strategy in treating catastrophic antiphospholipid syndrome?. <i>International Journal of Clinical Rheumatology</i> , 2015, 10, 245-255.	0.3	3
2662	Links between mTOR and the immunoproteasome: Therapeutic targets for cardiac hypertrophy?. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 113-115.	0.9	3

#	ARTICLE	IF	CITATIONS
2663	Cellular metabolism and lysosomal mTOR signaling. <i>Cell Death in Therapy</i> , 2015, 1, .	0.3	7
2664	mTOR Pathway – Novel Modulator of Astrocyte Activity. <i>Folia Biologica</i> , 2015, 63, 95-105.	0.1	16
2665	Oligomer procyanidins (F2) isolated from grape seeds inhibits tumor angiogenesis and cell invasion by targeting HIF-1 α in vitro. <i>International Journal of Oncology</i> , 2015, 46, 708-720.	1.4	22
2666	Neuroendocrine and Molecular Mechanisms for the Metabolic Control of Puberty: Recent Developments. <i>Research and Perspectives in Endocrine Interactions</i> , 2015, , 121-135.	0.2	0
2667	An mTOR kinase inhibitor slows disease progression in a rat model of polycystic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 45-53.	0.4	37
2668	TORC1 Inhibition Induces Lipid Droplet Replenishment in Yeast. <i>Molecular and Cellular Biology</i> , 2015, 35, 737-746.	1.1	61
2669	Pharmacologic co-inhibition of Mnk1 and mTORC1 synergistically suppresses proliferation and perturbs cell cycle progression in blast crisis-chronic myeloid leukemia cells. <i>Cancer Letters</i> , 2015, 357, 612-623.	3.2	40
2670	L-Leucine and NO-mediated cardiovascular function. <i>Amino Acids</i> , 2015, 47, 435-447.	1.2	36
2671	mTOR signaling in cellular and organismal energetics. <i>Current Opinion in Cell Biology</i> , 2015, 33, 55-66.	2.6	240
2672	Effects of dietary size-fractionated fish hydrolysates on growth, activities of digestive enzymes and aminotransferases and expression of some protein metabolism related genes in large yellow croaker (<i>Larimichthys crocea</i>) larvae. <i>Aquaculture</i> , 2015, 440, 40-47.	1.7	57
2673	Baicalein upregulates DDIT4 expression which mediates mTOR inhibition and growth inhibition in cancer cells. <i>Cancer Letters</i> , 2015, 358, 170-179.	3.2	68
2674	Biochemistry of Beer Fermentation. <i>SpringerBriefs in Biochemistry and Molecular Biology</i> , 2015, , .	0.3	23
2675	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
2676	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
2677	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , 2015, 518, 197-206.	13.7	3,823
2678	mTOR Signaling in T Cell Immunity and Autoimmunity. <i>International Reviews of Immunology</i> , 2015, 34, 50-66.	1.5	66
2679	Melatonin potentiates cisplatin-induced apoptosis and cell cycle arrest in human lung adenocarcinoma cells. <i>Cell Proliferation</i> , 2015, 48, 67-77.	2.4	86
2680	A new hypothesis of aging. <i>Medical Hypotheses</i> , 2015, 84, 252-257.	0.8	3

#	ARTICLE	IF	CITATIONS
2681	Mechanisms of expression and translocation of major fission yeast glucose transporters regulated by CaMKK/phosphatases, nuclear shuttling, and TOR. <i>Molecular Biology of the Cell</i> , 2015, 26, 373-386.	0.9	57
2682	Prenatal Exposure to Hypoxia Induced Beclin 1 Signaling-Mediated Renal Autophagy and Altered Renal Development in Rat Fetuses. <i>Reproductive Sciences</i> , 2015, 22, 156-164.	1.1	31
2683	Sleep Deprivation and Gene Expression. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 25, 65-90.	0.8	32
2684	Raptor ablation in skeletal muscle decreases Cav1.1 expression and affects the function of the excitation-contraction coupling supramolecular complex. <i>Biochemical Journal</i> , 2015, 466, 123-135.	1.7	10
2685	Nitrogen Regulates AMPK to Control TORC1 Signaling. <i>Current Biology</i> , 2015, 25, 445-454.	1.8	74
2686	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
2687	PI3K/Akt/mTOR signaling in medullary thyroid cancer: a promising molecular target for cancer therapy. <i>Endocrine</i> , 2015, 48, 363-370.	1.1	94
2688	Integration of transcriptomics and metabolomics data specifies the metabolic response of <i>Chlamydomonas</i> to rapamycin treatment. <i>Plant Journal</i> , 2015, 81, 822-835.	2.8	80
2689	Combined regulation of mTORC1 and lysosomal acidification by GSK-3 suppresses autophagy and contributes to cancer cell growth. <i>Oncogene</i> , 2015, 34, 4613-4623.	2.6	81
2690	Standardized rosemary (<i>Rosmarinus officinalis</i>) extract induces Nrf2/sestrin-2 pathway in colon cancer cells. <i>Journal of Functional Foods</i> , 2015, 13, 137-147.	1.6	33
2691	PKD1 is downregulated in non-small cell lung cancer and mediates the feedback inhibition of mTORC1-S6K1 axis in response to phorbol ester. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 60, 34-42.	1.2	13
2692	Grape seed extract targets mitochondrial electron transport chain complex III and induces oxidative and metabolic stress leading to cytoprotective autophagy and apoptotic death in human head and neck cancer cells. <i>Molecular Carcinogenesis</i> , 2015, 54, 1734-1747.	1.3	17
2693	Targeting T cell metabolism for therapy. <i>Trends in Immunology</i> , 2015, 36, 71-80.	2.9	204
2694	Cell Growth. , 2015, , 179-190.e1.		4
2695	Rictor/mTORC2 Pathway in Oocytes Regulates Folliculogenesis, and Its Inactivation Causes Premature Ovarian Failure. <i>Journal of Biological Chemistry</i> , 2015, 290, 6387-6396.	1.6	58
2696	Fission yeast Ryh1 GTPase activates TOR Complex 2 in response to glucose. <i>Cell Cycle</i> , 2015, 14, 848-856.	1.3	41
2697	Key mediators of intracellular amino acids signaling to mTORC1 activation. <i>Amino Acids</i> , 2015, 47, 857-867.	1.2	35
2698	A lentiviral sponge for miRNA-21 diminishes aerobic glycolysis in bladder cancer T24 cells via the PTEN/PI3K/AKT/mTOR axis. <i>Tumor Biology</i> , 2015, 36, 383-391.	0.8	97

#	ARTICLE	IF	CITATIONS
2699	Glucose deprivation promotes activation of mTOR signaling pathway and protein synthesis in rat skeletal muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1357-1366.	1.3	7
2700	Chemical genomics approach to identify genes associated with sensitivity to rapamycin in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Genes To Cells</i> , 2015, 20, 292-309.	0.5	17
2701	mTOR: A Potential Therapeutic Target in Osteoarthritis?. <i>Drugs in R and D</i> , 2015, 15, 27-36.	1.1	62
2702	Pharmacological inhibition of Polo-like kinase 1 (PLK1) by BI-2536 decreases the viability and survival of hamartin and tuberlin deficient cells via induction of apoptosis and attenuation of autophagy. <i>Cell Cycle</i> , 2015, 14, 399-407.	1.3	28
2703	Phosphatidylinositol-3,4,5-Triphosphate and Cellular Signaling: Implications for Obesity and Diabetes. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 1253-1275.	1.1	60
2704	Effects of metformin on fertilisation of bovine oocytes and early embryo development: possible involvement of AMPK3-mediated TSC2 activation. <i>Zygote</i> , 2015, 23, 58-67.	0.5	9
2705	DNA Synthesis during Endomitosis Is Stimulated by Insulin via the PI3K/Akt and TOR Signaling Pathways in the Silk Gland Cells of <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 6266-6280.	1.8	12
2706	A Periodic Diet that Mimics Fasting Promotes Multi-System Regeneration, Enhanced Cognitive Performance, and Healthspan. <i>Cell Metabolism</i> , 2015, 22, 86-99.	7.2	635
2707	Alpha-Linolenic Acid-Induced Increase in Neurogenesis is a Key Factor in the Improvement in the Passive Avoidance Task After Soman Exposure. <i>NeuroMolecular Medicine</i> , 2015, 17, 251-269.	1.8	14
2708	Biomarker Signatures Correlate with Clinical Outcome in Refractory Metastatic Colorectal Cancer Patients Receiving Bevacizumab and Everolimus. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1048-1056.	1.9	22
2709	Cell Signaling During Mammalian Early Embryo Development. <i>Advances in Experimental Medicine and Biology</i> , 2015, , .	0.8	9
2710	Lipoxin A4 methyl ester alleviates vascular cognition impairment by regulating the expression of proteins related to autophagy and ER stress in the rat hippocampus. <i>Cellular and Molecular Biology Letters</i> , 2015, 20, 475-87.	2.7	33
2711	A Phyletic Perspective on Cell Growth. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a019158.	2.3	14
2712	Expression of human GLUD1 and GLUD2 glutamate dehydrogenases in steroid producing tissues. <i>Molecular and Cellular Endocrinology</i> , 2015, 415, 1-11.	1.6	19
2713	Management and prevention of post-transplant malignancies in kidney transplant recipients: Table 1.. CKJ: <i>Clinical Kidney Journal</i> , 2015, 8, 637-644.	1.4	50
2714	mTORC1 signaling in <i>AgRP</i> neurons mediates circadian expression of <i>AgRP</i> and NPY but is dispensable for regulation of feeding behavior. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 480-486.	1.0	18
2715	Berberine alleviates cardiac ischemia/reperfusion injury by inhibiting excessive autophagy in cardiomyocytes. <i>European Journal of Pharmacology</i> , 2015, 762, 1-10.	1.7	136
2716	Cranberry anthocyanin extract prolongs lifespan of fruit flies. <i>Experimental Gerontology</i> , 2015, 69, 189-195.	1.2	47

#	ARTICLE	IF	CITATIONS
2717	Role of Autophagy in Cancer Therapy. , 2015, , 91-103.		0
2718	Genetics and Pharmacology of Longevity. <i>Advances in Genetics</i> , 2015, 90, 1-101.	0.8	35
2719	MikronÄhrstoffe und Gehirn. , 2015, , 189-219.		0
2720	Selective cancer-killing ability of metal-based nanoparticles: implications for cancer therapy. <i>Archives of Toxicology</i> , 2015, 89, 1895-1907.	1.9	45
2721	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
2722	Dual inhibition of mTOR pathway and VEGF signalling in neuroendocrine neoplasms: From bench to bedside. <i>Cancer Treatment Reviews</i> , 2015, 41, 754-760.	3.4	19
2723	Impaired wound healing results from the dysfunction of the Akt/mTOR pathway in diabetic rats. <i>Journal of Dermatological Science</i> , 2015, 79, 241-251.	1.0	53
2724	The Role of mTOR Inhibitors and PI3K Pathway Blockade in Renal Cell Cancer. , 2015, , 295-314.		0
2725	Activation of the TOR Signalling Pathway by Glutamine Regulates Insect Fecundity. <i>Scientific Reports</i> , 2015, 5, 10694.	1.6	51
2726	Potential Targets for Antifungal Drug Discovery Based on Growth and Virulence in <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5885-5891.	1.4	43
2727	Rapamycin Impairs Antitumor CD8+ T-cell Responses and Vaccine-Induced Tumor Eradication. <i>Cancer Research</i> , 2015, 75, 3279-3291.	0.4	47
2728	Gossypol sensitizes the antitumor activity of 5-FU through down-regulation of thymidylate synthase in human colon carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 575-586.	1.1	24
2729	An explanation of the pathophysiology of adverse neurodevelopmental outcomes in iron deficiency. <i>Reviews in the Neurosciences</i> , 2015, 26, 479-488.	1.4	23
2730	Pheochromocytoma: Gasping for Air. <i>Hormones and Cancer</i> , 2015, 6, 191-205.	4.9	26
2731	Metabolic alterations in renal cell carcinoma. <i>Cancer Treatment Reviews</i> , 2015, 41, 767-776.	3.4	71
2732	Differential Phosphorylation of a Regulatory Subunit of Protein Kinase CK2 by Target of Rapamycin Complex 1 Signaling and the Cdc-like Kinase Kns1. <i>Journal of Biological Chemistry</i> , 2015, 290, 7221-7233.	1.6	29
2734	Metformin inhibits the proliferation, metastasis, and cancer stem-like sphere formation in osteosarcoma MG63 cells in vitro. <i>Tumor Biology</i> , 2015, 36, 9873-9883.	0.8	44
2735	Dihydroartemisinin Inhibits Glucose Uptake and Cooperates with Glycolysis Inhibitor to Induce Apoptosis in Non-Small Cell Lung Carcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0120426.	1.1	52

#	ARTICLE	IF	CITATIONS
2736	Drugs That Inhibit Signaling Pathways for Tumor Cell Growth and Proliferation. , 2015, , 391-491.		5
2737	Senescence in Oncogenesis: From Molecular Mechanisms to Therapeutic Opportunities. , 2015, , 127-155.		0
2738	The role of leptin in the sporadic form of Alzheimer's disease. Interactions with the adipokines amylin, ghrelin and the pituitary hormone prolactin. Life Sciences, 2015, 140, 19-28.	2.0	34
2739	Effects of the mTOR inhibitor everolimus and the PI3K/mTOR inhibitor NVP-BEZ235 in murine acute lung injury models. Transplant Immunology, 2015, 33, 45-50.	0.6	11
2740	Mio depletion links mTOR regulation to Aurora A and Plk1 activation at mitotic centrosomes. Journal of Cell Biology, 2015, 210, 45-62.	2.3	22
2741	Disruptive chemicals, senescence and immortality. Carcinogenesis, 2015, 36, S19-S37.	1.3	32
2743	Essential amino acid infusions stimulate mammary expression of eukaryotic initiation factor 2B β but milk protein yield is not increased during an imbalance. Journal of Dairy Science, 2015, 98, 4499-4508.	1.4	39
2744	Mechanisms Regulating Neuromuscular Junction Development and Function and Causes of Muscle Wasting. Physiological Reviews, 2015, 95, 809-852.	13.1	287
2745	Autophagy in Thyroid Cancer: Present Knowledge and Future Perspectives. Frontiers in Endocrinology, 2015, 6, 22.	1.5	28
2746	Substrate recognition and function of the R2TP complex in response to cellular stress. Frontiers in Genetics, 2015, 6, 69.	1.1	31
2747	Inhibition of mammalian target of rapamycin protects against reperfusion injury in diabetic heart through STAT3 signaling. Basic Research in Cardiology, 2015, 110, 31.	2.5	50
2748	PEComas of the kidney and of the genitourinary tract. Seminars in Diagnostic Pathology, 2015, 32, 140-159.	1.0	56
2749	Introduction to Autophagy. , 2015, , 1-53.		0
2750	<i>In vivo</i> Toll-like receptor 5 (TLR5) imaging with radiolabeled anti-TLR5 monoclonal antibody in rapamycin-treated mouse allogeneic skin transplantation model. Transplant Infectious Disease, 2015, 17, 80-88.	0.7	1
2751	Toxicity evaluation of convection-enhanced delivery of small-molecule kinase inhibitors in naïve mouse brainstem. Child's Nervous System, 2015, 31, 557-562.	0.6	13
2752	In vitro activity of the mTOR inhibitor everolimus, in a large panel of breast cancer cell lines and analysis for predictors of response. Breast Cancer Research and Treatment, 2015, 149, 669-680.	1.1	46
2753	Utilization of paramagnetic relaxation enhancements for high-resolution NMR structure determination of a soluble loop-rich protein with sparse NOE distance restraints. Journal of Biomolecular NMR, 2015, 61, 55-64.	1.6	16
2754	Everolimus-based combination for the treatment of advanced gastroenteropancreatic neuroendocrine neoplasms (GEP-NENs): biological rationale and critical review of published data. Tumor Biology, 2015, 36, 467-478.	0.8	14

#	ARTICLE	IF	CITATIONS
2755	Induction of tissue- and stressor-specific kinomic responses in chickens exposed to hot and cold stresses. <i>Poultry Science</i> , 2015, 94, 1333-1345.	1.5	24
2756	A single nucleotide polymorphism in the <i>MTOR</i> gene is associated with recurrent spontaneous abortion in the Chinese female population. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 205-210.	1.0	8
2757	Rhes regulates dopamine D2 receptor transmission in striatal cholinergic interneurons. <i>Neurobiology of Disease</i> , 2015, 78, 146-161.	2.1	25
2759	Amino Acids and Conceptus Development During the Peri-Implantation Period of Pregnancy. <i>Advances in Experimental Medicine and Biology</i> , 2015, 843, 23-52.	0.8	63
2760	Radiation Therapy for Glioma Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2015, 853, 85-110.	0.8	14
2761	Physiological Mechanisms for the Metabolic Control of Reproduction. , 2015, , 1605-1636.		8
2762	On the mechanism underlying ethanol-induced mitochondrial dynamic disruption and autophagy response. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1400-1409.	1.8	59
2763	mTOR signaling in aging and neurodegeneration: At the crossroad between metabolism dysfunction and impairment of autophagy. <i>Neurobiology of Disease</i> , 2015, 84, 39-49.	2.1	261
2764	Mitophagy and mitochondrial dynamics in <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2766-2774.	1.9	33
2765	Nutrient-Sensing Mechanisms across Evolution. <i>Cell</i> , 2015, 161, 67-83.	13.5	293
2766	Imbalanced Mechanistic Target of Rapamycin C1 and C2 Activity in the Cerebellum of Angelman Syndrome Mice Impairs Motor Function. <i>Journal of Neuroscience</i> , 2015, 35, 4706-4718.	1.7	62
2767	Two insulin receptors determine alternative wing morphs in planthoppers. <i>Nature</i> , 2015, 519, 464-467.	13.7	367
2768	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
2769	Repertoires of Autophagy in the Pathogenesis of Ocular Diseases. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 1663-1676.	1.1	11,181
2770	The effect of photoinitiators on intracellular AKT signaling pathway in tissue engineering application. <i>Biomaterials Science</i> , 2015, 3, 250-255.	2.6	46
2771	mTOR-Dependent Suppression of Remnant Liver Regeneration in Liver Failure After Massive Liver Resection in Rats. <i>Digestive Diseases and Sciences</i> , 2015, 60, 2718-2729.	1.1	14
2773	Effect of Metformin, Rapamycin, and Their Combination on Growth and Progression of Prostate Tumors in HiMyc Mice. <i>Cancer Prevention Research</i> , 2015, 8, 597-606.	0.7	36
2774	IGFBP-1 hyperphosphorylation in response to leucine deprivation is mediated by the AAR pathway. <i>Molecular and Cellular Endocrinology</i> , 2015, 412, 182-195.	1.6	12

#	ARTICLE	IF	CITATIONS
2775	Impact of Previous Somatostatin Analogue Use on the Activity of Everolimus in Patients with Advanced Neuroendocrine Tumors: Analysis from the Phase III RADIANT-2 Trial. <i>Neuroendocrinology</i> , 2015, 102, 18-25.	1.2	32
2776	Direct Evidence of Target Inhibition with Anti-VEGF, EGFR, and mTOR Therapies in a Clinical Model of Wound Healing. <i>Clinical Cancer Research</i> , 2015, 21, 3442-3452.	3.2	5
2777	New development of inhibitors targeting the PI3K/AKT/mTOR pathway in personalized treatment of non-small-cell lung cancer. <i>Anti-Cancer Drugs</i> , 2015, 26, 1-14.	0.7	43
2778	Inhibidores de la vía mTOR y de receptores tirosina cinasas en el tratamiento de los tumores neuroendocrinos. , 2015, , 241-249.		0
2779	Update on the role of autophagy in systemic lupus erythematosus: A novel therapeutic target. <i>Biomedicine and Pharmacotherapy</i> , 2015, 71, 190-193.	2.5	20
2780	The antileukemia roles of PP242 alone or in combination with daunorubicin in acute leukemia. <i>Anti-Cancer Drugs</i> , 2015, 26, 410-421.	0.7	4
2781	Hippocampal Endosomal, Lysosomal, and Autophagic Dysregulation in Mild Cognitive Impairment. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 345-358.	0.9	48
2782	Everolimus Plus Exemestane for the Treatment of Advanced Breast Cancer: A Review of Subanalyses from BOLERO-2. <i>Neoplasia</i> , 2015, 17, 279-288.	2.3	56
2783	Neurohormetic phytochemicals: An evolutionary bioenergetic perspective. <i>Neurochemistry International</i> , 2015, 89, 271-280.	1.9	58
2784	Metformin and breast cancer: Basic knowledge in clinical context. <i>Cancer Treatment Reviews</i> , 2015, 41, 441-447.	3.4	13
2785	Biomolecular bases of the senescence process and cancer. A new approach to oncological treatment linked to ageing. <i>Ageing Research Reviews</i> , 2015, 23, 125-138.	5.0	20
2786	mTORC2 Deficiency in Myeloid Dendritic Cells Enhances Their Allogeneic Th1 and Th17 Stimulatory Ability after TLR4 Ligation In Vitro and In Vivo. <i>Journal of Immunology</i> , 2015, 194, 4767-4776.	0.4	38
2787	Dietary arginine requirement for gibel carp (<i>Carassis auratus gibelio</i> var. CAS III) reduces with fish size from 50g to 150g associated with modulation of genes involved in TOR signaling pathway. <i>Aquaculture</i> , 2015, 449, 37-47.	1.7	60
2788	MicroRNAs as the fine-tuners of Src oncogenic signalling. <i>Journal of Biochemistry</i> , 2015, 157, 431-438.	0.9	20
2789	mTOR plays an important role in cow's milk allergy-associated behavioral and immunological deficits. <i>Neuropharmacology</i> , 2015, 97, 220-232.	2.0	15
2790	Starvation-Dependent Regulation of Golgi Quality Control Links the TOR Signaling and Vacuolar Protein Sorting Pathways. <i>Cell Reports</i> , 2015, 12, 1876-1886.	2.9	46
2791	Glucocorticoids inhibited hypothalamic target of rapamycin in high fat diet-fed chicks. <i>Poultry Science</i> , 2015, 94, 2221-2227.	1.5	20
2792	Molecular effects of the phosphatidylinositol-3-kinase inhibitor NVP-BKM120 on T and B-cell acute lymphoblastic leukaemia. <i>European Journal of Cancer</i> , 2015, 51, 2076-2085.	1.3	21

#	ARTICLE	IF	CITATIONS
2793	Stunted by Developing in Hypoxia: Linking Comparative and Model Organism Studies. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 455-470.	0.6	25
2794	Mammalian Target of Rapamycin (mTOR) Tagging Promotes Dendritic Branch Variability through the Capture of Ca ²⁺ /Calmodulin-dependent Protein Kinase II β (CaMKII β) mRNAs by the RNA-binding Protein HuD. <i>Journal of Biological Chemistry</i> , 2015, 290, 16357-16371.	1.6	49
2795	Defining the Domain Arrangement of the Mammalian Target of Rapamycin Complex Component Rictor Protein. <i>Journal of Computational Biology</i> , 2015, 22, 876-886.	0.8	17
2796	Myeloid Cell-Restricted Insulin/IGF-1 Receptor Deficiency Protects against Skin Inflammation. <i>Journal of Immunology</i> , 2015, 195, 5296-5308.	0.4	20
2797	mTORC1 and mTORC2 have largely distinct functions in Purkinje cells. <i>European Journal of Neuroscience</i> , 2015, 42, 2595-2612.	1.2	36
2798	Drosophila lipin interacts with insulin and TOR signaling pathways in the control of growth and lipid metabolism. <i>Journal of Cell Science</i> , 2015, 128, 4395-406.	1.2	30
2799	Reliability of ROS and RNS detection in hematopoietic stem cells - potential issues with probes and target cell population. <i>Journal of Cell Science</i> , 2015, 128, 3849-3860.	1.2	16
2800	Post-transplantation malignancies: here today, gone tomorrow?. <i>Nature Reviews Clinical Oncology</i> , 2015, 12, 705-717.	12.5	53
2801	Sustained Arginase 1 Expression Modulates Pathological Tau Deposits in a Mouse Model of Tauopathy. <i>Journal of Neuroscience</i> , 2015, 35, 14842-14860.	1.7	37
2802	HDAC5-mTORC1 Interaction in Differential Regulation of Ghrelin and Nucleobindin 2 (NUCB2)/Nesfatin-1. <i>Molecular Endocrinology</i> , 2015, 29, 1571-1580.	3.7	15
2803	Gaining Insights into Diabetic Cardiomyopathy from Drosophila. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 618-627.	3.1	35
2804	Targeted therapy and promising novel agents for the treatment of advanced soft tissue sarcomas. <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 1409-1418.	1.9	4
2805	Catalytic mammalian target of rapamycin inhibitors as antineoplastic agents. <i>Leukemia and Lymphoma</i> , 2015, 56, 2518-2523.	0.6	1
2806	The Systemic Control of Growth. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a019117.	2.3	111
2807	Mutations in the Arabidopsis Lst8 and Raptor genes encoding partners of the TOR complex, or inhibition of TOR activity decrease abscisic acid (ABA) synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 992-997.	1.0	49
2808	Metabolic reprogramming: the emerging concept and associated therapeutic strategies. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 111.	3.5	449
2809	RAC3 more than a nuclear receptor coactivator: a key inhibitor of senescence that is downregulated in aging. <i>Cell Death and Disease</i> , 2015, 6, e1902-e1902.	2.7	14
2810	Estrogen upregulates inflammatory signals through NF- κ B, IFN- β , and nitric oxide via Akt/mTOR pathway in the lymph node lymphocytes of middle-aged female rats. <i>International Immunopharmacology</i> , 2015, 29, 591-598.	1.7	27

#	ARTICLE	IF	CITATIONS
2811	Deletion of Rictor in Brain and Fat Alters Peripheral Clock Gene Expression and Increases Blood Pressure. <i>Hypertension</i> , 2015, 66, 332-339.	1.3	10
2812	Nutrigerontology: why we need a new scientific discipline to develop diets and guidelines to reduce the risk of aging-related diseases. <i>Aging Cell</i> , 2015, 14, 17-24.	3.0	41
2813	mTORC2 Regulates Cardiac Response to Stress by Inhibiting MST1. <i>Cell Reports</i> , 2015, 11, 125-136.	2.9	110
2814	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
2815	Targeting PI3K/Akt/mTOR signaling pathway in the treatment of prostate cancer radioresistance. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 507-517.	2.0	154
2816	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
2817	Mammalian target of rapamycin complex 1 (mTORC1) is required for mouse spermatogonial differentiation in vivo. <i>Developmental Biology</i> , 2015, 407, 90-102.	0.9	76
2818	A hepatic amino acid/mTOR/S6K-dependent signalling pathway modulates systemic lipid metabolism via neuronal signals. <i>Nature Communications</i> , 2015, 6, 7940.	5.8	52
2819	MYC and metabolism on the path to cancer. <i>Seminars in Cell and Developmental Biology</i> , 2015, 43, 11-21.	2.3	253
2820	Nutritional control of insect reproduction. <i>Current Opinion in Insect Science</i> , 2015, 11, 31-38.	2.2	104
2821	Sestrin2 facilitates death receptor-induced apoptosis in lung adenocarcinoma cells through regulation of XIAP degradation. <i>Cell Cycle</i> , 2015, 14, 3231-3241.	1.3	35
2822	Inhibition of mTOR activity in diabetes mellitus reduces proteinuria but not renal accumulation of hyaluronan. <i>Uppsala Journal of Medical Sciences</i> , 2015, 120, 233-240.	0.4	7
2823	Annexin A2 Regulates Autophagy in <i>Pseudomonas aeruginosa</i> Infection through the Akt-mTOR-ULK1/2 Signaling Pathway. <i>Journal of Immunology</i> , 2015, 195, 3901-3911.	0.4	87
2824	Target of rapamycin (TOR) plays a critical role in triacylglycerol accumulation in microalgae. <i>Plant Molecular Biology</i> , 2015, 89, 309-318.	2.0	73
2825	PI3K/Akt/mTOR: A promising therapeutic target for non-medullary thyroid carcinoma. <i>Cancer Treatment Reviews</i> , 2015, 41, 707-713.	3.4	95
2826	Rapamycin restores p14, p15 and p57 expression and inhibits the mTOR/p70S6K pathway in acute lymphoblastic leukemia cells. <i>International Journal of Hematology</i> , 2015, 102, 558-568.	0.7	12
2827	Interaction of polyamines and mTOR signaling in the synthesis of antizyme (AZ). <i>Cellular Signalling</i> , 2015, 27, 1850-1859.	1.7	15
2828	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

#	ARTICLE	IF	CITATIONS
2829	A-Raf: A new star of the family of raf kinases. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2015, 50, 520-531.	2.3	31
2830	Berberine regulates AMP-activated protein kinase signaling pathways and inhibits colon tumorigenesis in mice. <i>Molecular Carcinogenesis</i> , 2015, 54, 1096-1109.	1.3	90
2831	The role of miR-200a in mammalian epithelial cell transformation. <i>Carcinogenesis</i> , 2015, 36, 2-12.	1.3	24
2832	LNK (SH2B3): paradoxical effects in ovarian cancer. <i>Oncogene</i> , 2015, 34, 1463-1474.	2.6	21
2833	Adenosine Monophosphate-Activated Kinase and Its Key Role in Catabolism: Structure, Regulation, Biological Activity, and Pharmacological Activation. <i>Molecular Pharmacology</i> , 2015, 87, 363-377.	1.0	74
2834	Influence of Rictor and Raptor Expression of mTOR Signaling on Long-Term Outcomes of Patients with Hepatocellular Carcinoma. <i>Digestive Diseases and Sciences</i> , 2015, 60, 919-928.	1.1	28
2835	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
2836	Iron administration prevents BDNF decrease and depressive-like behavior following chronic stress. <i>Brain Research</i> , 2015, 1596, 79-87.	1.1	25
2837	Stressor-induced proteome alterations in zebrafish: A meta-analysis of response patterns. <i>Aquatic Toxicology</i> , 2015, 159, 1-12.	1.9	25
2838	Translational studies within the TAMRAD randomized GINECO trial: evidence for mTORC1 activation marker as a predictive factor for everolimus efficacy in advanced breast cancer. <i>Annals of Oncology</i> , 2015, 26, 120-125.	0.6	75
2840	Global quantitative proteomics reveals novel factors in the ecdysone signaling pathway in <i>Drosophila melanogaster</i> . <i>Proteomics</i> , 2015, 15, 725-738.	1.3	9
2841	Leucine is a major regulator of muscle protein synthesis in neonates. <i>Amino Acids</i> , 2015, 47, 259-270.	1.2	83
2842	The role of mitochondria in mTOR-regulated longevity. <i>Biological Reviews</i> , 2015, 90, 167-181.	4.7	48
2843	Mechanism and Regulation of Autophagy and Its Role in Neuronal Diseases. <i>Molecular Neurobiology</i> , 2015, 52, 1190-1209.	1.9	53
2844	Stress Response Pathways in Cancer. , 2015, , .		3
2845	Pathways to Myocardial Hypertrophy. , 2015, , 167-186.		7
2846	Mesenchymal Stem Cells Correct Inappropriate Epithelial-mesenchyme Relation in Pulmonary Fibrosis Using Stanniocalcin-1. <i>Molecular Therapy</i> , 2015, 23, 549-560.	3.7	85
2847	A central role for the mammalian target of rapamycin in LPS-induced anorexia in mice. <i>Journal of Endocrinology</i> , 2015, 224, 37-47.	1.2	18

#	ARTICLE	IF	CITATIONS
2848	Exercise in ZDF rats does not attenuate weight gain, but prevents hyperglycemia concurrent with modulation of amino acid metabolism and AKT/mTOR activation in skeletal muscle. <i>European Journal of Nutrition</i> , 2015, 54, 751-759.	1.8	6
2849	Regulation and biological function of a flagellar glucose transporter in <i>Leishmania mexicana</i> : a potential glucose sensor. <i>FASEB Journal</i> , 2015, 29, 11-24.	0.2	38
2850	Hexokinase II integrates energy metabolism and cellular protection: Acting on mitochondria and TORCing to autophagy. <i>Cell Death and Differentiation</i> , 2015, 22, 248-257.	5.0	328
2851	The mTOR signaling pathway as a treatment target for intracranial neoplasms. <i>Neuro-Oncology</i> , 2015, 17, 189-199.	0.6	44
2852	Synuclein β protects Akt and mTOR and renders tumor resistance to Hsp90 disruption. <i>Oncogene</i> , 2015, 34, 2398-2405.	2.6	23
2853	The anti-diabetic drug metformin inhibits vascular endothelial growth factor expression via the mammalian target of rapamycin complex 1/hypoxia-inducible factor-1 α signaling pathway in ELT-3 cells. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 1-8.	1.6	47
2854	^1H , ^{15}N and ^{13}C resonance assignments of the conserved region in the middle domain of <i>S. pombe</i> Sin1 protein. <i>Biomolecular NMR Assignments</i> , 2015, 9, 89-92.	0.4	6
2855	Considerations for protein intake in managing weight loss in athletes. <i>European Journal of Sport Science</i> , 2015, 15, 21-28.	1.4	33
2856	Anti-migratory effect of rapamycin impairs allograft imaging by ^{18}F -fluorodeoxyglucose-labeled splenocytes. <i>Molecular Medicine Reports</i> , 2016, 14, 2194-2198.	1.1	1
2857	Feeding Behavior, Starvation Response, and Endocrine Regulation of Feeding in Mexican Blind Cavefish (<i>Astyanax fasciatus mexicanus</i>). , 2016, , 269-290.		4
2858	Effects of Metformin and a Mammalian Target of Rapamycin (mTOR) ATPCompetitive Inhibitor on Targeted Metabolomics in Pancreatic Cancer Cell Line. <i>Metabolomics: Open Access</i> , 2016, 6, .	0.1	11
2859	Cardiovascular Complications from Cancer Therapy. , 2016, , 185-211.		0
2860	mTOR. , 2016, , 23-35.		14
2861	Role of Mammalian Target of Rapamycin (mTOR) in Cardiac Homeostasis in Metabolic Disorders. , 2016, , 263-274.		0
2862	Management of mammalian target of rapamycin inhibitor-associated noninfectious pneumonitis in advanced breast cancer: A nursing perspective. <i>Journal of Nursing Education and Practice</i> , 2016, 7, .	0.1	0
2863	Dysregulation of the Low-Density Lipoprotein Receptor Pathway Is Involved in Lipid Disorder-Mediated Organ Injury. <i>International Journal of Biological Sciences</i> , 2016, 12, 569-579.	2.6	88
2864	Overview of Autophagy. , 2016, , 3-84.		0
2865	Role of mTOR Signaling in Cardioprotection. , 2016, , 245-262.		0

#	ARTICLE	IF	CITATIONS
2866	Overview of Autophagy. , 2016, , 1-71.		0
2867	Molecular links between early energy metabolism alterations and Alzheimer s disease. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 8-19.	3.0	7
2868	Transcriptomic differences of genes in the avian target of rapamycin (avTOR) pathway in a divergent line of meat-type chickens selected for feed efficiency. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	8
2869	Overproduction of reactive oxygen species “ obligatory or not for induction of apoptosis by anticancer drugs. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association</i> , Beijing Institute for Cancer Research, 2016, 28, 383-396.	0.7	85
2870	mTOR. , 2016, , 105-122.		6
2871	A quantitative transcriptomic analysis of the physiological significance of mTOR signaling in goat fetal fibroblasts. <i>BMC Genomics</i> , 2016, 17, 879.	1.2	3
2872	Everolimus in the management of metastatic renal cell carcinoma: an evidence-based review of its place in therapy. <i>Core Evidence</i> , 2016, Volume 11, 23-36.	4.7	45
2873	mTOR in Multiple Sclerosis. , 2016, , 331-343.		5
2874	Differentiation and Apoptosis Induction by Lovastatin and Î³-Tocotrienol in HL-60 via Ras/ERK/NF-Î²B and Ras/Akt/NF-Î²B Signaling Dependent Down- Regulation of Glyoxalase 1 and HMG-CoA Reductase. <i>Journal of Cell Signaling</i> , 2016, 01, .	0.3	0
2875	mTOR Involvement in the Mechanisms of Memory. , 2016, , 169-184.		3
2876	Chronic mTOR Inhibition by Rapamycin and Diabetes. , 2016, , 365-378.		0
2877	Extracellular Vesicles and Autophagy in Osteoarthritis. <i>BioMed Research International</i> , 2016, 2016, 1-8.	0.9	22
2878	Arginine Relieves the Inflammatory Response and Enhances the Casein Expression in Bovine Mammary Epithelial Cells Induced by Lipopolysaccharide. <i>Mediators of Inflammation</i> , 2016, 2016, 1-10.	1.4	39
2879	Parishin from <i>Gastrodia elata</i> Extends the Lifespan of Yeast via Regulation of Sir2/Uth1/TOR Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	33
2880	Dynamics of mTORC1 activation in response to amino acids. <i>ELife</i> , 2016, 5, .	2.8	92
2881	The Roles of PI3K/AKT/mTOR and MAPK/ERK Signaling Pathways in Human Pheochromocytomas. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-8.	0.6	17
2882	Glucose Metabolism, Insulin, and Aging. , 2016, , 393-409.		4
2883	mTOR in Metabolic and Endocrine Disorders. , 2016, , 347-364.		1

#	ARTICLE	IF	CITATIONS
2884	Genome-Wide Association Study Identifies Candidate Loci Underlying Agronomic Traits in a Middle American Diversity Panel of Common Bean. <i>Plant Genome</i> , 2016, 9, plantgenome2016.02.0012.	1.6	136
2885	Hypoxia-Inducible Factors (HIFs) and Phosphorylation: Impact on Stability, Localization, and Transactivity. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 11.	1.8	141
2886	Induction of Central Host Signaling Kinases during Pneumococcal Infection of Human THP-1 Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 48.	1.8	7
2887	Staphylococcal Superantigens Spark Host-Mediated Danger Signals. <i>Frontiers in Immunology</i> , 2016, 7, 23.	2.2	35
2888	The Cell Wall Protein Ecm33 of <i>Candida albicans</i> is Involved in Chronological Life Span, Morphogenesis, Cell Wall Regeneration, Stress Tolerance, and Host-Cell Interaction. <i>Frontiers in Microbiology</i> , 2016, 7, 64.	1.5	29
2889	Knockdown of AMPK β 2 Promotes Pulmonary Arterial Smooth Muscle Cells Proliferation via mTOR/Skp2/p27Kip1 Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2016, 17, 844.	1.8	14
2890	The Complexity of Targeting PI3K-Akt-mTOR Signalling in Human Acute Myeloid Leukaemia: The Importance of Leukemic Cell Heterogeneity, Neighbouring Mesenchymal Stem Cells and Immunocompetent Cells. <i>Molecules</i> , 2016, 21, 1512.	1.7	36
2891	Rapamycin Loaded Solid Lipid Nanoparticles as a New Tool to Deliver mTOR Inhibitors: Formulation and In Vitro Characterization. <i>Nanomaterials</i> , 2016, 6, 87.	1.9	31
2892	Allomyrina Dichotoma Larvae Regulate Food Intake and Body Weight in High Fat Diet-Induced Obese Mice Through mTOR and Mapk Signaling Pathways. <i>Nutrients</i> , 2016, 8, 100.	1.7	31
2893	Experimental Evolution Reveals Interplay between Sch9 and Polyploid Stability in Yeast. <i>PLoS Genetics</i> , 2016, 12, e1006409.	1.5	24
2894	Rapamycin Inhibits Oxidized Low Density Lipoprotein Uptake in Human Umbilical Vein Endothelial Cells via mTOR/NF- κ B/LOX-1 Pathway. <i>PLoS ONE</i> , 2016, 11, e0146777.	1.1	26
2895	Phenotypically Dormant and Immature Leukaemia Cells Display Increased Ribosomal Protein S6 Phosphorylation. <i>PLoS ONE</i> , 2016, 11, e0151480.	1.1	6
2896	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
2897	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
2898	Commentary: Overcoming mTOR resistance mutations with a new-generation mTOR inhibitor. <i>Frontiers in Pharmacology</i> , 2016, 7, 431.	1.6	5
2899	Target of Rapamycin Is a Key Player for Auxin Signaling Transduction in Arabidopsis. <i>Frontiers in Plant Science</i> , 2016, 7, 291.	1.7	81
2900	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
2901	Tomato FK506 Binding Protein 12KD (FKBP12) Mediates the Interaction between Rapamycin and Target of Rapamycin (TOR). <i>Frontiers in Plant Science</i> , 2016, 7, 1746.	1.7	40

#	ARTICLE	IF	CITATIONS
2902	Chapter 8 Molecular pathways involved in amino acid and phosphorus utilization. , 2016, , 119-128.		2
2903	Alpha-Ketoglutarate: Physiological Functions and Applications. Biomolecules and Therapeutics, 2016, 24, 1-8.	1.1	194
2904	Calcineurin complex isolated from T-cell acute lymphoblastic leukemia (T-ALL) cells identifies new signaling pathways including mTOR/AKT/S6K whose inhibition synergize with calcineurin inhibition to promote T-ALL cell death. Oncotarget, 2016, 7, 45715-45729.	0.8	16
2906	The role of mechanistic target of rapamycin in maintenance of glomerular epithelial cells. Current Opinion in Nephrology and Hypertension, 2016, 25, 28-34.	1.0	10
2907	New perspectives on the use of mTOR inhibitors in allogeneic haematopoietic stem cell transplantation and graft-versus-host disease. British Journal of Clinical Pharmacology, 2016, 82, 1171-1179.	1.1	28
2908	Diabetes-accelerated experimental osteoarthritis is prevented by autophagy activation. Osteoarthritis and Cartilage, 2016, 24, 2116-2125.	0.6	47
2909	Identification of differentially expressed genes associated with differential body size in mandarin fish (<i>Siniperca chuatsi</i>). Genetica, 2016, 144, 445-455.	0.5	9
2910	mTORC2 Signaling Regulates Nox4-Induced Podocyte Depletion in Diabetes. Antioxidants and Redox Signaling, 2016, 25, 703-719.	2.5	57
2911	mTOR Complexes Repress Hypertrophic Agonist-Stimulated Expression of Connective Tissue Growth Factor in Adult Cardiac Muscle Cells. Journal of Cardiovascular Pharmacology, 2016, 67, 110-120.	0.8	5
2912	Overexpression of TOR (target of rapamycin) inhibits cell proliferation in <i>Dictyostelium discoideum</i> . Journal of Basic Microbiology, 2016, 56, 510-519.	1.8	7
2913	MAF1 suppresses AKT-mTOR signaling and liver cancer through activation of PTEN transcription. Hepatology, 2016, 63, 1928-1942.	3.6	61
2914	A mouse model for testing remyelinating therapies. Experimental Neurology, 2016, 283, 330-340.	2.0	62
2915	Sustained activation of mTORC1 in macrophages increases AMPK-dependent autophagy to maintain cellular homeostasis. BMC Biochemistry, 2016, 17, 14.	4.4	20
2916	Regulation of the lignocellulolytic response in filamentous fungi. Fungal Biology Reviews, 2016, 30, 101-111.	1.9	91
2917	Mechanistic insights into selective autophagy pathways: lessons from yeast. Nature Reviews Molecular Cell Biology, 2016, 17, 537-552.	16.1	323
2918	Effect of mTORC1/mTORC2 inhibition on T cell function: potential role in graft-versus-host disease control. British Journal of Haematology, 2016, 173, 754-768.	1.2	18
2919	Melatonin attenuates traumatic brain injury-induced inflammation: a possible role for mitophagy. Journal of Pineal Research, 2016, 61, 177-186.	3.4	148
2920	Ubiquitin regulates TORC1 in yeast <i>Saccharomyces cerevisiae</i> . Molecular Microbiology, 2016, 100, 303-314.	1.2	9

#	ARTICLE	IF	CITATIONS
2921	Activation of extracellular regulated kinase and mechanistic target of rapamycin pathway in focal cortical dysplasia. <i>Neuropathology</i> , 2016, 36, 146-156.	0.7	13
2922	TOR complex 2 localises to the cytokinetic actomyosin ring and controls the fidelity of cytokinesis. <i>Journal of Cell Science</i> , 2016, 129, 2613-24.	1.2	16
2923	The Induction of Drosophila Heat Shock Proteins by Plants That Can Extend Fly Lifespan. <i>Heat Shock Proteins</i> , 2016, , 233-244.	0.2	0
2924	4.4 Å... Resolution Cryo-EM structure of human mTOR Complex 1. <i>Protein and Cell</i> , 2016, 7, 878-887.	4.8	69
2925	PLD1 regulates adipogenic differentiation through mTOR - IRS-1 phosphorylation at serine 636/639. <i>Scientific Reports</i> , 2016, 6, 36968.	1.6	20
2926	Mitochondrial fat oxidation is essential for lipid-induced inflammation in skeletal muscle in mice. <i>Scientific Reports</i> , 2016, 6, 37941.	1.6	30
2927	CSTB Downregulation Promotes Cell Proliferation and Migration and Suppresses Apoptosis in Gastric Cancer SGC-7901 Cell Line. <i>Oncology Research</i> , 2016, 24, 487-494.	0.6	18
2928	Prenatal programming: adverse cardiac programming by gestational testosterone excess. <i>Scientific Reports</i> , 2016, 6, 28335.	1.6	35
2929	Macronutrient Deprivation: Biological Mechanisms and Effects on Early Neurodevelopment. , 2016, , 21-43.		0
2930	14-3-3 proteins regulate Tctpâ€“Rheb interaction for organ growth in Drosophila. <i>Nature Communications</i> , 2016, 7, 11501.	5.8	41
2931	Structural mechanism for the arginine sensing and regulation of CASTOR1 in the mTORC1 signaling pathway. <i>Cell Discovery</i> , 2016, 2, 16051.	3.1	35
2932	A common mechanism involving the TORC1 pathway can lead to amphotericin B-persistence in biofilm and planktonic <i>Saccharomyces cerevisiae</i> populations. <i>Scientific Reports</i> , 2016, 6, 21874.	1.6	28
2933	Is it possible to prove the existence of an aging program by quantitative analysis of mortality dynamics?. <i>Biochemistry (Moscow)</i> , 2016, 81, 1461-1476.	0.7	8
2934	Voluntary resistance wheel exercise from mid-life prevents sarcopenia and increases markers of mitochondrial function and autophagy in muscles of old male and female C57BL/6J mice. <i>Skeletal Muscle</i> , 2016, 6, 45.	1.9	87
2935	mTOR Signaling Confers Resistance to Targeted Cancer Drugs. <i>Trends in Cancer</i> , 2016, 2, 688-697.	3.8	65
2936	Intravenous maternal L-arginine administration to twin-bearing ewes, during late pregnancy, is associated with increased fetal muscle mTOR abundance and postnatal growth in twin female lambs1. <i>Journal of Animal Science</i> , 2016, 94, 2519-2531.	0.2	11
2937	Insulin Stimulates Goose Liver Cell Growth by Activating PI3K-AKT-mTOR Signal Pathway. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 558-570.	1.1	23
2938	Glucose restriction induces transient G2 cell cycle arrest extending cellular chronological lifespan. <i>Scientific Reports</i> , 2016, 6, 19629.	1.6	31

#	ARTICLE	IF	CITATIONS
2939	Sestrin2 is induced by glucose starvation via the unfolded protein response and protects cells from non-canonical necroptotic cell death. <i>Scientific Reports</i> , 2016, 6, 22538.	1.6	85
2940	Chronic rapamycin treatment on the nutrient utilization and metabolism of juvenile turbot (Psetta Tj ETQq1 1 0.784314 rgBJ Overl	1.6	20
2941	Therapeutic Drug Monitoring of Everolimus. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 143-169.	1.0	102
2942	Regulation of TORC1 by ubiquitin through non-covalent binding. <i>Current Genetics</i> , 2016, 62, 553-555.	0.8	9
2943	Insulin Signaling and Heart Failure. <i>Circulation Research</i> , 2016, 118, 1151-1169.	2.0	292
2944	mTOR inhibitors in urinary bladder cancer. <i>Tumor Biology</i> , 2016, 37, 11541-11551.	0.8	23
2945	Rapamycin-loaded solid lipid nanoparticles: Morphology and impact of the drug loading on the phase transition between lipid polymorphs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 54-65.	2.3	24
2946	Inhibition of Rb Phosphorylation Leads to mTORC2-Mediated Activation of Akt. <i>Molecular Cell</i> , 2016, 62, 929-942.	4.5	87
2947	Efficacy and Safety of Everolimus in Extrapancreatic Neuroendocrine Tumor: A Comprehensive Review of Literature. <i>Oncologist</i> , 2016, 21, 875-886.	1.9	15
2948	Enhancing the Enrichment of Pharmacophore-Based Target Prediction for the Polypharmacological Profiles of Drugs. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1175-1183.	2.5	163
2949	MicroRNA-214 Reduces Insulin-like Growth Factor-1 (IGF-1) Receptor Expression and Downstream mTORC1 Signaling in Renal Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 14662-14676.	1.6	32
2950	Targeting translation: eIF4E as an emerging anticancer drug target. <i>Expert Reviews in Molecular Medicine</i> , 2016, 18, e2.	1.6	41
2951	Immunobiological factors aggravating the fatty infiltration on tendons and muscles in rotator cuff lesions. <i>Molecular and Cellular Biochemistry</i> , 2016, 417, 17-33.	1.4	28
2952	Sng1 associates with Nce102 to regulate the yeast Pkh \hat{e} Ypk signalling module in response to sphingolipid status. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1319-1333.	1.9	28
2953	Bridges between mitochondrial oxidative stress, ER stress and mTOR signaling in pancreatic \hat{I}^2 cells. <i>Cellular Signalling</i> , 2016, 28, 1099-1104.	1.7	132
2954	CXCR2 Inhibition in Human Pluripotent Stem Cells Induces Predominant Differentiation to Mesoderm and Endoderm Through Repression of mTOR, \hat{I}^2 -Catenin, and hTERT Activities. <i>Stem Cells and Development</i> , 2016, 25, 1006-1019.	1.1	23
2955	Role of Ragulator in the Regulation of Mechanistic Target of Rapamycin Signaling in Podocytes and Glomerular Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3653-3665.	3.0	13
2956	Autophagy in acute kidney injury. <i>Kidney International</i> , 2016, 89, 779-791.	2.6	302

#	ARTICLE	IF	CITATIONS
2957	Hydrophobic motif site-phosphorylated protein kinase C β II between mTORC2 and Akt regulates high glucose-induced mesangial cell hypertrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C583-C596.	2.1	15
2958	Metabolic abnormalities induced by mitochondrial dysfunction in skeletal muscle of the renal carcinoma Eker (TSC2+/ Δ) rat model. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1513-1519.	0.6	3
2959	Calorie restriction as an intervention in ageing. <i>Journal of Physiology</i> , 2016, 594, 2043-2060.	1.3	212
2960	Predictive factors of response to mTOR inhibitors in neuroendocrine tumours. <i>Endocrine-Related Cancer</i> , 2016, 23, R173-R183.	1.6	28
2961	Regulation of Autophagy By Signaling Through the Atg1/ULK1 Complex. <i>Journal of Molecular Biology</i> , 2016, 428, 1725-1741.	2.0	139
2962	Dietary arginine affects growth performance, plasma amino acid contents and gene expressions of the TOR signaling pathway in juvenile blunt snout bream, <i>Megalobrama amblycephala</i> . <i>Aquaculture</i> , 2016, 461, 1-8.	1.7	82
2963	AMP-activated kinase β 2 deficiency protects mice from denervation-induced skeletal muscle atrophy. <i>Archives of Biochemistry and Biophysics</i> , 2016, 600, 56-60.	1.4	25
2964	A Syndromic Intellectual Disability Disorder Caused by Variants in TELO2 , a Gene Encoding a Component of the TTT Complex. <i>American Journal of Human Genetics</i> , 2016, 98, 909-918.	2.6	35
2965	Basal mTORC2 activity and expression of its components display diurnal variation in mouse perivascular adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 317-322.	1.0	7
2966	Ribosomal protein S6 kinase1 coordinates with TOR-Raptor2 to regulate thylakoid membrane biosynthesis in rice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 639-649.	1.2	44
2967	Pharmacological Strategies to Retard Cardiovascular Aging. <i>Circulation Research</i> , 2016, 118, 1626-1642.	2.0	64
2968	Discovery of (S)-4-isobutyloxazolidin-2-one as a novel leucyl-tRNA synthetase (LRS)-targeted mTORC1 inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3038-3041.	1.0	16
2969	Low glucose dependent decrease of apoptosis and induction of autophagy in breast cancer MCF-7 cells. <i>Molecular and Cellular Biochemistry</i> , 2016, 417, 35-47.	1.4	30
2970	The correlation between FDG uptake and biological molecular markers in pancreatic cancer patients. <i>European Journal of Radiology</i> , 2016, 85, 1804-1810.	1.2	14
2971	Rapamycin Decreases the Osteogenic Response in Aortic Valve Interstitial Cells Through the Stat3 Pathway. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1229-1238.	0.7	12
2972	Leucine alleviates dexamethasone-induced suppression of muscle protein synthesis via synergy involvement of mTOR and AMPK pathways. <i>Bioscience Reports</i> , 2016, 36, .	1.1	25
2973	Functional Study of the Primary Cilia in ADPKD. <i>Advances in Experimental Medicine and Biology</i> , 2016, 933, 45-57.	0.8	4
2974	ERK-dependent mTOR pathway is involved in berberine-induced autophagy in hepatic steatosis. <i>Journal of Molecular Endocrinology</i> , 2016, 57, 251-260.	1.1	36

#	ARTICLE	IF	CITATIONS
2975	Catastrophic antiphospholipid syndrome: The current management approach. Best Practice and Research in Clinical Rheumatology, 2016, 30, 239-249.	1.4	39
2976	Neural Progenitor Cells <i>mTOR</i> Ablation Impairs Development but Benefits to Seizure-Induced Behavioral Abnormalities. CNS Neuroscience and Therapeutics, 2016, 22, 1000-1008.	1.9	10
2977	A Legume TOR Protein Kinase Regulates <i>Rhizobium</i> Symbiosis and Is Essential for Infection and Nodule Development. Plant Physiology, 2016, 172, 2002-2020.	2.3	29
2978	Sensing the Environment Through Sestrins: Implications for Cellular Metabolism. International Review of Cell and Molecular Biology, 2016, 327, 1-42.	1.6	30
2979	Prolyl hydroxylase domain enzymes and their role in cell signaling and cancer metabolism. International Journal of Biochemistry and Cell Biology, 2016, 80, 71-80.	1.2	31
2980	Activation of MTOR in pulmonary epithelium promotes LPS-induced acute lung injury. Autophagy, 2016, 12, 2286-2299.	4.3	156
2981	Leucyl-tRNA Synthetase Activates Vps34 in Amino Acid-Sensing mTORC1 Signaling. Cell Reports, 2016, 16, 1510-1517.	2.9	73
2982	Mammalian Target of Rapamycin Signaling Pathway Changes with Intestinal Epithelial Cells Renewal Along Crypt-Villus Axis. Cellular Physiology and Biochemistry, 2016, 39, 751-759.	1.1	22
2983	mTOR signaling in osteosarcoma: Oncogenesis and therapeutic aspects (Review). Oncology Reports, 2016, 36, 1219-1225.	1.2	64
2984	The Lysosome as a Regulatory Hub. Annual Review of Cell and Developmental Biology, 2016, 32, 223-253.	4.0	412
2985	Epigenetic Mechanisms of Longevity and Aging. Cell, 2016, 166, 822-839.	13.5	649
2986	Low oxygen level increases proliferation and metabolic changes in bovine granulosa cells. Molecular and Cellular Endocrinology, 2016, 437, 75-85.	1.6	47
2987	Dexamethasone Downregulates SLC7A5 Expression and Promotes Cell Cycle Arrest, Autophagy and Apoptosis in BeWo Cells. Journal of Cellular Physiology, 2016, 231, 233-242.	2.0	38
2988	Rapamycin increases RSV RNA levels and survival of RSV-infected dendritic cell depending on T cell contact. Toxicology in Vitro, 2016, 36, 114-119.	1.1	6
2989	From Krebs to clinic: glutamine metabolism to cancer therapy. Nature Reviews Cancer, 2016, 16, 619-634.	12.8	1,367
2990	New perspectives on the involvement of mTOR in depression as well as in the action of antidepressant drugs. British Journal of Clinical Pharmacology, 2016, 82, 1280-1290.	1.1	121
2991	Bioenergetics and redox adaptations of astrocytes to neuronal activity. Journal of Neurochemistry, 2016, 139, 115-125.	2.1	192
2992	Targeting innate immunity for neurodegenerative disorders of the central nervous system. Journal of Neurochemistry, 2016, 138, 653-693.	2.1	106

#	ARTICLE	IF	CITATIONS
2993	Caloric restriction and the precision-control of autophagy: A strategy for delaying neurodegenerative disease progression. <i>Experimental Gerontology</i> , 2016, 83, 97-111.	1.2	57
2994	Danshensu alleviates cardiac ischaemia/reperfusion injury by inhibiting autophagy and apoptosis via activation of mTOR signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1908-1919.	1.6	74
2995	Mechanistic insight of diabetic nephropathy and its pharmacotherapeutic targets: An update. <i>European Journal of Pharmacology</i> , 2016, 791, 8-24.	1.7	196
2996	Neuroendocrine Tumors: Review of Pathology, Molecular and Therapeutic Advances. , 2016, , .		6
2997	Niemann-Pick type C2 deficiency impairs autophagy-lysosomal activity, mitochondrial function, and TLR signaling in adipocytes. <i>Journal of Lipid Research</i> , 2016, 57, 1644-1658.	2.0	39
2998	The <i>Aspergillus fumigatus</i> SchA ^{SCH9} kinase modulates SakA ^{HOG1} MAP kinase activity and it is essential for virulence. <i>Molecular Microbiology</i> , 2016, 102, 642-671.	1.2	33
2999	Mechanistic target of rapamycin is activated in bovine granulosa cells after LH surge but is not essential for ovulation. <i>Reproduction in Domestic Animals</i> , 2016, 51, 766-773.	0.6	8
3000	Clinical significance of T cell metabolic reprogramming in cancer. <i>Clinical and Translational Medicine</i> , 2016, 5, 29.	1.7	69
3001	Evolution of TOR and Translation Control. , 2016, , 327-411.		8
3002	Developmental Therapeutics for Gynecologic Cancers: An Overview. , 2016, , 99-125.		0
3003	The pivotal role of mammalian target of rapamycin inhibition in the treatment of patients with neuroendocrine tumors. <i>Cancer Medicine</i> , 2016, 5, 2953-2964.	1.3	15
3004	mTORC1 and mTORC2 regulate skin morphogenesis and epidermal barrier formation. <i>Nature Communications</i> , 2016, 7, 13226.	5.8	72
3007	Free Amino Acid Profile and Expression of Genes Implicated in Protein Metabolism in Skeletal Muscle of Growing Pigs Fed Low-Protein Diets Supplemented with Branched-Chain Amino Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9390-9400.	2.4	33
3008	Antifungal Drugs: The Current Armamentarium and Development of New Agents. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	159
3009	The GATOR1 Complex Regulates Metabolic Homeostasis and the Response to Nutrient Stress in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3859-3867.	0.8	24
3010	Pim1 inhibition as a novel therapeutic strategy for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2016, 11, 52.	4.4	30
3011	What goes up must come down: A tripartite Dok3/Grb2/SHIP1 inhibitory module limits BCR signaling. <i>European Journal of Immunology</i> , 2016, 46, 2507-2511.	1.6	6
3012	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

#	ARTICLE	IF	CITATIONS
3013	Hsa-miR-137, hsa-miR-520e and hsa-miR-590-3p perform crucial roles in Lynch syndrome. <i>Oncology Letters</i> , 2016, 12, 2011-2017.	0.8	11
3014	Therapeutic Strategy for Targeting Aggressive Malignant Gliomas by Disrupting Their Energy Balance. <i>Journal of Biological Chemistry</i> , 2016, 291, 21496-21509.	1.6	31
3015	TOR and paradigm change: cell growth is controlled. <i>Molecular Biology of the Cell</i> , 2016, 27, 2804-2806.	0.9	19
3016	Everolimus (RAD001) ameliorates vascular cognitive impairment by regulating microglial function via the mTORC1 signaling pathway. <i>Journal of Neuroimmunology</i> , 2016, 299, 164-171.	1.1	26
3017	Engagement of the B-cell receptor of chronic lymphocytic leukemia cells drives global and MYC-specific mRNA translation. <i>Blood</i> , 2016, 127, 449-457.	0.6	56
3018	Oncogene-Directed Alterations in Cancer Cell Metabolism. <i>Trends in Cancer</i> , 2016, 2, 365-377.	3.8	136
3019	Regulation of Reproductive Processes in Female Mosquitoes. <i>Advances in Insect Physiology</i> , 2016, , 115-144.	1.1	20
3020	Mitochondrial Stress Tests Using Seahorse Respirometry on Intact Dictyostelium discoideum Cells. <i>Methods in Molecular Biology</i> , 2016, 1407, 41-61.	0.4	18
3021	Unsolved mysteries of Rag GTPase signaling in yeast. <i>Small GTPases</i> , 2016, 7, 239-246.	0.7	38
3022	Gynecological Cancers. , 2016, , .		0
3023	Focal Adhesion Kinase Directly Interacts with TSC2 Through Its FAT Domain and Regulates Cell Proliferation in Cashmere Goat Fetal Fibroblasts. <i>DNA and Cell Biology</i> , 2016, 35, 480-488.	0.9	6
3024	Conserved regulators of Rag GTPases orchestrate amino acid-dependent TORC1 signaling. <i>Cell Discovery</i> , 2016, 2, 15049.	3.1	84
3025	Down-regulation of HSP60 Suppresses the Proliferation of Glioblastoma Cells via the ROS/AMPK/mTOR Pathway. <i>Scientific Reports</i> , 2016, 6, 28388.	1.6	68
3026	Somatic overgrowth disorders of the PI3K/AKT/mTOR pathway & therapeutic strategies. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2016, 172, 402-421.	0.7	195
3027	Efficacy of system <sc></sc> amino acid transporter 1 inhibition as a therapeutic target in esophageal squamous cell carcinoma. <i>Cancer Science</i> , 2016, 107, 1499-1505.	1.7	40
3028	PI3K-AKT signaling pathway is involved in hypoxia/thermal-induced immunosuppression of small abalone <i>Haliotis diversicolor</i> . <i>Fish and Shellfish Immunology</i> , 2016, 59, 492-508.	1.6	31
3029	Effects of weaning on intestinal crypt epithelial cells in piglets. <i>Scientific Reports</i> , 2016, 6, 36939.	1.6	44
3030	Targeting of PI3K/AKT/mTOR pathway to inhibit T cell activation and prevent graft-versus-host disease development. <i>Journal of Hematology and Oncology</i> , 2016, 9, 113.	6.9	72

#	ARTICLE	IF	CITATIONS
3031	BTG1 ameliorates liver steatosis by decreasing stearyl-CoA desaturase 1 (SCD1) abundance and altering hepatic lipid metabolism. <i>Science Signaling</i> , 2016, 9, ra50.	1.6	38
3032	Translation control during prolonged mTORC1 inhibition mediated by 4E-BP3. <i>Nature Communications</i> , 2016, 7, 11776.	5.8	37
3033	Therapeutic efficacy of apelin on transplanted mesenchymal stem cells in hindlimb ischemic mice via regulation of autophagy. <i>Scientific Reports</i> , 2016, 6, 21914.	1.6	32
3034	Lifespan-regulating genes in <i>C. elegans</i> . <i>Npj Aging and Mechanisms of Disease</i> , 2016, 2, 16010.	4.5	130
3035	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
3036	Regulation in free amino acid profile and protein synthesis pathway of growing pig skeletal muscles by low-protein diets for different time periods ^{1,2} . <i>Journal of Animal Science</i> , 2016, 94, 5192-5205.	0.2	8
3037	SIN1 promotes the proliferation and migration of breast cancer cells by Akt activation. <i>Bioscience Reports</i> , 2016, 36, .	1.1	10
3038	Effects of dietary protein restriction on muscle fiber characteristics and mTORC1 pathway in the skeletal muscle of growing-finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 47.	2.1	29
3039	Daunting but Worthy Goal. <i>Transplantation</i> , 2016, 100, 2569-2583.	0.5	16
3040	MK-2206 sensitizes BRCA-deficient epithelial ovarian adenocarcinoma to cisplatin and olaparib. <i>BMC Cancer</i> , 2016, 16, 550.	1.1	20
3041	Roles of the interorgan neuronal network in the development of metabolic syndrome. <i>Diabetology International</i> , 2016, 7, 205-211.	0.7	3
3042	Targeting the mTOR Pathway in Leukemia. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1745-1752.	1.2	50
3043	Mammalian target of rapamycin, insulin resistance and hidradenitis suppurativa: a possible metabolic loop. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2016, 30, 1631-1633.	1.3	50
3044	The Akt/mTOR pathway is activated in verrucous carcinoma of the oral cavity. <i>Journal of Oral Pathology and Medicine</i> , 2016, 45, 581-585.	1.4	14
3045	mTOR inhibitors effects on regulatory T cells and on dendritic cells. <i>Journal of Translational Medicine</i> , 2016, 14, 152.	1.8	57
3046	Metformin enhances anti-tumor effect of L-type amino acid transporter 1 (LAT1) inhibitor. <i>Journal of Pharmacological Sciences</i> , 2016, 131, 110-117.	1.1	21
3047	A hybrid model of molecular regulation and population dynamics for yeast autophagy. <i>Journal of Theoretical Biology</i> , 2016, 402, 45-53.	0.8	7
3048	GLP-1 analogue improves hepatic lipid accumulation by inducing autophagy via AMPK/mTOR pathway. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 196-203.	1.0	109

#	ARTICLE	IF	CITATIONS
3049	Inhibition of LPS-induced inflammatory mediators by 3-hydroxyanthranilic acid in macrophages through suppression of PI3K/NF- κ B signaling pathways. <i>Food and Function</i> , 2016, 7, 3073-3082.	2.1	32
3050	AMPK and HIF signaling pathways regulate both longevity and cancer growth: the good news and the bad news about survival mechanisms. <i>Biogerontology</i> , 2016, 17, 655-680.	2.0	62
3051	Gad8 Protein Is Found in the Nucleus Where It Interacts with the Mlul Cell Cycle Box-binding Factor (MBF) Transcriptional Complex to Regulate the Response to DNA Replication Stress. <i>Journal of Biological Chemistry</i> , 2016, 291, 9371-9381.	1.6	23
3052	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
3053	Slowed aging during reproductive dormancy is reflected in genome-wide transcriptome changes in <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2016, 17, 50.	1.2	95
3054	Black ginseng extract exerts anti-hyperglycemic effect via modulation of glucose metabolism in liver and muscle. <i>Journal of Ethnopharmacology</i> , 2016, 190, 231-240.	2.0	43
3055	Hypothalamic roles of mTOR complex I: integration of nutrient and hormone signals to regulate energy homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E994-E1002.	1.8	54
3056	Divergence of the diapause transcriptome in apple maggot flies: winter regulation and post-winter transcriptional repression. <i>Journal of Experimental Biology</i> , 2016, 219, 2613-22.	0.8	38
3057	Effects of slow-release urea and rumen-protected methionine and histidine on mammalian target of rapamycin (mTOR) signaling and ubiquitin proteasome-related gene expression in skeletal muscle of dairy cows. <i>Journal of Dairy Science</i> , 2016, 99, 6702-6713.	1.4	19
3058	Structure-based optimization leads to the discovery of NSC765844, a highly potent, less toxic and orally efficacious dual PI3K/mTOR inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 684-701.	2.6	15
3059	Metformin use and gynecological cancers: A novel treatment option emerging from drug repositioning. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 105, 73-83.	2.0	71
3060	Manganese-Stimulated Kisspeptin Is Mediated by the IGF-1/Akt/Mammalian Target of Rapamycin Pathway in the Prepubertal Female Rat. <i>Endocrinology</i> , 2016, 157, 3233-3241.	1.4	26
3061	Inhibition of mTOR signaling protects photoreceptor cells against serum deprivation by reducing oxidative stress and inducing G2/M cell cycle arrest. <i>Molecular Medicine Reports</i> , 2016, 13, 3771-3778.	1.1	5
3062	Techniques in Vascular and Interventional Radiology Drug Delivery Technologies in the Superficial Femoral Artery. <i>Techniques in Vascular and Interventional Radiology</i> , 2016, 19, 145-152.	0.4	3
3063	FXR blocks the growth of liver cancer cells through inhibiting mTOR-s6K pathway. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 351-356.	1.0	18
3064	Impaired Mitochondrial Fat Oxidation Induces FGF21 in Muscle. <i>Cell Reports</i> , 2016, 15, 1686-1699.	2.9	76
3065	High glucose induces autophagy of MC3T3-E1 cells via ROS-AKT-mTOR axis. <i>Molecular and Cellular Endocrinology</i> , 2016, 429, 62-72.	1.6	34
3066	Emerging Role of mTOR in the Response to Cancer Therapeutics. <i>Trends in Cancer</i> , 2016, 2, 241-251.	3.8	95

#	ARTICLE	IF	CITATIONS
3067	Rasfonin promotes autophagy and apoptosis via upregulation of reactive oxygen species (ROS)/JNK pathway. <i>Mycology</i> , 2016, 7, 64-73.	2.0	3
3068	Alterations to mTORC1 signaling in the skeletal muscle differentially affect whole-body metabolism. <i>Skeletal Muscle</i> , 2016, 6, 13.	1.9	28
3069	Rictor/mTORC2 loss in osteoblasts impairs bone mass and strength. <i>Bone</i> , 2016, 90, 50-58.	1.4	26
3070	Affected chromosome homeostasis and genomic instability of clonal yeast cultures. <i>Current Genetics</i> , 2016, 62, 405-418.	0.8	16
3071	Upregulation of RICTOR gene transcription by the proinflammatory cytokines through NF- κ B pathway contributes to the metastasis of renal cell carcinoma. <i>Tumor Biology</i> , 2016, 37, 4457-4466.	0.8	19
3072	High mTORC1 signaling is maintained, while protein degradation pathways are perturbed in old murine skeletal muscles in the fasted state. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 10-21.	1.2	46
3073	GOLPH3 Mediated Golgi Stress Response in Modulating N2A Cell Death upon Oxygen-Glucose Deprivation and Reoxygenation Injury. <i>Molecular Neurobiology</i> , 2016, 53, 1377-1385.	1.9	59
3074	period -Regulated Feeding Behavior and TOR Signaling Modulate Survival of Infection. <i>Current Biology</i> , 2016, 26, 184-194.	1.8	26
3075	Orchestrating the network of molecular pathways affecting aging: Role of nonselective autophagy and mitophagy. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 30-40.	2.2	40
3076	Structure of the TBC1D7-TSC1 complex reveals that TBC1D7 stabilizes dimerization of the TSC1 C-terminal coiled coil region. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 411-425.	1.5	37
3077	Activation of AMPK Stimulates Neurotensin Secretion in Neuroendocrine Cells. <i>Molecular Endocrinology</i> , 2016, 30, 26-36.	3.7	7
3078	Autophagy and Metabolism. , 2016, , 473-509.		0
3079	Activation of placental insulin and mTOR signaling in a mouse model of maternal obesity associated with fetal overgrowth. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R87-R93.	0.9	57
3080	PI3K/Akt/mTOR and Ras/Raf/MEK/ERK signaling pathways inhibitors as anticancer agents: Structural and pharmacological perspectives. <i>European Journal of Medicinal Chemistry</i> , 2016, 109, 314-341.	2.6	452
3081	Are invertebrates relevant models in ageing research? Focus on the effects of rapamycin on TOR. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 22-29.	2.2	7
3082	mTOR, cardiomyocytes and inflammation in cardiac hypertrophy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1894-1903.	1.9	89
3083	The mTOR Pathway and Aging. , 2016, , 55-81.		3
3084	Multiple amino acid sensing inputs to mTORC1. <i>Cell Research</i> , 2016, 26, 7-20.	5.7	174

#	ARTICLE	IF	CITATIONS
3085	Amino acid-dependent NPRL2 interaction with Raptor determines mTOR Complex 1 activation. Cellular Signalling, 2016, 28, 32-41.	1.7	10
3086	Global Transcriptional Profiling of Diapause and Climatic Adaptation in <i>Drosophila melanogaster</i> . Molecular Biology and Evolution, 2016, 33, 707-720.	3.5	59
3087	Potential therapeutic approaches for Angelman syndrome. Expert Opinion on Therapeutic Targets, 2016, 20, 601-613.	1.5	16
3088	Glucose Metabolism in T Cells and Monocytes: New Perspectives in HIV Pathogenesis. EBioMedicine, 2016, 6, 31-41.	2.7	96
3089	Endothelial AMPK activation induces mitochondrial biogenesis and stress adaptation via eNOS-dependent mTORC1 signaling. Nitric Oxide - Biology and Chemistry, 2016, 55-56, 45-53.	1.2	23
3090	A triangular connection between Cyclin G, PP2A and Akt1 in the regulation of growth and metabolism in <i>Drosophila</i> . Fly, 2016, 10, 11-18.	0.9	9
3091	Unravelling the relationship between macroautophagy and mitochondrial ROS in cancer therapy. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 517-531.	2.2	33
3092	Satellite cells isolated from skeletal muscle will proliferate faster in WENS yellow feather chicks. Animal Science Journal, 2016, 87, 126-133.	0.6	3
3093	The PtdIns3p phosphatase MTMR3 interacts with mTORC1 and suppresses its activity. FEBS Letters, 2016, 590, 161-173.	1.3	26
3094	A network pharmacology approach reveals new candidate caloric restriction mimetics in <i>C. elegans</i> . Aging Cell, 2016, 15, 256-266.	3.0	86
3095	Selective Tuberous Sclerosis Complex 1 Gene Deletion in Smooth Muscle Activates Mammalian Target of Rapamycin Signaling and Induces Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 352-367.	1.4	19
3096	Current methods of the analysis of immunosuppressive agents in clinical materials: A review. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 207-231.	1.4	66
3097	Ghrelin induces colon cancer cell proliferation through the GHS-R, Ras, PI3K, Akt, and mTOR signaling pathways. European Journal of Pharmacology, 2016, 776, 124-131.	1.7	56
3098	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three <i>Trichoderma</i> Species. Microbiology and Molecular Biology Reviews, 2016, 80, 205-327.	2.9	194
3099	TOR (target of rapamycin) is a key regulator of triacylglycerol accumulation in microalgae. Plant Signaling and Behavior, 2016, 11, e1149285.	1.2	43
3100	Maternal diabetes promotes mTORC1 downstream signalling in rabbit preimplantation embryos. Reproduction, 2016, 151, 465-476.	1.1	22
3101	mTORC1: Upstream and Downstream. , 2016, , 243-253.		2
3102	The role of amino acid-induced mammalian target of rapamycin complex 1(mTORC1) signaling in insulin resistance. Experimental and Molecular Medicine, 2016, 48, e201-e201.	3.2	33

#	ARTICLE	IF	CITATIONS
3103	Ovarian follicle development in vitro and oocyte competence: advances and challenges for farm animals. <i>Domestic Animal Endocrinology</i> , 2016, 55, 123-135.	0.8	53
3104	A phase II study of everolimus (RAD001), an mTOR inhibitor plus CHOP for newly diagnosed peripheral T-cell lymphomas. <i>Annals of Oncology</i> , 2016, 27, 712-718.	0.6	41
3105	TOR Signaling and Nutrient Sensing. <i>Annual Review of Plant Biology</i> , 2016, 67, 261-285.	8.6	329
3106	Photo-cross-linked small-molecule affinity matrix as a tool for target identification of bioactive small molecules. <i>Natural Product Reports</i> , 2016, 33, 709-718.	5.2	29
3107	Suppression of mTOR Signaling Pathways in Skeletal Muscle of Finishing Pigs by Increasing the Ratios of Ether Extract and Neutral Detergent Fiber at the Expense of Starch in Iso-energetic Diets. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1557-1564.	2.4	7
3108	Mechanistic Target of Rapamycin Complex 1 (mTORC1) and mTORC2 as Key Signaling Intermediates in Mesenchymal Cell Activation. <i>Journal of Biological Chemistry</i> , 2016, 291, 6262-6271.	1.6	35
3109	Influence of plasma macronutrient levels on hepatic metabolism: role of regulatory networks in homeostasis and disease states. <i>RSC Advances</i> , 2016, 6, 14344-14371.	1.7	9
3110	Medical Management of Pancreatic Neuroendocrine Tumors. <i>Surgical Oncology Clinics of North America</i> , 2016, 25, 423-437.	0.6	12
3111	Mechanisms linking energy balance and reproduction: impact of prenatal environment. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2016, 25, 29-43.	0.3	4
3112	A protein-protein interaction network linking the energy-sensor kinase SnRK1 to multiple signaling pathways in <i>Arabidopsis thaliana</i> . <i>Current Plant Biology</i> , 2016, 5, 36-44.	2.3	61
3113	CaTip41 regulates protein phosphatase 2A activity, CaRad53 deactivation and the recovery of DNA damage-induced filamentation to yeast form in <i>Candida albicans</i> . <i>FEMS Yeast Research</i> , 2016, 16, fow009.	1.1	11
3114	Targeting mTOR: A Little Bit of History and a Large Future. , 2016, , 1-17.		0
3115	Structure-activity relations of leucine derivatives reveal critical moieties for cellular uptake and activation of mTORC1-mediated signaling. <i>Amino Acids</i> , 2016, 48, 1045-1058.	1.2	51
3116	Autophagy inhibitors. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 985-1001.	2.4	231
3117	The TOR Complex: An Emergency Switch for Root Behavior. <i>Plant and Cell Physiology</i> , 2016, 57, 14-18.	1.5	20
3118	Cardiac mTOR complex 2 preserves ventricular function in pressure-overload hypertrophy. <i>Cardiovascular Research</i> , 2016, 109, 103-114.	1.8	47
3119	Mammalian Target of Rapamycin Mediates Kidney Injury Molecule 1-Dependent Tubule Injury in a Surrogate Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1943-1957.	3.0	34
3120	Phosphorylation of Ribosomal Protein S6 Mediates Mammalian Target of Rapamycin Complex 1-Induced Parathyroid Cell Proliferation in Secondary Hyperparathyroidism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1091-1101.	3.0	35

#	ARTICLE	IF	CITATIONS
3121	Paeonia japonica root extract protects hepatocytes against oxidative stress through inhibition of AMPK-mediated GSK3 β . <i>Journal of Functional Foods</i> , 2016, 20, 303-316.	1.6	17
3122	Anti-tumor activities of luteolin and silibinin in glioblastoma cells: overexpression of miR-7-1-3p augmented luteolin and silibinin to inhibit autophagy and induce apoptosis in glioblastoma in vivo. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 312-328.	2.2	98
3123	A novel quinazolinone chalcone derivative induces mitochondrial dependent apoptosis and inhibits PI3K/Akt/mTOR signaling pathway in human colon cancer HCT-116 cells. <i>Food and Chemical Toxicology</i> , 2016, 87, 1-11.	1.8	61
3124	Identification of expression quantitative trait loci of RPTOR for susceptibility to glioma. <i>Tumor Biology</i> , 2016, 37, 2305-2311.	0.8	7
3125	TORC1 activity is partially reduced under nitrogen starvation conditions in sake yeast <i>Kyokai no. 7</i> , <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 247-252.	1.1	15
3126	Bitter Melon (<i>Momordica charantia</i>) Extract Inhibits Tumorigenicity and Overcomes Cisplatin-Resistance in Ovarian Cancer Cells Through Targeting AMPK Signaling Cascade. <i>Integrative Cancer Therapies</i> , 2016, 15, 376-389.	0.8	35
3127	Prospects for mTOR-mediated functional repair after central nervous system trauma. <i>Neurobiology of Disease</i> , 2016, 85, 99-110.	2.1	55
3128	Lysosomes: Regulators of autophagy in the retinal pigmented epithelium. <i>Experimental Eye Research</i> , 2016, 144, 46-53.	1.2	76
3129	Priming hMSCs with a putative anti-cancer compound, myrtucommulone-a: a way to harness hMSC cytokine expression via modulating PI3K/Akt pathway?. <i>Tumor Biology</i> , 2016, 37, 1967-1981.	0.8	14
3130	Expression of Mammalian Target of Rapamycin and Downstream Targets in Normal and Gestational Diabetic Human Term Placenta. <i>Reproductive Sciences</i> , 2016, 23, 324-332.	1.1	30
3131	ASCT2/SLC1A5 controls glutamine uptake and tumour growth in triple-negative basal-like breast cancer. <i>Oncogene</i> , 2016, 35, 3201-3208.	2.6	430
3132	Sex-specific Tradeoffs With Growth and Fitness Following Life-span Extension by Rapamycin in an Outcrossing Nematode, <i>Caenorhabditis remanei</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 882-890.	1.7	32
3133	Phosphorylation of 4EBP by oral leucine administration was suppressed in the skeletal muscle of PGC-1 α knockout mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 288-290.	0.6	8
3134	PDK1 promotes tumor growth and metastasis in a spontaneous breast cancer model. <i>Oncogene</i> , 2016, 35, 3314-3323.	2.6	55
3135	Developmental and Functional Brain Impairment in Offspring from Preeclampsia-Like Rats. <i>Molecular Neurobiology</i> , 2016, 53, 1009-1019.	1.9	39
3136	KU0063794, a Dual mTORC1 and mTORC2 Inhibitor, Reduces Neural Tissue Damage and Locomotor Impairment After Spinal Cord Injury in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 2415-2427.	1.9	48
3137	Utilisation of dietary carbohydrates in farmed fishes: New insights on influencing factors, biological limitations and future strategies. <i>Aquaculture</i> , 2017, 467, 3-27.	1.7	369
3138	Phenylenediamine induces apoptosis through activation of reactive oxygen species-mediated mitochondrial pathway, and inhibition of the mTOR, and Wnt pathways in human urothelial cells. <i>Environmental Toxicology</i> , 2017, 32, 265-277.	2.1	18

#	ARTICLE	IF	CITATIONS
3139	Translationally controlled tumour protein (TCTP) from tomato and <i>Nicotiana benthamiana</i> is necessary for successful infection by a potyvirus. <i>Molecular Plant Pathology</i> , 2017, 18, 672-683.	2.0	23
3140	mTOR Regulates Endocytosis and Nutrient Transport in Proximal Tubular Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 230-241.	3.0	79
3141	Autophagy response in the liver of pigeon exposed to avermectin. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12767-12777.	2.7	17
3142	mTOR Signaling in Parkinson's Disease. <i>NeuroMolecular Medicine</i> , 2017, 19, 1-10.	1.8	74
3143	fh11 gene of the fission yeast regulates transcription of meiotic genes and nitrogen starvation response, downstream of the TORC1 pathway. <i>Current Genetics</i> , 2017, 63, 91-101.	0.8	12
3144	Exploratory transcriptomic analysis in muscle tissue of broilers fed a phytase-supplemented diet. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 563-575.	1.0	27
3145	Rapamycin suppresses microglial activation and reduces the development of neuropathic pain after spinal cord injury. <i>Journal of Orthopaedic Research</i> , 2017, 35, 93-103.	1.2	61
3146	Nutrient sensing and TOR signaling in yeast and mammals. <i>EMBO Journal</i> , 2017, 36, 397-408.	3.5	570
3147	Lymphangiomyomatosis: A Monogenic Model of Malignancy. <i>Annual Review of Medicine</i> , 2017, 68, 69-83.	5.0	55
3148	A signature of renal stress resistance induced by short-term dietary restriction, fasting, and protein restriction. <i>Scientific Reports</i> , 2017, 7, 40901.	1.6	32
3149	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
3150	A PP2A-B55-Mediated Crosstalk between TORC1 and TORC2 Regulates the Differentiation Response in Fission Yeast. <i>Current Biology</i> , 2017, 27, 175-188.	1.8	32
3151	Multiomics Approach to Novel Therapeutic Targets for Cancer and Aging-Related Diseases: Role of Sld7 in Yeast Aging Network. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 100-113.	1.0	5
3152	Metformin targets multiple signaling pathways in cancer. <i>Chinese Journal of Cancer</i> , 2017, 36, 17.	4.9	115
3153	Protection against High-Fat-Diet-Induced Obesity in MDM2 C305F Mice Due to Reduced p53 Activity and Enhanced Energy Expenditure. <i>Cell Reports</i> , 2017, 18, 1005-1018.	2.9	49
3154	MitoQ regulates autophagy by inducing a pseudo-mitochondrial membrane potential. <i>Autophagy</i> , 2017, 13, 730-738.	4.3	60
3155	Neferine augments therapeutic efficacy of cisplatin through ROS-mediated non-canonical autophagy in human lung adenocarcinoma (A549) cells. <i>Food and Chemical Toxicology</i> , 2017, 103, 28-40.	1.8	53
3156	Glucose adsorption to chitosan membranes increases proliferation of human chondrocyte via mammalian target of rapamycin complex 1 and sterol regulatory element-binding protein 1 signaling. <i>Journal of Cellular Physiology</i> , 2017, 232, 2741-2749.	2.0	17

#	ARTICLE	IF	CITATIONS
3157	The Complex Roles of Mechanistic Target of Rapamycin in Adipocytes and Beyond. Trends in Endocrinology and Metabolism, 2017, 28, 319-339.	3.1	53
3158	Regulation of autophagy by some natural products as a potential therapeutic strategy for cardiovascular disorders. European Journal of Pharmacology, 2017, 802, 44-51.	1.7	62
3159	Rictor/mTORC2 deficiency enhances keratinocyte stress tolerance via mitohormesis. Cell Death and Differentiation, 2017, 24, 731-746.	5.0	24
3160	Considerations on mTOR regulation at serine 2448: implications for muscle metabolism studies. Cellular and Molecular Life Sciences, 2017, 74, 2537-2545.	2.4	58
3161	PAQR3 augments amino acid deprivation-induced autophagy by inhibiting mTORC1 signaling. Cellular Signalling, 2017, 33, 98-106.	1.7	9
3162	mTORC1/2 inhibition preserves ovarian function and fertility during genotoxic chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3186-3191.	3.3	118
3163	Importance of ROS-mediated autophagy in determining apoptotic cell death induced by physapubescin B. Redox Biology, 2017, 12, 198-207.	3.9	51
3164	Age-associated molecular changes are deleterious and may modulate life span through diet. Science Advances, 2017, 3, e1601833.	4.7	11
3165	Rheb Inhibits Beiging of White Adipose Tissue via PDE4D5-Dependent Downregulation of the cAMP-PKA Signaling Pathway. Diabetes, 2017, 66, 1198-1213.	0.3	39
3166	Rapamycin treatment doseâ€dependently improves the cystic kidney in a new <sc>ADPKD</sc> mouse model <i>via</i> the <sc>mTORC</sc>1 and cellâ€cycleâ€associated <sc>CDK</sc>1/cyclin axis. Journal of Cellular and Molecular Medicine, 2017, 21, 1619-1635.	1.6	33
3167	Nuclear Factor of Î²B1 Is a Key Regulator for the Transcriptional Activation of Milk Synthesis in Bovine Mammary Epithelial Cells. DNA and Cell Biology, 2017, 36, 295-302.	0.9	29
3168	Metabolic influences on RNA biology and translation. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 176-184.	2.3	3
3169	Management of Thyroid Nodules and Differentiated Thyroid Cancer. , 2017, , .		4
3170	Mesenchymal stem cells in alleviating sepsis-induced mice cardiac dysfunction via inhibition of mTORC1-p70S6K signal pathway. Cell Death Discovery, 2017, 3, 16097.	2.0	10
3171	Rhein Inhibits Autophagy in Rat Renal Tubular Cells by Regulation of AMPK/mTOR Signaling. Scientific Reports, 2017, 7, 43790.	1.6	65
3172	Everolimus suppresses invasion and migration of renal cell carcinoma by inhibiting FAK activity and reversing epithelial to mesenchymal transition in vitro and in vivo. Environmental Toxicology, 2017, 32, 1888-1898.	2.1	9
3173	Neuronal CTGF/CCN2 negatively regulates myelination in a mouse model of tuberous sclerosis complex. Journal of Experimental Medicine, 2017, 214, 681-697.	4.2	91
3174	Netrin-1 Improves Functional Recovery through Autophagy Regulation by Activating the AMPK/mTOR Signaling Pathway in Rats with Spinal Cord Injury. Scientific Reports, 2017, 7, 42288.	1.6	40

#	ARTICLE	IF	CITATIONS
3175	Sestrin 1 ameliorates cardiac hypertrophy <i>via</i> autophagy activation. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1193-1205.	1.6	40
3176	The TORC1-Sch9-Rim15 signaling pathway represses yeast-to-hypha transition in response to glycerol availability in the oleaginous yeast <i>Yarrowia lipolytica</i> . <i>Molecular Microbiology</i> , 2017, 104, 553-567.	1.2	14
3177	A new role of GCN2 in the nucleolus. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 484-491.	1.0	11
3178	Neonatal mouse hippocampus: phlebotomy-induced anemia diminishes and treatment with erythropoietin partially rescues mammalian target of rapamycin signaling. <i>Pediatric Research</i> , 2017, 82, 501-508.	1.1	12
3179	Everolimus as first line therapy for pancreatic neuroendocrine tumours: current knowledge and future perspectives. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1209-1224.	1.2	14
3180	Comparative transcriptomics support evolutionary convergence of diapause responses across insects. <i>Physiological Entomology</i> , 2017, 42, 246-256.	0.6	85
3181	PTEN Downregulation Promotes Oxidation to Fuel Hypertrophic Liver Growth After Hepatectomy in Mice. <i>Hepatology</i> , 2017, 66, 908-921.	3.6	54
3182	Conditional ablation of Raptor in the male germline causes infertility due to meiotic arrest and impaired inactivation of sex chromosomes. <i>FASEB Journal</i> , 2017, 31, 3934-3949.	0.2	16
3183	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
3184	Critical focus on mechanisms of resistance and toxicity of m-TOR inhibitors in pancreatic neuroendocrine tumors. <i>Cancer Treatment Reviews</i> , 2017, 57, 28-35.	3.4	15
3185	Everolimus immunosuppression for renal protection, reduction of allograft vasculopathy and prevention of allograft rejection in de-novo heart transplant recipients. <i>Current Opinion in Organ Transplantation</i> , 2017, 22, 198-206.	0.8	13
3186	Exogenous essential amino acids stimulate an adaptive unfolded protein response in the mammary glands of lactating cows. <i>Journal of Dairy Science</i> , 2017, 100, 5909-5921.	1.4	20
3187	Non-essential and branched-chain amino acids differentially regulate insulin-like growth factor binding protein-1 production and phosphorylation in HepG2 cells. <i>Growth Factors</i> , 2017, 35, 19-28.	0.5	2
3188	The role of miR-451 in the switching between proliferation and migration in malignant glioma cells: AMPK signaling, mTOR modulation and Rac1 activation required. <i>International Journal of Oncology</i> , 2017, 50, 1989-1999.	1.4	38
3189	Metabolome analysis of effect of aspirin on <i>Drosophila</i> lifespan extension. <i>Experimental Gerontology</i> , 2017, 95, 54-62.	1.2	22
3190	Targeting of protein translation as a new treatment paradigm for prostate cancer. <i>Current Opinion in Oncology</i> , 2017, 29, 210-220.	1.1	20
3191	Effect of Nutrition on Statural Growth. <i>Hormone Research in Paediatrics</i> , 2017, 88, 46-62.	0.8	25
3192	Reciprocal Regulation of Target of Rapamycin Complex 1 and Potassium Accumulation. <i>Journal of Biological Chemistry</i> , 2017, 292, 563-574.	1.6	11

#	ARTICLE	IF	CITATIONS
3193	Rapamycin Protects Sepsis-Induced Cognitive Impairment in Mouse Hippocampus by Enhancing Autophagy. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 1195-1205.	1.7	42
3194	The (pro)renin receptor and its interaction partners. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 1245-1256.	1.3	30
3195	Regulation of CHK1 by mTOR contributes to the evasion of DNA damage barrier of cancer cells. <i>Scientific Reports</i> , 2017, 7, 1535.	1.6	30
3196	A prospective observational study on the evaluation of everolimus-related adverse events in metastatic renal cell carcinoma after first-line anti-vascular endothelial growth factor therapy: the AFINITE study in France. <i>Supportive Care in Cancer</i> , 2017, 25, 2055-2062.	1.0	6
3197	Autophagy modulation: a potential therapeutic approach in cardiac hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H304-H319.	1.5	66
3198	Repurposing of Human Kinase Inhibitors in Neglected Protozoan Diseases. <i>ChemMedChem</i> , 2017, 12, 1235-1253.	1.6	26
3199	Addition of glycerol to lactating cow diets stimulates dry matter intake and milk protein yield to a greater extent than addition of corn grain. <i>Journal of Dairy Science</i> , 2017, 100, 6139-6150.	1.4	8
3200	Intraventricular administration of <i>Tenebrio molitor</i> larvae extract regulates food intake and body weight in mice with high-fat diet-induced obesity. <i>Nutrition Research</i> , 2017, 44, 18-26.	1.3	12
3201	Inhibition of mTOR kinase as a therapeutic target for acute myeloid leukemia. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 705-714.	1.5	25
3202	Everolimus-related adverse events in neuroendocrine tumors and comparative considerations with breast and renal cancer: a critical overview. <i>Expert Opinion on Orphan Drugs</i> , 2017, 5, 525-536.	0.5	0
3203	Genome-wide association studies for reproductive seasonality traits in Rasa Aragonesa sheep breed. <i>Theriogenology</i> , 2017, 99, 21-29.	0.9	16
3204	Neurodevelopment: The Impact of Nutrition and Inflammation During Infancy in Low-Resource Settings. <i>Pediatrics</i> , 2017, 139, S50-S58.	1.0	52
3205	20 S-Protopanaxadiol, an aglycosylated ginsenoside metabolite, induces hepatic stellate cell apoptosis through liver kinase B1-AMP-activated protein kinase activation. <i>Journal of Ginseng Research</i> , 2017, 41, 392-402.	3.0	17
3206	Role of nutrients and mTOR signaling in the regulation of pancreatic progenitors development. <i>Molecular Metabolism</i> , 2017, 6, 560-573.	3.0	40
3207	Autophagy induction by celastrol augments protection against bleomycin-induced experimental pulmonary fibrosis in rats: Role of adaptor protein p62/SQSTM1. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017, 45, 47-61.	1.1	30
3208	Branched-chain amino acids enhance cyst development in autosomal dominant polycystic kidney disease. <i>Kidney International</i> , 2017, 92, 377-387.	2.6	18
3209	Prenatal high-fat diet alters placental morphology, nutrient transporter expression, and mtorc1 signaling in rat. <i>Obesity</i> , 2017, 25, 909-919.	1.5	32
3210	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

#	ARTICLE	IF	CITATIONS
3211	Systemic Therapy for Advanced Metastatic Thyroid Cancer. , 2017, , 433-450.		0
3213	Conceptualizing Eukaryotic Metabolic Sensing and Signaling. Journal of the Indian Institute of Science, 2017, 97, 59-77.	0.9	5
3214	MicroRNA-185-5p restores glucocorticoid sensitivity by suppressing the mammalian target of rapamycin complex (mTORC) signaling pathway to enhance glucocorticoid receptor autoregulation. Leukemia and Lymphoma, 2017, 58, 2657-2667.	0.6	10
3215	Expression profile of mammalian target of rapamycin-related proteins in graft biopsy specimens: Significance for predicting interstitial fibrosis after kidney transplantation. International Journal of Urology, 2017, 24, 223-229.	0.5	5
3216	mTOR activation protects liver from ischemia/reperfusion-induced injury through NF- κ B pathway. FASEB Journal, 2017, 31, 3018-3026.	0.2	38
3217	Treatment Strategies for Metastatic Neuroendocrine Tumors of the Gastrointestinal Tract. Current Treatment Options in Oncology, 2017, 18, 14.	1.3	52
3218	Cloning, expression, purification, and characterisation of the HEAT-repeat domain of TOR from the thermophilic eukaryote Chaetomium thermophilum. Protein Expression and Purification, 2017, 133, 90-95.	0.6	1
3219	The role of the TOR pathway in mediating the link between nutrition and longevity. Mechanisms of Ageing and Development, 2017, 164, 127-138.	2.2	64
3220	T-cell Metabolism as a Target to Control Autoreactive T Cells in β -Cell Autoimmunity. Current Diabetes Reports, 2017, 17, 24.	1.7	9
3221	Adrenoceptors promote glucose uptake into adipocytes and muscle by an insulin-independent signaling pathway involving mechanistic target of rapamycin complex 2. Pharmacological Research, 2017, 116, 87-92.	3.1	30
3222	mRNA length-sensing in eukaryotic translation: reconsidering the "closed loop" and its implications for translational control. Current Genetics, 2017, 63, 613-620.	0.8	51
3223	Dietary gossypol suppressed postprandial TOR signaling and elevated ER stress pathways in turbot (<i>Scophthalmus maximus</i> L.). American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E37-E47.	1.8	35
3224	Alleviating VLDL overproduction is an important mechanism for <i>Laminaria japonica</i> polysaccharide to inhibit atherosclerosis in <i>LDL^{+/+}</i> mice with diet-induced insulin resistance. Molecular Nutrition and Food Research, 2017, 61, 1600456.	1.5	21
3225	Mechanistic aspects of mammalian cell size control. Development Growth and Differentiation, 2017, 59, 33-40.	0.6	10
3226	Mitochondrial activity and dynamics changes regarding metabolism in ageing and obesity. Mechanisms of Ageing and Development, 2017, 162, 108-121.	2.2	77
3229	Circadian Clocks and mTOR Signaling. Healthy Ageing and Longevity, 2017, , 193-210.	0.2	0
3230	Fermented Rice Germ Extract Alleviates Morphological and Functional Damage to Murine Gastrocnemius Muscle by Inactivation of AMP-Activated Protein Kinase. Journal of Medicinal Food, 2017, 20, 969-980.	0.8	6
3231	mTOR-mediated regulation of metabolism in aging. Aging Cell, 2017, 16, 1219-1233.	3.0	98

#	ARTICLE	IF	CITATIONS
3232	Integrating T cell metabolism in cancer immunotherapy. <i>Cancer Letters</i> , 2017, 411, 12-18.	3.2	30
3233	TORC1 organized in inhibited domains (TOROIDS) regulate TORC1 activity. <i>Nature</i> , 2017, 550, 265-269.	13.7	100
3234	Target of rapamycin complex 1 and Tap42-associated phosphatases are required for sensing changes in nitrogen conditions in the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular Microbiology</i> , 2017, 106, 938-948.	1.2	8
3235	Rapamycin and CHIR99021 Coordinate Robust Cardiomyocyte Differentiation From Human Pluripotent Stem Cells Via Reducing p53-Dependent Apoptosis. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	25
3236	Importance of tuberin in carcinogenesis. <i>Oncology Letters</i> , 2017, 14, 2598-2602.	0.8	3
3237	A Model of Exposure to Extreme Environmental Heat Uncovers the Human Transcriptome to Heat Stress. <i>Scientific Reports</i> , 2017, 7, 9429.	1.6	40
3238	PtdIns3P controls mTORC1 signaling through lysosomal positioning. <i>Journal of Cell Biology</i> , 2017, 216, 4217-4233.	2.3	124
3239	Augmented O-GlcNAcylation of AMP-activated kinase promotes the proliferation of LoVo cells, a colon cancer cell line. <i>Cancer Science</i> , 2017, 108, 2373-2382.	1.7	13
3240	Combination therapy using molecularly-targeted drugs modulates tumor microenvironment and impairs tumor growth in renal cell carcinoma. <i>Cancer Medicine</i> , 2017, 6, 2308-2320.	1.3	12
3241	Regulatory-associated protein of TOR (RAPTOR) alters the hormonal and metabolic composition of Arabidopsis seeds, controlling seed morphology, viability and germination potential. <i>Plant Journal</i> , 2017, 92, 525-545.	2.8	71
3242	Multilayered Reprogramming in Response to Persistent DNA Damage in <i>C. elegans</i> . <i>Cell Reports</i> , 2017, 20, 2026-2043.	2.9	44
3243	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
3244	Influence of the Novel ATP-Competitive Dual mTORC1/2 Inhibitor AZD2014 on Immune Cell Populations and Heart Allograft Rejection. <i>Transplantation</i> , 2017, 101, 2830-2840.	0.5	14
3245	Rapamycin inhibits spermatogenesis by changing the autophagy status through suppressing mechanistic target of rapamycin-p70S6 kinase in male rats. <i>Molecular Medicine Reports</i> , 2017, 16, 4029-4037.	1.1	25
3246	Metabolic Regulation of T Cell Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1011, 87-130.	0.8	5
3247	miR-150-Mediated Foxo1 Regulation Programs CD8 + T Cell Differentiation. <i>Cell Reports</i> , 2017, 20, 2598-2611.	2.9	38
3248	Genistein: Its role in metabolic diseases and cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 119, 13-22.	2.0	180
3249	Opposite feedback from mTORC1 to H-ras and K-ras4B downstream of SREBP1. <i>Scientific Reports</i> , 2017, 7, 8944.	1.6	12

#	ARTICLE	IF	CITATIONS
3250	Effects of glutamine and its precursors on the growth performance and relevant protein synthesis pathway of mirror carp <i>Cyprinus carpio</i> . <i>Fisheries Science</i> , 2017, 83, 1019-1026.	0.7	6
3251	Involvement of mTOR-autophagy in the selection of primitive mesenchymal stem cells in chitosan film 3-dimensional culture. <i>Scientific Reports</i> , 2017, 7, 10113.	1.6	14
3252	Targeting the PI3K/Akt/mTOR signalling pathway in Cystic Fibrosis. <i>Scientific Reports</i> , 2017, 7, 7642.	1.6	62
3253	Molecular Mechanisms Determining Lifespan in Short- and Long-Lived Species. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 722-734.	3.1	81
3254	<i>Dictyostelium</i> AMPK \pm regulates aggregate size and cell-type patterning. <i>Open Biology</i> , 2017, 7, 170055.	1.5	14
3255	Rictor regulates the vasculogenic mimicry of melanoma <i>via</i> the Akt/MMP2/9 pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3579-3591.	1.6	40
3256	Everolimus-induced nephrotic syndrome precipitated by interaction with voriconazole in a patient with Hodgkin's lymphoma. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2017, 42, 776-779.	0.7	2
3257	Influences of manganese on pubertal development. <i>Journal of Endocrinology</i> , 2017, 235, R33-R42.	1.2	13
3258	Maternal linuron exposure alters testicular development in male offspring rats at the whole genome level. <i>Toxicology</i> , 2017, 389, 13-20.	2.0	7
3259	Avian reovirus p17 and <i>fA</i> act cooperatively to downregulate Akt by suppressing mTORC2 and CDK2/cyclin A2 and upregulating proteasome PSMB6. <i>Scientific Reports</i> , 2017, 7, 5226.	1.6	24
3260	A system to identify inhibitors of mTOR signaling using high-resolution growth analysis in <i>Saccharomyces cerevisiae</i> . <i>GeroScience</i> , 2017, 39, 419-428.	2.1	22
3261	A marine sponge alkaloid derivative 4-chloro faspaplysin inhibits tumor growth and VEGF mediated angiogenesis by disrupting PI3K/Akt/mTOR signaling cascade. <i>Chemico-Biological Interactions</i> , 2017, 275, 47-60.	1.7	57
3262	Comment on: "Assessing Pruritus in Hidradenitis Suppurativa: A Cross-Sectional Study". <i>American Journal of Clinical Dermatology</i> , 2017, 18, 707-708.	3.3	1
3263	PMK-1 p38 MAPK promotes cadmium stress resistance, the expression of SKN-1/Nrf and DAF-16 target genes, and protein biosynthesis in <i>Caenorhabditis elegans</i> . <i>Molecular Genetics and Genomics</i> , 2017, 292, 1341-1361.	1.0	19
3264	Cellular metabolism of tumor-associated macrophages – functional impact and consequences. <i>FEBS Letters</i> , 2017, 591, 3022-3041.	1.3	51
3265	Staphylococcal enterotoxin C2 mutant drives T lymphocyte activation through PI3K/mTOR and NF- κ B signaling pathways. <i>Toxicology and Applied Pharmacology</i> , 2017, 333, 51-59.	1.3	11
3266	Placentome Nutrient Transporters and Mammalian Target of Rapamycin Signaling Proteins Are Altered by the Methionine Supply during Late Gestation in Dairy Cows and Are Associated with Newborn Birth Weight. <i>Journal of Nutrition</i> , 2017, 147, 1640-1647.	1.3	48
3267	<i>Toxoplasma gondii</i> and <i>Neospora caninum</i> induce different host cell responses at proteome-wide phosphorylation events; a step forward for uncovering the biological differences between these closely related parasites. <i>Parasitology Research</i> , 2017, 116, 2707-2719.	0.6	17

#	ARTICLE	IF	CITATIONS
3268	Cryo-EM structure of <i>Saccharomyces cerevisiae</i> target of rapamycin complex 2. <i>Nature Communications</i> , 2017, 8, 1729.	5.8	46
3269	Nanoparticle core stability and surface functionalization drive the mTOR signaling pathway in hepatocellular cell lines. <i>Scientific Reports</i> , 2017, 7, 16049.	1.6	38
3270	Roles of the Translationally Controlled Tumor Protein (TCTP) in Plant Development. <i>Results and Problems in Cell Differentiation</i> , 2017, 64, 149-172.	0.2	14
3271	MRF 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
3272	L-type amino acid transporter 1 expression is upregulated and associated with cellular proliferation in colorectal cancer. <i>Oncology Letters</i> , 2017, 14, 7410-7416.	0.8	27
3273	Acute Dietary Restriction Acts via TOR, PP2A, and Myc Signaling to Boost Innate Immunity in <i>Drosophila</i> . <i>Cell Reports</i> , 2017, 20, 479-490.	2.9	36
3274	Tumor suppressor Pcd4 attenuates Sin1 translation to inhibit invasion in colon carcinoma. <i>Oncogene</i> , 2017, 36, 6225-6234.	2.6	47
3275	Effects of rye inclusion in grower diets on immune competence-related parameters and performance in broilers. <i>Poultry Science</i> , 2017, 96, 3324-3337.	1.5	19
3276	Activation of the mTOR signaling pathway is required for asthma onset. <i>Scientific Reports</i> , 2017, 7, 4532.	1.6	57
3277	Effect of everolimus on the glucose metabolic pathway in mouse skeletal muscle cells (C2C12). <i>Metabolomics</i> , 2017, 13, 98.	1.4	12
3278	Evaluation of biofloc meal as an ingredient in diets for white shrimp <i>Litopenaeus vannamei</i> under practical conditions: Effect on growth performance, digestive enzymes and TOR signaling pathway. <i>Aquaculture</i> , 2017, 479, 516-521.	1.7	48
3279	Cryptotanshinone activates AMPK-TSC2 axis leading to inhibition of mTORC1 signaling in cancer cells. <i>BMC Cancer</i> , 2017, 17, 34.	1.1	29
3280	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
3281	The NF1 somatic mutational landscape in sporadic human cancers. <i>Human Genomics</i> , 2017, 11, 13.	1.4	203
3282	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
3283	Effects of dietary amino acid patterns on growth, feed utilization and hepatic IGF-I, TOR gene expression levels of hybrid grouper (<i>Epinephelus fuscoguttatus</i> × <i>Epinephelus lanceolatus</i>) juveniles. <i>Aquaculture</i> , 2017, 468, 508-514.	1.7	66
3284	Does any drug to treat cancer target mTOR and iron hemostasis in neurodegenerative disorders?. <i>BioMetals</i> , 2017, 30, 1-16.	1.8	21
3285	Molecular targeting of hypoxia in radiotherapy. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 45-62.	6.6	146

#	ARTICLE	IF	CITATIONS
3286	TSC1-mTOR signaling determines the differentiation of islet cells. <i>Journal of Endocrinology</i> , 2017, 232, 59-70.	1.2	17
3287	Hyperglycaemia-induced resistance to Docetaxel is negated by metformin: a role for IGFBP-2. <i>Endocrine-Related Cancer</i> , 2017, 24, 17-30.	1.6	15
3288	<i>Dictyostelium discoideum</i> : A Model System to Study Autophagy Mediated Life Extension. , 2017, , 35-55.		1
3289	Hygromycin B hypersensitive (hhy) mutants implicate an intact trans-Golgi and late endosome interface in efficient Tor1 vacuolar localization and TORC1 function. <i>Current Genetics</i> , 2017, 63, 531-551.	0.8	9
3290	Inhibition of mTOR's Catalytic Site by PKI-587 Is a Promising Therapeutic Option for Gastroenteropancreatic Neuroendocrine Tumor Disease. <i>Neuroendocrinology</i> , 2017, 105, 90-104.	1.2	20
3291	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
3292	Targeting mTOR to reduce Alzheimer-related cognitive decline: from current hits to future therapies. <i>Expert Review of Neurotherapeutics</i> , 2017, 17, 33-45.	1.4	55
3293	Effects of dietary protein and lipid levels on growth, body and plasma biochemical composition and selective gene expression in liver of hybrid snakehead (<i>Channa maculata</i> × <i>Channa argus</i>) fingerlings. <i>Aquaculture</i> , 2017, 468, 1-9.	1.7	65
3294	Prostate Cancer Cells in Different Androgen Receptor Status Employ Different Leucine Transporters. <i>Prostate</i> , 2017, 77, 222-233.	1.2	28
3295	Mitochondria-Associated Membranes (MAMs): Overview and Its Role in Parkinson's Disease. <i>Molecular Neurobiology</i> , 2017, 54, 6287-6303.	1.9	60
3296	Adaptations to excess choline in insulin resistant and Pcyt2 deficient skeletal muscle. <i>Biochemistry and Cell Biology</i> , 2017, 95, 223-231.	0.9	8
3297	A novel mechanism of mTORC1-mediated serine/glycine metabolism in osteosarcoma development. <i>Cellular Signalling</i> , 2017, 29, 107-114.	1.7	24
3298	Suppression of Sestrins in aging and osteoarthritic cartilage: dysfunction of an important stress defense mechanism. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 287-296.	0.6	35
3299	Suppression of mTOR signaling pathway promotes bone marrow mesenchymal stem cells differentiation into osteoblast in degenerative scoliosis: in vivo and in vitro. <i>Molecular Biology Reports</i> , 2017, 44, 129-137.	1.0	8
3300	Redox control of senescence and age-related disease. <i>Redox Biology</i> , 2017, 11, 91-102.	3.9	240
3301	FKBP12 enhances sensitivity to chemotherapy-induced cancer cell apoptosis by inhibiting MDM2. <i>Oncogene</i> , 2017, 36, 1678-1686.	2.6	24
3302	Decreased activation of placental mTOR family members is associated with the induction of intrauterine growth restriction by secondhand smoke in the mouse. <i>Cell and Tissue Research</i> , 2017, 367, 387-395.	1.5	17
3303	Analysis of three sugarcane homo/homeologous regions suggests independent polyploidization events of <i>Saccharum officinarum</i> and <i>Saccharum spontaneum</i> . <i>Genome Biology and Evolution</i> , 2017, 9, eww293.	1.1	42

#	ARTICLE	IF	CITATIONS
3304	The Golgi ribbon in mammalian cells negatively regulates autophagy by modulating mTOR activity. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	44
3305	Hedyotis diffusa willd extract suppresses colorectal cancer growth through multiple cellular pathways. <i>Oncology Letters</i> , 2017, 14, 8197-8205.	0.8	21
3307	Nitrogen Metabolism. , 2017, , 283-296.		0
3308	Structural insight into the Ragulator complex which anchors mTORC1 to the lysosomal membrane. <i>Cell Discovery</i> , 2017, 3, 17049.	3.1	45
3309	Trichosanthin enhances the antitumor effect of gemcitabine in nonâ€small cell lung cancer via inhibition of the PI3K/AKT pathway. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 5767-5772.	0.8	10
3310	Ribosome biogenesis protein Urb1 acts downstream of mTOR complex 1 to modulate digestive organ development in zebrafish. <i>Journal of Genetics and Genomics</i> , 2017, 44, 567-576.	1.7	19
3311	Identification of expression quantitative trait loci of MTOR associated with the progression of glioma. <i>Oncology Letters</i> , 2017, 15, 665-671.	0.8	1
3312	The Magnitude of mTORC1 Signalling May Predict the Response to Isotretinoin Treatment in Patients with Hidradenitis Suppurativa. <i>Dermatology</i> , 2017, 233, 399-400.	0.9	8
3313	Salvage Therapies for Autoimmune Hepatitis: A Critical Review. <i>Seminars in Liver Disease</i> , 2017, 37, 343-362.	1.8	10
3314	Chronic Rapamycin Treatment Improved Metabolic Phenotype but Inhibited Adipose Tissue Browning in High-Fat Diet-Fed C57BL/6J Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1352-1360.	0.6	6
3315	Antifungal Drugs: The Current Armamentarium and Development of New Agents. , 0, , 903-922.		13
3316	Emerging use of everolimus in the treatment of neuroendocrine tumors. <i>Cancer Management and Research</i> , 2017, Volume 9, 215-224.	0.9	14
3317	P7C3 Suppresses Neuroinflammation and Protects Retinal Ganglion Cells of Rats from Optic Nerve Crush. , 2017, 58, 4877.		13
3318	Formal Modeling of mTOR Associated Biological Regulatory Network Reveals Novel Therapeutic Strategy for the Treatment of Cancer. <i>Frontiers in Physiology</i> , 2017, 8, 416.	1.3	4
3319	Nutrient Sensing: Another Chemosensitivity of the Olfactory System. <i>Frontiers in Physiology</i> , 2017, 8, 468.	1.3	47
3320	The TOR Pathway Is Involved in Adventitious Root Formation in Arabidopsis and Potato. <i>Frontiers in Plant Science</i> , 2017, 8, 784.	1.7	49
3321	Transcriptional Profiling and Identification of Heat-Responsive Genes in Perennial Ryegrass by RNA-Sequencing. <i>Frontiers in Plant Science</i> , 2017, 8, 1032.	1.7	46
3322	Autophagy Maintains the Function of Bone Marrow Mesenchymal Stem Cells to Prevent Estrogen Deficiency-Induced Osteoporosis. <i>Theranostics</i> , 2017, 7, 4498-4516.	4.6	128

#	ARTICLE	IF	CITATIONS
3323	Type II Diabetes and Metabolic Syndrome as Risk Factors for Alzheimer's Disease. , 2017, , 163-199.		0
3324	Chemoresistance and targeted therapies in ovarian and endometrial cancers. <i>Oncotarget</i> , 2017, 8, 4008-4042.	0.8	145
3325	Fetal Requirements and Placental Transfer of Nitrogenous Compounds. , 2017, , 444-458.e4.		7
3326	Omics Approaches for Identifying Physiological Adaptations to Genome Instability in Aging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2329.	1.8	3
3327	MicroRNAs Associated with Von Hippel-Lindau Pathway in Renal Cell Carcinoma: A Comprehensive Review. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2495.	1.8	37
3328	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
3329	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
3330	The Architecture of the Rag GTPase Signaling Network. <i>Biomolecules</i> , 2017, 7, 48.	1.8	59
3331	TORC1-Dependent Phosphorylation Targets in Fission Yeast. <i>Biomolecules</i> , 2017, 7, 50.	1.8	42
3332	Lysosomal Regulation of mTORC1 by Amino Acids in Mammalian Cells. <i>Biomolecules</i> , 2017, 7, 51.	1.8	47
3333	The TOR Signaling Network in the Model Unicellular Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Biomolecules</i> , 2017, 7, 54.	1.8	61
3334	Ataxin-2: From RNA Control to Human Health and Disease. <i>Genes</i> , 2017, 8, 157.	1.0	65
3335	Overview of Autophagy. , 2017, , 1-122.		1
3336	Sonic Hedgehog Signaling in Thyroid Cancer. <i>Frontiers in Endocrinology</i> , 2017, 8, 284.	1.5	19
3337	Autophagy and Autophagy-Related Proteins in CNS Autoimmunity. <i>Frontiers in Immunology</i> , 2017, 8, 165.	2.2	34
3338	Consumption of Diet Containing Free Amino Acids Exacerbates Colitis in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 1587.	2.2	11
3339	Amino Acid Sensing via General Control Nonderepressible-2 Kinase and Immunological Programming. <i>Frontiers in Immunology</i> , 2017, 8, 1719.	2.2	42
3340	Herpesviral microRNAs in Cellular Metabolism and Immune Responses. <i>Frontiers in Microbiology</i> , 2017, 8, 1318.	1.5	14

#	ARTICLE	IF	CITATIONS
3341	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
3342	Emerging Therapies for Childhood Polycystic Kidney Disease. <i>Frontiers in Pediatrics</i> , 2017, 5, 77.	0.9	5
3343	Insights for Oxidative Stress and mTOR Signaling in Myocardial Ischemia/Reperfusion Injury under Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	138
3344	The Role of Autophagy in Aging. , 2017, , 123-138.		4
3345	Substrate specificity of TOR complex 2 is determined by a ubiquitin-fold domain of the Sin1 subunit. <i>ELife</i> , 2017, 6, .	2.8	51
3346	Evaluating the mTOR Pathway in Physiological and Pharmacological Settings. <i>Methods in Enzymology</i> , 2017, 587, 405-428.	0.4	4
3347	Reperfusion Therapy with Rapamycin Attenuates Myocardial Infarction through Activation of AKT and ERK. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-16.	1.9	41
3348	The eIF4E2-Directed Hypoxic Cap-Dependent Translation Machinery Reveals Novel Therapeutic Potential for Cancer Treatment. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	20
3349	mTOR-Dependent Cell Proliferation in the Brain. <i>BioMed Research International</i> , 2017, 2017, 1-14.	0.9	70
3350	Overview of Autophagy. , 2017, , 3-90.		1
3351	Ragulator and GATOR1 complexes promote fission yeast growth by attenuating TOR complex 1 through Rag GTPases. <i>ELife</i> , 2017, 6, .	2.8	31
3352	Effects of prolonged exposure to low dose metformin in thyroid cancer cell lines. <i>Journal of Cancer</i> , 2017, 8, 1053-1061.	1.2	17
3353	Identification of Linkages between EDCs in Personal Care Products and Breast Cancer through Data Integration Combined with Gene Network Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1158.	1.2	6
3354	Tunneling nanotubes promote intercellular mitochondria transfer followed by increased invasiveness in bladder cancer cells. <i>Oncotarget</i> , 2017, 8, 15539-15552.	0.8	109
3355	Downregulation of DEPTOR inhibits the proliferation, migration, and survival of osteosarcoma through PI3K/Akt/mTOR pathway. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 4379-4391.	1.0	25
3356	AMPK: Therapeutic Target for Diabetes and Cancer Prevention. <i>Current Pharmaceutical Design</i> , 2017, 23, 3629-3644.	0.9	36
3357	Hypoxia Regulates mTORC1-Mediated Keratinocyte Motility and Migration via the AMPK Pathway. <i>PLoS ONE</i> , 2017, 12, e0169155.	1.1	13
3358	Food restriction increase the expression of mTORC1 complex genes in the skeletal muscle of juvenile pacu (<i>Piaractus mesopotamicus</i>). <i>PLoS ONE</i> , 2017, 12, e0177679.	1.1	33

#	ARTICLE	IF	CITATIONS
3359	The intestinal TORC2 signaling pathway contributes to associative learning in <i>Caenorhabditis elegans</i> . PLoS ONE, 2017, 12, e0177900.	1.1	10
3360	Carbohydrate-mediated responses during zygotic and early somatic embryogenesis in the endangered conifer, <i>Araucaria angustifolia</i> . PLoS ONE, 2017, 12, e0180051.	1.1	41
3361	The ectodomain of cadherin-11 binds to erbB2 and stimulates Akt phosphorylation to promote cranial neural crest cell migration. PLoS ONE, 2017, 12, e0188963.	1.1	18
3363	Autophagy and Cancer. , 2017, , 237-244.		0
3364	Proteomic profiling of breast cancer metabolism identifies SHMT2 and ASCT2 as prognostic factors. Breast Cancer Research, 2017, 19, 112.	2.2	75
3365	Diagnosis and treatment of hyperinsulinaemic hypoglycaemia and its implications for paediatric endocrinology. International Journal of Pediatric Endocrinology (Springer), 2017, 2017, 9.	1.6	17
3366	Luteolin, a natural flavonoid, inhibits methylglyoxal induced apoptosis via the mTOR/4E-BP1 signaling pathway. Scientific Reports, 2017, 7, 7877.	1.6	24
3367	Effect of branched-chain amino acid supplementation on insulin resistance and quality of life in chronic hepatitis C patients. Biomedical Reports, 2018, 8, 85-90.	0.9	4
3368	Longevity and stress resistance are affected by activation of TOR/Myc in progenitor cells of <i>Drosophila</i> gut. Open Life Sciences, 2017, 12, 429-442.	0.6	4
3369	Insulin Signaling in Cardiac Health and Disease. , 2017, , 317-346.		1
3370	Immunologic Repercussions of Cell Death. , 2017, , 418-448.e6.		2
3371	Temporal changes in mammalian target of rapamycin (mTOR) and phosphorylated-mTOR expressions in the hippocampal CA1 region of rat with vascular dementia. Journal of Veterinary Science, 2017, 18, 11.	0.5	25
3372	Early Nutrition: Effects of Specific Nutrient Intake on Growth, Development, and Long-Term Health. , 2017, , 105-129.		0
3373	m-TOR Inhibitors in the Current Practice. Journal of Clinical & Experimental Nephrology, 2017, 02, .	0.1	2
3374	6-Phosphofructo-2-kinase/fructose-2,6-bisphosphatase isoform 3 spatially mediates autophagy through the AMPK signaling pathway. Oncotarget, 2017, 8, 80909-80922.	0.8	28
3375	Stress Response of Nutrient-Starved Cardiovascular Cells. , 2017, , 1-19.		0
3376	Construction of a rapamycin-susceptible strain of the unicellular red alga <i>Cyanidioschyzon merolae</i> for analysis of the target of rapamycin (TOR) function. Journal of General and Applied Microbiology, 2017, 63, 305-309.	0.4	10
3377	Emerging roles of microglial cathepsins in neurodegenerative disease. Brain Research Bulletin, 2018, 139, 144-156.	1.4	46

#	ARTICLE	IF	CITATIONS
3378	Exploring autophagy with Gene Ontology. <i>Autophagy</i> , 2018, 14, 419-436.	4.3	64
3379	HEPES activates a MiT/TFE-dependent lysosomal-autophagic gene network in cultured cells: A call for caution. <i>Autophagy</i> , 2018, 14, 437-449.	4.3	18
3381	Histone deacetylase (HDAC) inhibitor ACY241 enhances anti-tumor activities of antigen-specific central memory cytotoxic T lymphocytes against multiple myeloma and solid tumors. <i>Leukemia</i> , 2018, 32, 1932-1947.	3.3	95
3382	MTOR Suppresses Cigarette Smoke-Induced Epithelial Cell Death and Airway Inflammation in Chronic Obstructive Pulmonary Disease. <i>Journal of Immunology</i> , 2018, 200, 2571-2580.	0.4	79
3384	Glucocorticoids, genes and brain function. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 82, 136-168.	2.5	111
3385	A germline-specific role for the mTORC2 component Rictor in maintaining spermatogonial differentiation and intercellular adhesion in mouse testis. <i>Molecular Human Reproduction</i> , 2018, 24, 244-259.	1.3	17
3386	Targeting oncogenic Myc as a strategy for cancer treatment. <i>Signal Transduction and Targeted Therapy</i> , 2018, 3, 5.	7.1	558
3387	Overexpression of RHEB is associated with metastasis and poor prognosis in hepatocellular carcinoma. <i>Oncology Letters</i> , 2018, 15, 3838-3845.	0.8	5
3388	HLA Class II-Triggered Signaling Cascades Cause Endothelial Cell Proliferation and Migration: Relevance to Antibody-Mediated Transplant Rejection. <i>Journal of Immunology</i> , 2018, 200, 2372-2390.	0.4	44
3389	Metabolomic-Based Stratification in Prostate Cancer. <i>Molecular Pathology Library</i> , 2018, , 237-258.	0.1	1
3390	Nutritional influences on brain development. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1310-1321.	0.7	154
3391	Sestrin-Mediated Inhibition of Stress-Induced Intervertebral Disc Degradation Through the Enhancement of Autophagy. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1940-1954.	1.1	9
3392	Emerging Perspectives on mTOR Inhibitor-Associated Pneumonitis in Breast Cancer. <i>Oncologist</i> , 2018, 23, 660-669.	1.9	16
3393	The energy sensor OsSnRK1a confers broad-spectrum disease resistance in rice. <i>Scientific Reports</i> , 2018, 8, 3864.	1.6	63
3394	Is there a role of H2S in mediating health span benefits of caloric restriction?. <i>Biochemical Pharmacology</i> , 2018, 149, 91-100.	2.0	17
3395	Modulation of the secretory pathway by amino-acid starvation. <i>Journal of Cell Biology</i> , 2018, 217, 2261-2271.	2.3	23
3396	RAPTOR Controls Developmental Growth Transitions by Altering the Hormonal and Metabolic Balance. <i>Plant Physiology</i> , 2018, 177, 565-593.	2.3	66
3397	Dietary histidine requirement of juvenile blunt snout bream (<i>Megalobrama amblycephala</i>). <i>Aquaculture Nutrition</i> , 2018, 24, 1122-1132.	1.1	11

#	ARTICLE	IF	CITATIONS
3398	Resveratrol inhibits the proliferation and induces the apoptosis in ovarian cancer cells via inhibiting glycolysis and targeting AMPK/mTOR signaling pathway. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6162-6172.	1.2	94
3399	Mechanistic target of rapamycin inhibition with rapamycin induces autophagy and correlative regulation in white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture Nutrition</i> , 2018, 24, 1509-1520.	1.1	12
3400	Biallelic <i>TSC2</i> Mutations in a Patient With Chromophobe Renal Cell Carcinoma Showing Extraordinary Response to Temsirolimus. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2018, 16, 352-358.	2.3	18
3401	The <i>PP2A</i> interactor <i>TIP41</i> modulates <i>ABA</i> responses in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2018, 94, 991-1009.	2.8	28
3402	Nox4 is a Target for Tuberin Deficiency Syndrome. <i>Scientific Reports</i> , 2018, 8, 3781.	1.6	5
3403	Molecular characterization and functional analysis of components of the TOR pathway of the salmon louse, <i>Lepeophtheirus salmonis</i> (Kr�yer, 1838). <i>Experimental Parasitology</i> , 2018, 188, 83-92.	0.5	6
3404	Interplay Between Metabolic Sensors and Immune Cell Signaling. <i>Experientia Supplementum</i> (2012), 2018, 109, 115-196.	0.5	2
3405	Autophagy during ageing – from Dr Jekyll to Mr Hyde. <i>FEBS Journal</i> , 2018, 285, 2367-2376.	2.2	21
3406	Gene expression profiling in healthy newborns from diverse localities of the Czech Republic. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 401-415.	0.9	8
3407	A 5-AMP-Activated Protein Kinase Enzyme Activator, Compound 59, Induces Autophagy and Apoptosis in Human Oral Squamous Cell Carcinoma. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 123, 21-29.	1.2	8
3408	DDIT4 and Associated lncDDIT4 Modulate Th17 Differentiation through the DDIT4/TSC/mTOR Pathway. <i>Journal of Immunology</i> , 2018, 200, 1618-1626.	0.4	50
3409	Synergistic anti-proliferative effects of mTOR and MEK inhibitors in high-grade chondrosarcoma cell line OUMS-27. <i>Acta Histochemica</i> , 2018, 120, 142-150.	0.9	7
3410	O-GlcNAc: a novel regulator of immunometabolism. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 223-229.	1.0	18
3411	Inhibition of the MID1 protein complex: a novel approach targeting APP protein synthesis. <i>Cell Death Discovery</i> , 2018, 4, 4.	2.0	33
3412	The checkpoint kinase <i>TOR</i> (target of rapamycin) regulates expression of a nuclear-encoded chloroplast <i>RelA</i> SpoT homolog (<i>RSH</i>) and modulates chloroplast ribosomal <i>RNA</i> synthesis in a unicellular red alga. <i>Plant Journal</i> , 2018, 94, 327-339.	2.8	28
3413	Lessons from animal nutritionists: dietary amino acid requirement studies and considerations for healthy aging studies. <i>Annals of the New York Academy of Sciences</i> , 2018, 1418, 20-30.	1.8	5
3414	Characterization of female germline stem cells from adult mouse ovaries and the role of rapamycin on them. <i>Cytotechnology</i> , 2018, 70, 843-854.	0.7	10
3415	ATM and p53 combined analysis predicts survival in glioblastoma multiforme patients: A clinicopathologic study. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4867-4877.	1.2	10

#	ARTICLE	IF	CITATIONS
3416	Sphingomyelin in microdomains of the plasma membrane regulates amino acid-activated mTOR signal activation. <i>Cell Biology International</i> , 2018, 42, 823-831.	1.4	12
3417	EOMES-positive CD4 ⁺ T cells are increased in PTPN22 (1858T) risk allele carriers. <i>European Journal of Immunology</i> , 2018, 48, 655-669.	1.6	33
3418	New Insights Into the Role of mTOR Signaling in the Cardiovascular System. <i>Circulation Research</i> , 2018, 122, 489-505.	2.0	335
3419	Beyond regulation of pol III: Role of MAF1 in growth, metabolism, aging and cancer. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 338-343.	0.9	31
3420	Apoptosis of posterior silk gland of <i>Bombyx mori</i> during spinning period and the role of PI3K/Akt pathway. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 98, e21450.	0.6	6
3421	Arctigenin protects against steatosis in WRL68 hepatocytes through activation of phosphoinositide 3-kinase/protein kinase B and AMP-activated protein kinase pathways. <i>Nutrition Research</i> , 2018, 52, 87-97.	1.3	9
3422	Comparative transcriptomic analysis of skeletal muscle tissue during prenatal stages in Tongcheng and Yorkshire pig using RNA-seq. <i>Functional and Integrative Genomics</i> , 2018, 18, 195-209.	1.4	20
3423	¹ H, ¹⁵ N, and ¹³ C chemical shift assignments of the micelle immersed FAT C-terminal (FATC) domains of the human protein kinases ataxia-telangiectasia mutated (ATM) and DNA-dependent protein kinase catalytic subunit (DNA-PKcs) fused to the B1 domain of streptococcal protein G (GB1). <i>Biomolecular NMR Assignments</i> , 2018, 12, 149-154.	0.4	1
3424	Phosphorylation of ULK1 by AMPK is essential for mouse embryonic stem cell self-renewal and pluripotency. <i>Cell Death and Disease</i> , 2018, 9, 38.	2.7	37
3425	Metabolism as a signal generator across trans-omic networks at distinct time scales. <i>Current Opinion in Systems Biology</i> , 2018, 8, 59-66.	1.3	21
3426	New iridoids from <i>Verbascum nobile</i> and their effect on lectin-induced T cell activation and proliferation. <i>Food and Chemical Toxicology</i> , 2018, 111, 605-615.	1.8	11
3427	tRNA production links nutrient conditions to the onset of sexual differentiation through the TORC1 pathway. <i>EMBO Reports</i> , 2018, 19, .	2.0	28
3428	Liraglutide ameliorates cognitive decline by promoting autophagy via the AMP-activated protein kinase/mammalian target of rapamycin pathway in a streptozotocin-induced mouse model of diabetes. <i>Neuropharmacology</i> , 2018, 131, 316-325.	2.0	54
3429	Effect of diazoxide on Friedreich ataxia models. <i>Human Molecular Genetics</i> , 2018, 27, 992-1001.	1.4	14
3430	Culture degeneration in conidia of <i>Beauveria bassiana</i> and virulence determinants by proteomics. <i>Fungal Biology</i> , 2018, 122, 156-171.	1.1	17
3431	To Grow or Not to Grow: TOR and SnRK2 Coordinate Growth and Stress Response in Arabidopsis. <i>Molecular Cell</i> , 2018, 69, 3-4.	4.5	44
3432	Genomic Correlates of Response to Everolimus in Aggressive Radioiodine-refractory Thyroid Cancer: A Phase II Study. <i>Clinical Cancer Research</i> , 2018, 24, 1546-1553.	3.2	86
3433	SOD1 Phosphorylation by mTORC1 Couples Nutrient Sensing and Redox Regulation. <i>Molecular Cell</i> , 2018, 70, 502-515.e8.	4.5	94

#	ARTICLE	IF	CITATIONS
3434	Bayesian graphical models for computational network biology. <i>BMC Bioinformatics</i> , 2018, 19, 63.	1.2	13
3435	Metformin induces autophagy and G0/G1 phase cell cycle arrest in myeloma by targeting the AMPK/mTORC1 and mTORC2 pathways. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 63.	3.5	181
3436	Protective Effects of Notoginsenoside R1 via Regulation of the PI3K-Akt-mTOR/JNK Pathway in Neonatal Cerebral Hypoxic-Ischemic Brain Injury. <i>Neurochemical Research</i> , 2018, 43, 1210-1226.	1.6	72
3437	Dietary Protein and Preservation of Physical Functioning Among Middle-Aged and Older Adults in the Framingham Offspring Study. <i>American Journal of Epidemiology</i> , 2018, 187, 1411-1419.	1.6	36
3438	Insight on ALPPS – Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy – mechanisms: activation of mTOR pathway. <i>Hpb</i> , 2018, 20, 729-738.	0.1	8
3439	Symposium review: Amino acid uptake by the mammary glands: Where does the control lie?. <i>Journal of Dairy Science</i> , 2018, 101, 5655-5666.	1.4	41
3440	A Phase I Trial of the IGF-1R Antibody Ganitumab (AMG 479) in Combination with Everolimus (RAD001) and Panitumumab in Patients with Advanced Cancer. <i>Oncologist</i> , 2018, 23, 782-790.	1.9	19
3441	Everolimus rescues multiple cellular defects in laminopathy-patient fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4206-4211.	3.3	43
3442	Vhl Dependent Expression of REDD1 and PDK3 Proteins in Clear-Cell Renal Cell Carcinoma. <i>Journal of Medical Biochemistry</i> , 2018, 37, 31-38.	0.7	4
3443	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3296-E3304.	3.3	36
3444	Cryo-EM structure of human mTOR complex 2. <i>Cell Research</i> , 2018, 28, 518-528.	5.7	98
3445	MTOR Suppresses Environmental Particle-Induced Inflammatory Response in Macrophages. <i>Journal of Immunology</i> , 2018, 200, 2826-2834.	0.4	16
3446	Early dietary restriction in rats alters skeletal muscle tuberous sclerosis complex, ribosomal s6 and mitogen-activated protein kinase. <i>Nutrition Research</i> , 2018, 54, 93-104.	1.3	6
3447	Apoptosis and pro-death autophagy induced by a spirostanol saponin isolated from <i>Rohdea chinensis</i> (Baker) N. Tanaka (synonym <i>Tupistra chinensis</i> Baker) on HL-60 cells. <i>Phytochemistry</i> , 2018, 42, 83-89.	2.3	28
3448	Loss of the adaptor protein ShcA in endothelial cells protects against monocyte macrophage adhesion, LDL-oxidation, and atherosclerotic lesion formation. <i>Scientific Reports</i> , 2018, 8, 4501.	1.6	12
3449	Cyclic ADP-ribose as an endogenous inhibitor of the mTOR pathway downstream of dopamine receptors in the mouse striatum. <i>Journal of Neural Transmission</i> , 2018, 125, 17-24.	1.4	6
3450	Branched-chain amino acid ratios in low-protein diets regulate the free amino acid profile and the expression of hepatic fatty acid metabolism-related genes in growing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, e43-e51.	1.0	10
3451	Sesamin extends lifespan through pathways related to dietary restriction in <i>Caenorhabditis elegans</i> . <i>European Journal of Nutrition</i> , 2018, 57, 1137-1146.	1.8	18

#	ARTICLE	IF	CITATIONS
3452	Co-targeting intracellular pH and essential amino acid uptake cooperates to induce cell death of T-ALL/LL cells. <i>Leukemia and Lymphoma</i> , 2018, 59, 460-468.	0.6	5
3453	Mass transfer kinetics of biosorption of nitrogenous matter from palm oil mill effluent by aerobic granules in sequencing batch reactor. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2151-2161.	1.2	12
3454	Regulatory Pathways Controlling Female Insect Reproduction. <i>Annual Review of Entomology</i> , 2018, 63, 489-511.	5.7	345
3455	E-selectin targeted immunoliposomes for rapamycin delivery to activated endothelial cells. <i>International Journal of Pharmaceutics</i> , 2018, 548, 759-770.	2.6	31
3456	Small molecule GL-V9 protects against colitis-associated colorectal cancer by limiting NLRP3 inflammasome through autophagy. <i>Oncotarget</i> , 2018, 7, e1375640.	2.1	50
3457	Autophagy in diabetic kidney disease: regulation, pathological role and therapeutic potential. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 669-688.	2.4	186
3458	Endocrine and physiological regulation of neutral fat storage in <i>Drosophila</i> . <i>Molecular and Cellular Endocrinology</i> , 2018, 461, 165-177.	1.6	41
3459	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
3460	The effects of L-type amino acid transporter 1 on milk protein synthesis in mammary glands of dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 1687-1696.	1.4	24
3461	Stage-dependent therapeutic efficacy in PI3K/mTOR-driven squamous cell carcinoma of the skin. <i>Cell Death and Differentiation</i> , 2018, 25, 1146-1159.	5.0	31
3462	Metabolic Vulnerabilities of Prostate Cancer: Diagnostic and Therapeutic Opportunities. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a030569.	2.9	48
3463	Uncoupling of ER/Mitochondrial Oxidative Stress in mTORC1 Hyperactivation-Associated Skin Hypopigmentation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 669-678.	0.3	22
3464	Autophagy involved in the activation of the Nrf2-antioxidant system in testes of heat-exposed mice. <i>Journal of Thermal Biology</i> , 2018, 71, 142-152.	1.1	15
3465	KCC2, epileptiform synchronization, and epileptic disorders. <i>Progress in Neurobiology</i> , 2018, 162, 1-16.	2.8	58
3466	Design of Small Molecule Autophagy Modulators: A Promising Druggable Strategy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4656-4687.	2.9	25
3467	Different concentrations of docosahexanoic acid supplement during lactation result in different outcomes in preterm Sprague-Dawley rats. <i>Brain Research</i> , 2018, 1678, 367-373.	1.1	6
3468	Checks and Balances between Autophagy and Inflammasomes during Infection. <i>Journal of Molecular Biology</i> , 2018, 430, 174-192.	2.0	41
3469	Prognostic and predictive role of the PI3K/AKT/mTOR pathway in neuroendocrine neoplasms. <i>Clinical and Translational Oncology</i> , 2018, 20, 561-569.	1.2	10

#	ARTICLE	IF	CITATIONS
3470	Connecting Alzheimer's disease to diabetes: Underlying mechanisms and potential therapeutic targets. <i>Neuropharmacology</i> , 2018, 136, 160-171.	2.0	99
3471	Altered mTORC1 signalling may contribute to macrophage dysregulation in hidradenitis suppurativa. <i>Inflammation Research</i> , 2018, 67, 207-208.	1.6	4
3472	Autophagy activation is required for influenza A virus-induced apoptosis and replication. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 364-378.	1.9	74
3473	A new generation of mTORC1 inhibitor attenuates alcohol intake and reward in mice. <i>Addiction Biology</i> , 2018, 23, 713-722.	1.4	20
3474	mTOR in Down syndrome: Role in A β and tau neuropathology and transition to Alzheimer disease-like dementia. <i>Free Radical Biology and Medicine</i> , 2018, 114, 94-101.	1.3	72
3475	The receptor for advanced glycation end products: A fuel to pancreatic cancer. <i>Seminars in Cancer Biology</i> , 2018, 49, 37-43.	4.3	33
3476	Interaction between mTOR pathway inhibition and autophagy induction attenuates adriamycin-induced vascular smooth muscle cell senescence through decreased expressions of p53/p21/p16. <i>Experimental Gerontology</i> , 2018, 109, 51-58.	1.2	54
3477	The structure of mTOR complexes at a glance. <i>Precision Cancer Medicine</i> , 0, 1, 7-7.	1.8	7
3478	Conventional and emerging roles of the energy sensor Snf1/AMPK in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell</i> , 2018, 5, 482-494.	1.4	66
3479	mTOR pathway activation drives lung cell senescence and emphysema. <i>JCI Insight</i> , 2018, 3, .	2.3	142
3480	Anti-aging and Anti-aggregation Properties of Polyphenolic Compounds in <i>C. elegans</i> . <i>Current Pharmaceutical Design</i> , 2018, 24, 2107-2120.	0.9	23
3481	Congenital Hyperinsulinism: Diagnosis and Treatment Update. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2017, 9, 69-87.	0.4	91
3482	Inhibition of RPTOR overcomes resistance to EGFR inhibition in triple-negative breast cancer cells. <i>International Journal of Oncology</i> , 2018, 52, 828-840.	1.4	20
3483	PPP2R2D, a regulatory subunit of protein phosphatase γ 2A, promotes gastric cancer growth and metastasis via mechanistic target of rapamycin activation. <i>International Journal of Oncology</i> , 2018, 52, 2011-2020.	1.4	8
3484	CGEF-1 regulates mTORC1 signaling during adult longevity and stress response in <i>C. elegans</i> . <i>Oncotarget</i> , 2018, 9, 9581-9595.	0.8	7
3485	Molecular interplay between hyperactive mammalian target of rapamycin signaling and Alzheimer's disease neuropathology in the NS-Pten knockout mouse model. <i>NeuroReport</i> , 2018, 29, 1109-1113.	0.6	11
3486	mTOR Pharmacology. , 2018, , 447-447.		0
3487	Hypoxia Signaling in Cardiovascular Diseases. , 0, , .		5

#	ARTICLE	IF	CITATIONS
3488	Target of rapamycin, a master regulator of multiple signalling pathways and a potential candidate gene for crop improvement. <i>Plant Biology</i> , 2019, 21, 190-205.	1.8	28
3489	Ribosomal protein S6 kinase 1 promotes the survival of photoreceptors in retinitis pigmentosa. <i>Cell Death and Disease</i> , 2018, 9, 1141.	2.7	15
3490	Inhibition of mTOR Signalling: A Potential Anti-aging Drug Strategy. , 2018, , 151-160.		1
3491	PI3K/Akt signaling transduction pathway, erythropoiesis and glycolysis in hypoxia (Review). <i>Molecular Medicine Reports</i> , 2019, 19, 783-791.	1.1	224
3492	Sestrins are Gatekeepers in the Way from Stress to Aging and Disease. <i>Molecular Biology</i> , 2018, 52, 823-835.	0.4	12
3493	Mitochondrial VDAC1 Silencing Leads to Metabolic Rewiring and the Reprogramming of Tumour Cells into Advanced Differentiated States. <i>Cancers</i> , 2018, 10, 499.	1.7	38
3494	The Multiple Functions of the PAQosome: An R2TP- and URI1 Prefoldin-Based Chaperone Complex. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1106, 37-72.	0.8	16
3495	Regulation of Cellular Metabolism through Phase Separation of Enzymes. <i>Biomolecules</i> , 2018, 8, 160.	1.8	74
3496	Curcumin, Cardiometabolic Health and Dementia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2093.	1.2	46
3497	Protective effect of docosahexaenoic acid on lipotoxicity-mediated cell death in Schwann cells: Implication of PI3K/AKT and mTORC2 pathways. <i>Brain and Behavior</i> , 2018, 8, e01123.	1.0	19
3498	Neurodegenerative Diseases: Regenerative Mechanisms and Novel Therapeutic Approaches. <i>Brain Sciences</i> , 2018, 8, 177.	1.1	139
3499	The Golgi architecture and cell sensing. <i>Biochemical Society Transactions</i> , 2018, 46, 1063-1072.	1.6	37
3500	Rapamycin Treatment Ameliorates Age-Related Accumulation of Toxic Metabolic Intermediates in Brains of the Ts65Dn Mouse Model of Down Syndrome and Aging. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 263.	1.7	11
3501	Hyperphosphatemia Promotes Senescence of Myoblasts by Impairing Autophagy Through Ilk Overexpression, A Possible Mechanism Involved in Sarcopenia. , 2018, 9, 769.		28
3502	Quantitative proteomic analysis of xylose fermentation strain <i>Pichia stipitis</i> CBS 5776 to lignocellulosic inhibitors acetic acid, vanillin, and 5-hydroxymethylfurfural. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	2
3503	Intestinal epithelial cell-specific Raptor is essential for high fat diet-induced weight gain in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 1174-1179.	1.0	1
3504	Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-23.	1.9	32
3505	Molecular Basis and Emerging Strategies for Anti-aging Interventions. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
3506	Metabolic regulation of female puberty via hypothalamic AMPK-kisspeptin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10758-E10767.	3.3	55
3507	The Fruit Fly, <i>Drosophila melanogaster</i> : Modeling of Human Diseases (Part II). , 0, , .		12
3508	Renal cancer: new models and approach for personalizing therapy. Journal of Experimental and Clinical Cancer Research, 2018, 37, 217.	3.5	17
3509	Adipose mTORC1 Suppresses Prostaglandin Signaling and Beige Adipogenesis via the CRTC2-COX-2 Pathway. Cell Reports, 2018, 24, 3180-3193.	2.9	59
3510	Mechanisms of Dysfunction in the Aging Vasculature and Role in Age-Related Disease. Circulation Research, 2018, 123, 825-848.	2.0	344
3511	miR-99a-5p acts as tumor suppressor via targeting to mTOR and enhances RAD001-induced apoptosis in human urinary bladder urothelial carcinoma cells. OncoTargets and Therapy, 2018, Volume 11, 239-252.	1.0	47
3512	Therapeutic control of leishmaniasis by inhibitors of the mammalian target of rapamycin. PLoS Neglected Tropical Diseases, 2018, 12, e0006701.	1.3	27
3513	Autophagy: A New Mechanism of Prosurvival and Drug Resistance in Multiple Myeloma. Translational Oncology, 2018, 11, 1350-1357.	1.7	56
3514	Dietary sulfur amino acids affect jejunal cell proliferation and functions by affecting antioxidant capacity, Wnt/ β -catenin, and the mechanistic target of rapamycin signaling pathways in weaning piglets1. Journal of Animal Science, 2018, 96, 5124-5133.	0.2	27
3515	Kahweol inhibits proliferation and induces apoptosis by suppressing fatty acid synthase in HER2-overexpressing cancer cells. Food and Chemical Toxicology, 2018, 121, 326-335.	1.8	26
3516	S6K/p70S6K1 protects against tau-mediated neurodegeneration by decreasing the level of tau phosphorylated at Ser262 in a <i>Drosophila</i> model of tauopathy. Neurobiology of Aging, 2018, 71, 255-264.	1.5	6
3517	Orm/ORMDL proteins: Gate guardians and master regulators. Advances in Biological Regulation, 2018, 70, 3-18.	1.4	58
3518	Midazolam and Dexmedetomidine Affect Neuroglioma and Lung Carcinoma Cell Biology <i>In Vitro</i> and <i>In Vivo</i> . Anesthesiology, 2018, 129, 1000-1014.	1.3	65
3519	Metformin as an Adjunctive Therapy for Pancreatic Cancer: A Review of the Literature on Its Potential Therapeutic Use. Digestive Diseases and Sciences, 2018, 63, 2840-2852.	1.1	16
3520	Investigation of Novel Regulation of N-myristoyltransferase by Mammalian Target of Rapamycin in Breast Cancer Cells. Scientific Reports, 2018, 8, 12969.	1.6	11
3521	The role of mTOR-mediated signals during haemopoiesis and lineage commitment. Biochemical Society Transactions, 2018, 46, 1313-1324.	1.6	12
3522	Role of the gut, melanocortin system and malonyl-CoA in control of feed intake in non-ruminant animals. Animal Production Science, 2018, 58, 627.	0.6	5
3523	The diagnosis and clinical management of the catastrophic antiphospholipid syndrome: A comprehensive review. Journal of Autoimmunity, 2018, 92, 1-11.	3.0	143

#	ARTICLE	IF	CITATIONS
3524	Novel insights into TOR signalling in <i>Saccharomyces cerevisiae</i> through Torin2. <i>Gene</i> , 2018, 669, 15-27.	1.0	9
3525	mTORC2, but not mTORC1, is required for hippocampal mGluR-LTD and associated behaviors. <i>Nature Neuroscience</i> , 2018, 21, 799-802.	7.1	56
3526	Everolimus in the treatment of neuroendocrine tumors: efficacy, side-effects, resistance, and factors affecting its place in the treatment sequence. <i>Expert Opinion on Pharmacotherapy</i> , 2018, 19, 909-928.	0.9	53
3527	Rapamycin Inhibits the Growth and Collagen Production of Fibroblasts Derived from Human Urethral Scar Tissue. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	7
3528	Identification of differentially expressed genes associated with asthma in children based on the bioanalysis of the regulatory network. <i>Molecular Medicine Reports</i> , 2018, 18, 2153-2163.	1.1	10
3529	Food-Dependent Plasticity in <i>Caenorhabditis elegans</i> Stress-Induced Sleep Is Mediated by TOR-FOXO and TGF- β Signaling. <i>Genetics</i> , 2018, 209, 1183-1195.	1.2	27
3530	Rapamycin mediates mTOR signaling in reactive astrocytes and reduces retinal ganglion cell loss. <i>Experimental Eye Research</i> , 2018, 176, 10-19.	1.2	23
3531	Design and synthesis of alkyl substituted pyridino[2,3-D]pyrimidine compounds as PI3K/mTOR dual inhibitors with improved pharmacokinetic properties and potent in vivo antitumor activity. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3992-4000.	1.4	10
3532	Reversing age-associated arterial dysfunction: insight from preclinical models. <i>Journal of Applied Physiology</i> , 2018, 125, 1860-1870.	1.2	9
3533	mTOR-Related Brain Dysfunctions in Neuropsychiatric Disorders. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2226.	1.8	84
3534	Atypical fetal development: Fetal alcohol syndrome, nutritional deprivation, teratogens, and risk for neurodevelopmental disorders and psychopathology. <i>Development and Psychopathology</i> , 2018, 30, 1063-1086.	1.4	24
3535	Response gene to complement 32 suppresses adipose tissue thermogenic genes through inhibiting β 3-adrenergic receptor/mTORC1 signaling. <i>FASEB Journal</i> , 2018, 32, 4836-4847.	0.2	8
3536	Cytoprotective Mechanisms in Fatty Liver Preservation against Cold Ischemia Injury: A Comparison between IGL-1 and HTK. <i>International Journal of Molecular Sciences</i> , 2018, 19, 348.	1.8	14
3537	Nutrient Deprivation Elicits a Transcriptional and Translational Inflammatory Response Coupled to Decreased Protein Synthesis. <i>Cell Reports</i> , 2018, 24, 1415-1424.	2.9	62
3538	mTOR Complex 1 Implicated in Aphid/Buchnera Host/Symbiont Integration. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3083-3091.	0.8	7
3539	Role of the Inflammation-Autophagy-Senescence Integrative Network in Osteoarthritis. <i>Frontiers in Physiology</i> , 2018, 9, 706.	1.3	100
3540	Targeted Suppression and Knockout of ASCT2 or LAT1 in Epithelial and Mesenchymal Human Liver Cancer Cells Fail to Inhibit Growth. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2093.	1.8	33
3541	Remodeled cortical inhibition prevents motor seizures in generalized epilepsy. <i>Annals of Neurology</i> , 2018, 84, 436-451.	2.8	19

#	ARTICLE	IF	CITATIONS
3542	mTOR Inhibitor Therapy and Metabolic Consequences: Where Do We Stand?. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-8.	1.9	41
3543	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
3544	Growth Performance, Digestive Enzymes, and TOR Signaling Pathway of <i>Litopenaeus vannamei</i> Are Not Significantly Affected by Dietary Protein Hydrolysates in Practical Conditions. <i>Frontiers in Physiology</i> , 2018, 9, 998.	1.3	25
3545	When Dicty Met Myco, a (Not So) Romantic Story about One Amoeba and Its Intracellular Pathogen. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 529.	1.8	47
3546	The Mitotic and Metabolic Effects of Phosphatidic Acid in the Primary Muscle Cells of Turbot (<i>Scophthalmus maximus</i>). <i>Frontiers in Endocrinology</i> , 2018, 9, 221.	1.5	17
3547	Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen. <i>Frontiers in Immunology</i> , 2018, 9, 319.	2.2	87
3548	mTOR at the Transmitting and Receiving Ends in Tumor Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 578.	2.2	35
3549	DNA Damage Inducible Transcript 4 Gene: The Switch of the Metabolism as Potential Target in Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 106.	1.3	76
3550	Redesigning TOR Kinase to Explore the Structural Basis for TORC1 and TORC2 Assembly. <i>Biomolecules</i> , 2018, 8, 36.	1.8	13
3551	Role of autophagy in breast cancer and breast cancer stem cells (Review). <i>International Journal of Oncology</i> , 2018, 52, 1057-1070.	1.4	62
3552	The Role of mTOR in Neuroendocrine Tumors: Future Cornerstone of a Winning Strategy?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 747.	1.8	42
3553	mTOR Signaling and Neural Stem Cells: The Tuberous Sclerosis Complex Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1474.	1.8	20
3554	Advances in low-protein diets for swine. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 60.	2.1	147
3555	Tombusvirus RNA replication depends on the TOR pathway in yeast and plants. <i>Virology</i> , 2018, 519, 207-222.	1.1	22
3556	Sulfur Partitioning between Glutathione and Protein Synthesis Determines Plant Growth. <i>Plant Physiology</i> , 2018, 177, 927-937.	2.3	66
3557	Lysine supplement benefits the growth performance, protein synthesis, and muscle development of <i>Megalobrama amblycephala</i> fed diets with fish meal replaced by rice protein concentrate. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1159-1174.	0.9	17
3558	Endoplasmic reticulum stress-induced apoptosis in intestinal epithelial cells: a feed-back regulation by mechanistic target of rapamycin complex 1 (mTORC1). <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 38.	2.1	21
3559	Rudiment resorption as a response to starvation during larval development in the sea urchin <i>Strongylocentrotus droebachiensis</i> . <i>Canadian Journal of Zoology</i> , 2018, 96, 1178-1185.	0.4	3

#	ARTICLE	IF	CITATIONS
3560	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
3561	Expression of GRIM-19 in unexplained recurrent spontaneous abortion and possible pathogenesis. <i>Molecular Human Reproduction</i> , 2018, 24, 366-374.	1.3	13
3562	Trimethylamine- <i>N</i> -oxide promotes brain aging and cognitive impairment in mice. <i>Aging Cell</i> , 2018, 17, e12768.	3.0	168
3563	Chronic cannabis promotes pro-hallucinogenic signaling of 5-HT _{2A} receptors through Akt/mTOR pathway. <i>Neuropsychopharmacology</i> , 2018, 43, 2028-2035.	2.8	59
3564	Fluorofenidone inhibits UV _A induced senescence in human dermal fibroblasts via the mammalian target of rapamycin-dependent SIRT1 pathway. <i>Journal of Dermatology</i> , 2018, 45, 791-798.	0.6	9
3565	Chronic oral rapamycin decreases adiposity, hepatic triglycerides and insulin resistance in male mice fed a diet high in sucrose and saturated fat. <i>Experimental Physiology</i> , 2018, 103, 1469-1480.	0.9	22
3566	Anti-Cancer Effects of Radix Angelica Sinensis (Danggui) and N-Butylidenephthalide on Gastric Cancer: Implications for REDD1 Activation and mTOR Inhibition. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2231-2246.	1.1	36
3567	Accelerated triacylglycerol production without growth inhibition by overexpression of a glycerol-3-phosphate acyltransferase in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Scientific Reports</i> , 2018, 8, 12410.	1.6	51
3568	Proteomic analysis of hypothalamus and liver proteins affected by dietary L-arginine supplementation in laying hens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1553-1563.	1.0	2
3569	Rapamycin Upregulates Connective Tissue Growth Factor Expression in Hepatic Progenitor Cells Through TGF- β -Smad2 Dependent Signaling. <i>Frontiers in Pharmacology</i> , 2018, 9, 877.	1.6	18
3570	Association of serum Sestrin2 level with metabolic risk factors in newly diagnosed drug-naïve type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2018, 144, 34-41.	1.1	23
3571	Targeting T Cell Metabolism for Improvement of Cancer Immunotherapy. <i>Frontiers in Oncology</i> , 2018, 8, 237.	1.3	123
3572	So Many Roads: the Multifaceted Regulation of Autophagy Induction. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	89
3573	Ataxin β : A versatile posttranscriptional regulator and its implication in neural function. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018, 9, e1488.	3.2	22
3574	A Budding Topic. , 2018, , 389-415.		1
3575	A Boolean network of the crosstalk between IGF and Wnt signaling in aging satellite cells. <i>PLoS ONE</i> , 2018, 13, e0195126.	1.1	27
3576	Discovery and Optimization of 2-Amino-4-methylquinazoline Derivatives as Highly Potent Phosphatidylinositol 3-Kinase Inhibitors for Cancer Treatment. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6087-6109.	2.9	30
3577	Hepatic phosphorylation status of serine/threonine kinase 1, mammalian target of rapamycin signaling proteins, and growth rate in Holstein heifer calves in response to maternal supply of methionine. <i>Journal of Dairy Science</i> , 2018, 101, 8476-8491.	1.4	7

#	ARTICLE	IF	CITATIONS
3578	Tetrahydrohyperforin prevents articular cartilage degeneration and affects autophagy in rats with osteoarthritis. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 5261-5268.	0.8	5
3579	mTOR Signalling Pathway-protein Expression in Post-transplant Cutaneous Squamous-cell Carcinomas Before and After Conversion to mTOR-inhibitors. <i>Anticancer Research</i> , 2018, 38, 3319-3322.	0.5	3
3580	Sugar Signaling Under Abiotic Stress in Plants. , 2018, , 397-406.		12
3581	Translational Control in the Brain in Health and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032912.	2.3	85
3582	Investigating the effect of target of rapamycin kinase inhibition on the <i>Chlamydomonas reinhardtii</i> phosphoproteome: from known homologs to new targets. <i>New Phytologist</i> , 2019, 221, 247-260.	3.5	48
3583	Transient activation of AMPK preceding left ventricular pressure overload reduces adverse remodeling and preserves left ventricular function. <i>FASEB Journal</i> , 2019, 33, 711-721.	0.2	10
3584	Essential Physiological Differences Characterize Short- and Long-Lived Strains of <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1835-1843.	1.7	9
3585	Anti-TNF therapy modulates mTORC1 signalling in hidradenitis suppurativa. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2019, 33, e43-e45.	1.3	21
3586	Cross Talk Networks of Mammalian Target of Rapamycin Signaling With the Ubiquitin Proteasome System and Their Clinical Implications in Multiple Myeloma. <i>International Review of Cell and Molecular Biology</i> , 2019, 343, 219-297.	1.6	16
3587	The <i>Arabidopsis</i> THADA homologue modulates TOR activity and cold acclimation. <i>Plant Biology</i> , 2019, 21, 77-83.	1.8	31
3588	Dietary modulation of mitochondrial DNA damage: implications in aging and associated diseases. <i>Journal of Nutritional Biochemistry</i> , 2019, 63, 1-10.	1.9	15
3589	Molecular Targeting of Immunosuppressants Using a Bifunctional Elastin-Like Polypeptide. <i>Bioconjugate Chemistry</i> , 2019, 30, 2358-2372.	1.8	7
3590	Toward a genome-based treatment landscape for renal cell carcinoma. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 142, 141-152.	2.0	15
3591	A genome-wide transcriptional study reveals that iron deficiency inhibits the yeast TORC1 pathway. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 194414.	0.9	19
3592	Caspase-2 promotes AMPA receptor internalization and cognitive flexibility via mTORC2-AKT-GSK3 ^β signaling. <i>Nature Communications</i> , 2019, 10, 3622.	5.8	35
3593	Fasting and rapamycin: diabetes versus benevolent glucose intolerance. <i>Cell Death and Disease</i> , 2019, 10, 607.	2.7	51
3594	Mutation in the <i>Arabidopsis</i> regulatory-associated protein TOR 1B (RAPTOR1B) leads to decreased jasmonates levels in leaf tissue. <i>Plant Signaling and Behavior</i> , 2019, 14, e1649567.	1.2	5
3595	mTOR: Role in cancer, metastasis and drug resistance. <i>Seminars in Cancer Biology</i> , 2019, 59, 92-111.	4.3	299

#	ARTICLE	IF	CITATIONS
3596	FERONIA phosphorylates E3 ubiquitin ligase ATL6 to modulate the stability of 14-3-3 proteins in response to the carbon/nitrogen ratio. <i>Journal of Experimental Botany</i> , 2019, 70, 6375-6388.	2.4	44
3597	Control of Translation at the Initiation Phase During Glucose Starvation in Yeast. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4043.	1.8	20
3598	Role and Therapeutic Targeting of the PI3K/Akt/mTOR Signaling Pathway in Skin Cancer: A Review of Current Status and Future Trends on Natural and Synthetic Agents Therapy. <i>Cells</i> , 2019, 8, 803.	1.8	142
3599	Novel Genes Associated with the Development of Carotid Paragangliomas. <i>Molecular Biology</i> , 2019, 53, 547-559.	0.4	9
3600	Systemic treatment for lung carcinoids: from bench to bedside. <i>Clinical and Translational Medicine</i> , 2019, 8, 22.	1.7	15
3601	The TOR pathway modulates cytoophidium formation in <i>Schizosaccharomyces pombe</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 14686-14703.	1.6	26
3602	Cellular response to moderate chromatin architectural defects promotes longevity. <i>Science Advances</i> , 2019, 5, eaav1165.	4.7	14
3603	Stable enhancers are active in development, and fragile enhancers are associated with evolutionary adaptation. <i>Genome Biology</i> , 2019, 20, 140.	3.8	11
3604	TOR as a Regulatory Target in <i>Rhipicephalus microplus</i> Embryogenesis. <i>Frontiers in Physiology</i> , 2019, 10, 965.	1.3	5
3605	Golgi Dynamics: The Morphology of the Mammalian Golgi Apparatus in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 112.	1.8	52
3606	Rapamycin Rescues Age-Related Changes in Muscle-Derived Stem/Progenitor Cells from Progeroid Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 14, 64-76.	1.8	39
3607	Upregulated expression of the antioxidant sestrin 2 identified by transcriptomic analysis of Japanese encephalitis virus-infected SH-SY5Y neuroblastoma cells. <i>Virus Genes</i> , 2019, 55, 630-642.	0.7	14
3608	Mass transfer kinetics of phosphorus biosorption by aerobic granules. <i>Journal of Water Process Engineering</i> , 2019, 31, 100889.	2.6	20
3609	mTOR Signaling Upregulates CDC6 via Suppressing miR-3178 and Promotes the Loading of DNA Replication Helicase. <i>Scientific Reports</i> , 2019, 9, 9805.	1.6	8
3610	Novel Treatments for Polycystic Kidney Disease. <i>Translational Science of Rare Diseases</i> , 2019, 4, 77-86.	1.6	2
3611	PI3K-AKT-mTOR and NF κ B Pathways in Ovarian Cancer: Implications for Targeted Therapeutics. <i>Cancers</i> , 2019, 11, 949.	1.7	109
3612	Effects of dietary protein level on growth performance, digestive enzyme activity, and gene expressions of the TOR signaling pathway in fingerling <i>Pelteobagrus fulvidraco</i> . <i>Fish Physiology and Biochemistry</i> , 2019, 45, 1747-1757.	0.9	8
3613	RMP promotes the proliferation and radioresistance of esophageal carcinoma. <i>Journal of Cancer</i> , 2019, 10, 3698-3705.	1.2	0

#	ARTICLE	IF	CITATIONS
3614	mTORC2 Deficiency Alters the Metabolic Profile of Conventional Dendritic Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1451.	2.2	13
3615	Effect of caloric restriction and rapamycin on ovarian aging in mice. <i>GeroScience</i> , 2019, 41, 395-408.	2.1	50
3616	Oligo-carrageenan kappa increases glucose, trehalose and TOR-P and subsequently stimulates the expression of genes involved in photosynthesis, and basal and secondary metabolisms in <i>Eucalyptus globulus</i> . <i>BMC Plant Biology</i> , 2019, 19, 258.	1.6	10
3617	Milk consumption does not prevent but induces type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3200.	1.7	3
3618	Feasibility of cultivation of <i>Spinibarbus sinensis</i> with coconut oil and its effect on disease resistance (nonspecific immunity, antioxidation and mTOR and NF- κ B signaling pathways). <i>Fish and Shellfish Immunology</i> , 2019, 93, 726-731.	1.6	22
3619	Extracellular vesicles impose quiescence on residual hematopoietic stem cells in the leukemic niche. <i>EMBO Reports</i> , 2019, 20, e47546.	2.0	38
3620	What Defines NK Cell Functional Fate: Phenotype or Metabolism?. <i>Frontiers in Immunology</i> , 2019, 10, 1414.	2.2	83
3621	Research Progress in Signaling Pathways That Regulate Life Span. <i>Journal of Physics: Conference Series</i> , 2019, 1300, 012121.	0.3	0
3622	Growth factors stimulate anabolic metabolism by directing nutrient uptake. <i>Journal of Biological Chemistry</i> , 2019, 294, 17883-17888.	1.6	15
3623	Genetic Pathways of Aging and Their Relevance in the Dog as a Natural Model of Human Aging. <i>Frontiers in Genetics</i> , 2019, 10, 948.	1.1	36
3624	Ovarian damage from chemotherapy and current approaches to its protection. <i>Human Reproduction Update</i> , 2019, 25, 673-693.	5.2	309
3626	Host-induced gene silencing of BcTOR in <i>Botrytis cinerea</i> enhances plant resistance to grey mould. <i>Molecular Plant Pathology</i> , 2019, 20, 1722-1739.	2.0	35
3627	Effect of <i>Rhodopseudomonas sphaeroides</i> "Treated Wastewater on Yield, Digestive Enzymes, Antioxidants, Nonspecific Immunity, and Intestinal Microbiota of Common Carp. <i>North American Journal of Aquaculture</i> , 2019, 81, 385-398.	0.7	6
3628	Unmasking the interplay between mTOR and Nox4: novel insights into the mechanism connecting diabetes and cancer. <i>FASEB Journal</i> , 2019, 33, 14051-14066.	0.2	18
3629	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
3630	A Double Negative Feedback Loop between mTORC1 and AMPK Kinases Guarantees Precise Autophagy Induction upon Cellular Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5543.	1.8	57
3631	The Impact of Chemotherapy on the Ovaries: Molecular Aspects and the Prevention of Ovarian Damage. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5342.	1.8	44
3632	Evolutionary engineering and molecular characterization of a caffeine-resistant <i>Saccharomyces cerevisiae</i> strain. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 183.	1.7	19

#	ARTICLE	IF	CITATIONS
3633	The Axonal Membrane Protein PRC2 Inhibits PTEN and Directs Growth to Branches. <i>Cell Reports</i> , 2019, 29, 2028-2040.e8.	2.9	25
3634	Differential scaling between G1 protein production and cell size dynamics promotes commitment to the cell division cycle in budding yeast. <i>Nature Cell Biology</i> , 2019, 21, 1382-1392.	4.6	61
3635	The Autophagy-Related Protein GABARAP Is Induced during Overwintering in the Bean Bug (Hemiptera: Tj ETQq0 0.0 rgBT /Overlock 10	0.8	1
3636	<scp>TIP</scp> 30 counteracts cardiac hypertrophy and failure by inhibiting translational elongation. <i>EMBO Molecular Medicine</i> , 2019, 11, e10018.	3.3	17
3637	Regulation of Amino Acid Transport in <i>Saccharomyces cerevisiae</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	65
3638	Decoding of novel missense TSC2 gene variants using in-silico methods. <i>BMC Medical Genetics</i> , 2019, 20, 164.	2.1	4
3639	Lipid droplet-dependent fatty acid metabolism controls the immune suppressive phenotype of tumor-associated macrophages. <i>EMBO Molecular Medicine</i> , 2019, 11, e10698.	3.3	174
3640	The Hippo Signaling Pathway in Cardiac Development and Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 211.	1.8	50
3641	Therapeutic inhibition of mTORC2 rescues the behavioral and neurophysiological abnormalities associated with Pten-deficiency. <i>Nature Medicine</i> , 2019, 25, 1684-1690.	15.2	78
3643	Proteasome Inhibition Activates Autophagy-Lysosome Pathway Associated With TFEB Dephosphorylation and Nuclear Translocation. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 170.	1.8	55
3644	Vitellogenins - Yolk Gene Function and Regulation in <i>Caenorhabditis elegans</i> . <i>Frontiers in Physiology</i> , 2019, 10, 1067.	1.3	68
3645	The Influence of Early Nutrition on Brain Growth and Neurodevelopment in Extremely Preterm Babies: A Narrative Review. <i>Nutrients</i> , 2019, 11, 2029.	1.7	98
3647	Differential activation of the mTOR/autophagy pathway predicts cognitive performance in APP/PS1 mice. <i>Neurobiology of Aging</i> , 2019, 83, 105-113.	1.5	25
3648	Endoplasmic Reticulum Stress and Autophagy. , 2019, , .		3
3649	Molecular machinery and interplay of apoptosis and autophagy in coronary heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 136, 27-41.	0.9	266
3650	Expression analysis and implication of Rab1A in gastrointestinal relevant tumor. <i>Scientific Reports</i> , 2019, 9, 13384.	1.6	6
3651	Two optimized antimicrobial peptides with therapeutic potential for clinical antibiotic-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111686.	2.6	35
3652	Toll-Like Receptor 7 Activation Enhances CD8+ T Cell Effector Functions by Promoting Cellular Glycolysis. <i>Frontiers in Immunology</i> , 2019, 10, 2191.	2.2	42

#	ARTICLE	IF	CITATIONS
3653	Pib2-Dependent Feedback Control of the TORC1 Signaling Network by the Npr1 Kinase. <i>IScience</i> , 2019, 20, 415-433.	1.9	16
3654	Autophagy Modulators: Mechanistic Aspects and Drug Delivery Systems. <i>Biomolecules</i> , 2019, 9, 530.	1.8	55
3655	The Emerging Roles of mTORC1 in Macromanaging Autophagy. <i>Cancers</i> , 2019, 11, 1422.	1.7	180
3656	Effects of dietary fenugreek seed extracts on growth performance, plasma biochemical parameters, lipid metabolism, Nrf2 antioxidant capacity and immune response of juvenile blunt snout bream (<i>Megalobrama amblycephala</i>). <i>Fish and Shellfish Immunology</i> , 2019, 94, 211-219.	1.6	21
3657	dl-Methionine supplementation in a low-fishmeal diet affects the TOR/S6K pathway by stimulating ASCT2 amino acid transporter and insulin-like growth factor-I in the dorsal muscle of juvenile cobia (<i>Rachycentron canadum</i>). <i>British Journal of Nutrition</i> , 2019, 122, 734-744.	1.2	22
3658	A 2-Min Transient Ischemia Confers Cerebral Ischemic Tolerance in Non-Obese Gerbils, but Results in Neuronal Death in Obese Gerbils by Increasing Abnormal mTOR Activation-Mediated Oxidative Stress and Neuroinflammation. <i>Cells</i> , 2019, 8, 1126.	1.8	10
3659	Inhibition of TOR in <i>Chlamydomonas reinhardtii</i> Leads to Rapid Cysteine Oxidation Reflecting Sustained Physiological Changes. <i>Cells</i> , 2019, 8, 1171.	1.8	21
3660	Pleiotropic Effects of mTOR and Autophagy During Development and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 192.	1.8	83
3661	mTOR Inhibitors in Advanced Biliary Tract Cancers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 500.	1.8	23
3662	Phosphorylation of TSC2 by PKC- ζ reveals a novel signaling pathway that couples protein synthesis to mTORC1 activity. <i>Molecular and Cellular Biochemistry</i> , 2019, 456, 123-134.	1.4	16
3663	Distinct role of 4E-BP1 and S6K1 in regulating autophagy and hepatitis B virus (HBV) replication. <i>Life Sciences</i> , 2019, 220, 1-7.	2.0	13
3664	A novel PI3K/mTOR dual inhibitor, CMG002, overcomes the chemoresistance in ovarian cancer. <i>Gynecologic Oncology</i> , 2019, 153, 135-148.	0.6	45
3665	Sin1/mTORC2 regulate B cell growth and metabolism by activating mTORC1 and Myc. <i>Cellular and Molecular Immunology</i> , 2019, 16, 757-769.	4.8	21
3666	Renin-angiotensin system inhibitor attenuates oxidative stress induced human coronary artery endothelial cell dysfunction via the PI3K/AKT/mTOR pathway. <i>Archives of Medical Science</i> , 2019, 15, 152-164.	0.4	23
3667	Individual response to mTOR inhibition in delaying replicative senescence of mesenchymal stromal cells. <i>PLoS ONE</i> , 2019, 14, e0204784.	1.1	25
3668	Bacterial diet and weak cadmium stress affect the survivability of <i>Caenorhabditis elegans</i> and its resistance to severe stress. <i>Heliyon</i> , 2019, 5, e01126.	1.4	5
3669	Development of new agents for peripheral T-cell lymphoma. <i>Expert Opinion on Biological Therapy</i> , 2019, 19, 197-209.	1.4	26
3670	<p></p>Plumbagin inhibits proliferation and induces apoptosis of hepatocellular carcinoma by downregulating the expression of SIVA</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1289-1300.	2.0	21

#	ARTICLE	IF	CITATIONS
3671	<p>Gephyrin suppresses lung squamous cell carcinoma development by reducing mTOR pathway activation</p>. Cancer Management and Research, 2019, Volume 11, 5333-5341.	0.9	6
3672	Triptonide acts as a novel antiprostata cancer agent mainly through inhibition of mTOR signaling pathway. Prostate, 2019, 79, 1284-1293.	1.2	13
3673	Mutations of the AtYAK1 Kinase Suppress TOR Deficiency in Arabidopsis. Cell Reports, 2019, 27, 3696-3708.e5.	2.9	54
3674	Structure Characterization and Action Mechanism of an Antiaging New Compound from <i>Gastrodia elata</i> Blume. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	1.9	14
3675	Target of rapamycin (TOR) determines appendage size during pupa formation of the red flour beetle <i>Tribolium castaneum</i> . Journal of Insect Physiology, 2019, 117, 103902.	0.9	10
3676	Rapamycin Protects Spiral Ganglion Neurons from Gentamicin-Induced Degeneration In Vitro. JARO - Journal of the Association for Research in Otolaryngology, 2019, 20, 475-487.	0.9	14
3677	Hippo Signaling in Cancer: Lessons From Drosophila Models. Frontiers in Cell and Developmental Biology, 2019, 7, 85.	1.8	58
3678	Galangin Suppresses Renal Inflammation via the Inhibition of NF- κ B, PI3K/AKT and NLRP3 in Uric Acid Treated NRK-52E Tubular Epithelial Cells. BioMed Research International, 2019, 2019, 1-10.	0.9	26
3679	Mechanical loading stimulates hypertrophy in tissue-engineered skeletal muscle: Molecular and phenotypic responses. Journal of Cellular Physiology, 2019, 234, 23547-23558.	2.0	45
3680	Mammalian Target of Rapamycin Complex 1 Signaling Is Required for the Dedifferentiation From Biliary Cell to Bipotential Progenitor Cell in Zebrafish Liver Regeneration. Hepatology, 2019, 70, 2092-2106.	3.6	50
3681	<p>DCZ0814 induces apoptosis and G0/G1 phase cell cycle arrest in myeloma by dual inhibition of mTORC1/2</p>. Cancer Management and Research, 2019, Volume 11, 4797-4808.	0.9	2
3682	Tau Is Involved in Death of Retinal Ganglion Cells of Rats From Optic Nerve Crush. , 2019, 60, 2380.		18
3683	Hyperactive <sc>TOR</sc>1 sensitizes yeast cells to endoplasmic reticulum stress by compromising cell wall integrity. FEBS Letters, 2019, 593, 1957-1973.	1.3	15
3684	Translational regulation and deregulation in erythropoiesis. Experimental Hematology, 2019, 75, 11-20.	0.2	9
3685	Dietary tryptophan affects growth performance, digestive and absorptive enzyme activities, intestinal antioxidant capacity, and appetite and GH&“IGF axis-related gene expression of hybrid catfish (<i>Pelteobagrus vachelli</i> ™ \times <i>Leiocassis longirostris</i> ™). Fish Physiology and Biochemistry, 2019, 45, 1627-1647.	0.9	24
3686	ROS-mediated relationships between metabolism and DAF-16 subcellular localization in <i>Caenorhabditis elegans</i> revealed by a novel fluorometric method. Cellular Signalling, 2019, 62, 109330.	1.7	2
3687	Metformin inhibits metastatic breast cancer progression and improves chemosensitivity by inducing vessel normalization via PDGF-B downregulation. Journal of Experimental and Clinical Cancer Research, 2019, 38, 235.	3.5	84
3688	Understanding the Metabolic Profile of Macrophages During the Regenerative Process in Zebrafish. Frontiers in Physiology, 2019, 10, 617.	1.3	11

#	ARTICLE	IF	CITATIONS
3689	The correlation between mammalian target of rapamycin (mTOR) gene expression and sperm DNA damage among infertile patients with and without varicocele. <i>Andrologia</i> , 2019, 51, e13341.	1.0	6
3690	Metabolic Reprogramming Via Silencing of Mitochondrial VDAC1 Expression Encourages Differentiation of Cancer Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 24-37.	2.3	28
3691	Role of the PI3K/AKT/mTOR signaling pathway in ovarian cancer: Biological and therapeutic significance. <i>Seminars in Cancer Biology</i> , 2019, 59, 147-160.	4.3	394
3692	Growth performance, intestinal morphology, hepatopancreatic antioxidant capacity and growth-related gene mRNA expressions of juvenile grass carp (<i>Ctenopharyngodon idellus</i>) as affected by graded levels of dietary arginine. <i>Aquaculture Nutrition</i> , 2019, 25, 1124-1134.	1.1	10
3693	Mutant p53 and Cellular Stress Pathways: A Criminal Alliance That Promotes Cancer Progression. <i>Cancers</i> , 2019, 11, 614.	1.7	51
3694	Mammalian Target of Rapamycin at the Crossroad Between Alzheimer's Disease and Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1128, 185-225.	0.8	21
3695	Nutrigenomics as a tool to study the impact of diet on aging and age-related diseases: the <i>Drosophila</i> approach. <i>Genes and Nutrition</i> , 2019, 14, 12.	1.2	26
3696	Modelling of Neuronal Ceroid Lipofuscinosis Type 2 in <i>Dictyostelium discoideum</i> Suggests That Cytopathological Outcomes Result from Altered TOR Signalling. <i>Cells</i> , 2019, 8, 469.	1.8	15
3698	The mTORC1/4EBP1/PPAR β Axis Mediates Insulin-Induced Lipogenesis by Regulating Lipogenic Gene Expression in Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6007-6018.	2.4	16
3699	Regulatory-Associated Protein of TOR 1B (RAPTOR1B) regulates hormonal switches during seed germination in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2019, 14, 1613130.	1.2	4
3700	Phosphatidylinositol 5 Phosphate 4-Kinase Regulates Plasma-Membrane PIP3 Turnover and Insulin Signaling. <i>Cell Reports</i> , 2019, 27, 1979-1990.e7.	2.9	39
3701	Rapamycin-mediated mTOR inhibition impairs silencing of sex chromosomes and the pachytene piRNA pathway in the mouse testis. <i>Aging</i> , 2019, 11, 185-208.	1.4	5
3702	Molecular mechanisms relating to amino acid regulation of protein synthesis. <i>Nutrition Research Reviews</i> , 2019, 32, 183-191.	2.1	24
3703	Influenza a virus-triggered autophagy decreases the pluripotency of human-induced pluripotent stem cells. <i>Cell Death and Disease</i> , 2019, 10, 337.	2.7	19
3704	Comparison of anti-peritoneal fibrotic effects between an mTORC1-specific blocker and a PI3K/mTOR dual-blocker. <i>Renal Failure</i> , 2019, 41, 267-277.	0.8	0
3705	Honokiol for cancer therapeutics: A traditional medicine that can modulate multiple oncogenic targets. <i>Pharmacological Research</i> , 2019, 144, 192-209.	3.1	131
3706	Identification of Novel Components of Target-of-Rapamycin Signaling Pathway by Network-Based Multi-Omics Integrative Analysis. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 274-284.	1.0	1
3707	Periostin in the Kidney. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1132, 99-112.	0.8	21

#	ARTICLE	IF	CITATIONS
3708	Target of Rapamycin kinase: central regulatory hub for plant growth and metabolism. <i>Journal of Experimental Botany</i> , 2019, 70, 2211-2216.	2.4	59
3709	The mTOR pathway: Implications for DNA replication. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 147, 17-25.	1.4	31
3710	Deacetylation of S6 kinase promotes high glucose-induced glomerular mesangial cell hypertrophy and matrix protein accumulation. <i>Journal of Biological Chemistry</i> , 2019, 294, 9440-9460.	1.6	16
3711	microRNA 92b-3p regulates primordial follicle assembly by targeting TSC1 in neonatal mouse ovaries. <i>Cell Cycle</i> , 2019, 18, 824-833.	1.3	12
3712	Chemoproteomic Selectivity Profiling of PI3K and PI3K Kinase Inhibitors. <i>ACS Chemical Biology</i> , 2019, 14, 655-664.	1.6	21
3713	Phosphorylation of AKT serine/threonine kinase and abundance of milk protein synthesis gene networks in mammary tissue in response to supply of methionine in periparturient Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 4264-4274.	1.4	21
3714	Epimagnolin targeting on an active pocket of mammalian target of rapamycin suppressed cell transformation and colony growth of lung cancer cells. <i>Molecular Carcinogenesis</i> , 2019, 58, 1221-1233.	1.3	10
3715	Loss of heterozygosity by SCRaMble. <i>Science China Life Sciences</i> , 2019, 62, 381-393.	2.3	25
3716	A role for TOR signaling at every stage of plant life. <i>Journal of Experimental Botany</i> , 2019, 70, 2285-2296.	2.4	21
3717	Methionine supply during the periparturient period enhances insulin signaling, amino acid transporters, and mechanistic target of rapamycin pathway proteins in adipose tissue of Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 4403-4414.	1.4	25
3718	Dimethylaminomicheliolide ameliorates peritoneal fibrosis through the activation of autophagy. <i>Journal of Molecular Medicine</i> , 2019, 97, 659-674.	1.7	21
3719	Fluorescence imaging-based methods for single-cell protein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4339-4347.	1.9	7
3720	Apatinib Promotes Apoptosis of Pancreatic Cancer Cells through Downregulation of Hypoxia-Inducible Factor-1 and Increased Levels of Reactive Oxygen Species. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	15
3721	Aldosterone Modulates the Mechanistic Target of Rapamycin Signaling in Male Mice. <i>Endocrinology</i> , 2019, 160, 716-728.	1.4	5
3722	Individual culture and atmospheric oxygen during culture affect mouse preimplantation embryo metabolism and post-implantation development. <i>Reproductive BioMedicine Online</i> , 2019, 39, 3-18.	1.1	25
3723	Role of mTOR signaling in the regulation of high glucose-induced podocyte injury. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 2495-2502.	0.8	11
3724	Abnormal mTORC1 signaling leads to retinal pigment epithelium degeneration. <i>Theranostics</i> , 2019, 9, 1170-1180.	4.6	37
3725	Lifespan Extension in <i>C. elegans</i> Caused by Bacterial Colonization of the Intestine and Subsequent Activation of an Innate Immune Response. <i>Developmental Cell</i> , 2019, 49, 100-117.e6.	3.1	83

#	ARTICLE	IF	CITATIONS
3726	ST2/MyD88 Deficiency Protects Mice against Acute Graft-versus-Host Disease and Spares Regulatory T Cells. <i>Journal of Immunology</i> , 2019, 202, 3053-3064.	0.4	12
3728	ZY0511, a novel, potent and selective LSD1 inhibitor, exhibits anticancer activity against solid tumors via the DDIT4/mTOR pathway. <i>Cancer Letters</i> , 2019, 454, 179-190.	3.2	35
3729	Yeast Ataxin-2 Forms an Intracellular Condensate Required for the Inhibition of TORC1 Signaling during Respiratory Growth. <i>Cell</i> , 2019, 177, 697-710.e17.	13.5	73
3730	Megakaryocytic dysfunction in immune thrombocytopenia is linked to autophagy. <i>Cancer Cell International</i> , 2019, 19, 59.	1.8	35
3731	The secret messages between mitochondria and nucleus in muscle cell biology. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 52-62.	1.4	33
3732	Sphingolipids and membrane targets for therapeutics. <i>Current Opinion in Chemical Biology</i> , 2019, 50, 19-28.	2.8	14
3733	Rab1A promotes proliferation and migration abilities via regulation of the HER2/AKT-independent mTOR/S6K1 pathway in colorectal cancer. <i>Oncology Reports</i> , 2019, 41, 2717-2728.	1.2	21
3734	Novel Therapeutic Approaches and Targets Currently Under Evaluation for Renal Cell Carcinoma: Waiting for the Revolution. <i>Clinical Drug Investigation</i> , 2019, 39, 503-519.	1.1	26
3735	Targeting mTOR in Acute Lymphoblastic Leukemia. <i>Cells</i> , 2019, 8, 190.	1.8	44
3736	Antioxidant responses to salinity stress in an invasive species, the red-eared slider (<i>Trachemys scripta</i>) Tj ETQq1 1 0.784314 rgBT /Overl Part - C: Toxicology and Pharmacology, 2019, 219, 59-67.	1.3	16
3737	The MTOR signaling pathway regulates macrophage differentiation from mouse myeloid progenitors by inhibiting autophagy. <i>Autophagy</i> , 2019, 15, 1150-1162.	4.3	44
3738	Environmental stresses suppress nonsense-mediated mRNA decay (NMD) and affect cells by stabilizing NMD-targeted gene expression. <i>Scientific Reports</i> , 2019, 9, 1279.	1.6	14
3739	Differential effects of intrauterine growth restriction and a hypersinsulinemic-isoglycemic clamp on metabolic pathways and insulin action in the fetal liver. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R427-R440.	0.9	23
3740	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
3741	Lipid droplet biogenesis regulated by the FgNem1/Spo7â€FgPah1 phosphatase cascade plays critical roles in fungal development and virulence in <i>Fusarium graminearum</i> . <i>New Phytologist</i> , 2019, 223, 412-429.	3.5	32
3742	PIK3CA in cancer: The past 30 years. <i>Seminars in Cancer Biology</i> , 2019, 59, 36-49.	4.3	122
3743	Thioredoxinâ€interacting protein deficiency alleviates phenotypic alterations of podocytes via inhibition of mTOR activation in diabetic nephropathy. <i>Journal of Cellular Physiology</i> , 2019, 234, 16485-16502.	2.0	21
3744	Activation of mTORC1 in subchondral bone preosteoblasts promotes osteoarthritis by stimulating bone sclerosis and secretion of CXCL12. <i>Bone Research</i> , 2019, 7, 5.	5.4	63

#	ARTICLE	IF	CITATIONS
3745	Autophagy inhibition potentiates the anti-angiogenic property of multikinase inhibitor anlotinib through JAK2/STAT3/VEGFA signaling in non-small cell lung cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 71.	3.5	103
3746	Balancing mTOR Signaling and Autophagy in the Treatment of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 728.	1.8	151
3747	Berberine as a potential autophagy modulator. <i>Journal of Cellular Physiology</i> , 2019, 234, 14914-14926.	2.0	85
3748	Constitutive activation of Notch2 signalling confers chemoresistance to neural stem cells via transactivation of fibroblast growth factor receptor-1. <i>Stem Cell Research</i> , 2019, 35, 101390.	0.3	12
3749	Trehalose as a promising therapeutic candidate for the treatment of Parkinson's disease. <i>British Journal of Pharmacology</i> , 2019, 176, 1173-1189.	2.7	73
3750	Sin1-mediated mTOR signaling in cell growth, metabolism and immune response. <i>National Science Review</i> , 2019, 6, 1149-1162.	4.6	11
3752	Low-Dose Sirolimus Immunoregulation Therapy in Patients with Active Rheumatoid Arthritis: A 24-Week Follow-Up of the Randomized, Open-Label, Parallel-Controlled Trial. <i>Journal of Immunology Research</i> , 2019, 2019, 1-10.	0.9	14
3753	The Role of Tumor Microenvironment in Genomic Instability of Malignant Tumors. <i>Frontiers in Genetics</i> , 2019, 10, 1063.	1.1	41
3754	The role of mammalian target of rapamycin pathway in the pathogenesis of pauci-immune glomerulonephritis. <i>Renal Failure</i> , 2019, 41, 907-913.	0.8	2
3755	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
3756	Genetic interactions between Protein Kinase D and Lobe mutants during eye development of <i>Drosophila melanogaster</i> . <i>Hereditas</i> , 2019, 156, 37.	0.5	1
3757	mTOR Inhibitors. , 2019, , 261-282.		0
3758	Vasoactive Intestinal Peptide induces glucose and neutral amino acid uptake through mTOR signalling in human cytotrophoblast cells. <i>Scientific Reports</i> , 2019, 9, 17152.	1.6	11
3759	mTORC1 as a Regulator of Mitochondrial Functions and a Therapeutic Target in Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1373.	1.3	130
3760	Concurrent activation of growth factor and nutrient arms of mTORC1 induces oxidative liver injury. <i>Cell Discovery</i> , 2019, 5, 60.	3.1	14
3761	Pharmacodynamic Monitoring of mTOR Inhibitors. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 160-167.	1.0	10
3762	Orexin-A Stimulates Insulin Secretion Through the Activation of the OX1 Receptor and Mammalian Target of Rapamycin in Rat Insulinoma Cells. <i>Pancreas</i> , 2019, 48, 568-573.	0.5	4
3763	Germline NPM1 mutations lead to altered rRNA 2'-O-methylation and cause dyskeratosis congenita. <i>Nature Genetics</i> , 2019, 51, 1518-1529.	9.4	84

#	ARTICLE	IF	CITATIONS
3764	The Neglectable Impact of Delayed Graft Function on Long-term Graft Survival in Kidneys Donated After Circulatory Death Associates With Superior Organ Resilience. <i>Annals of Surgery</i> , 2019, 270, 877-883.	2.1	32
3765	Effects of Antirejection Drugs on Innate Immune Cells After Kidney Transplantation. <i>Frontiers in Immunology</i> , 2019, 10, 2978.	2.2	32
3766	A Photostable AIEgen for Specific and Real-time Monitoring of Lysosomal Processes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1662-1666.	1.7	16
3767	The Slr2-MAPK pathway is involved in the mechanism by which target of rapamycin regulates cell wall components in <i>Ganoderma lucidum</i> . <i>Fungal Genetics and Biology</i> , 2019, 123, 70-77.	0.9	15
3768	Exosome Release Is Regulated by mTORC1. <i>Advanced Science</i> , 2019, 6, 1801313.	5.6	90
3769	mTOR as a central hub of nutrient signalling and cell growth. <i>Nature Cell Biology</i> , 2019, 21, 63-71.	4.6	698
3770	Pterostilbene protects against acetaminophen-induced liver injury by restoring impaired autophagic flux. <i>Food and Chemical Toxicology</i> , 2019, 123, 536-545.	1.8	27
3771	Reduced Purkinje cell size is compatible with near normal morphology and function of the cerebellar cortex in a mouse model of spinocerebellar ataxia. <i>Experimental Neurology</i> , 2019, 311, 205-212.	2.0	15
3772	Partial replacement of fishmeal by fermented soybean meal in diets for juvenile white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture Nutrition</i> , 2019, 25, 145-153.	1.1	19
3773	Autophagy and its role in pulmonary hypertension. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 1027-1033.	1.4	5
3774	Dysregulation of autophagy and stress granule-related proteins in stress-driven Tau pathology. <i>Cell Death and Differentiation</i> , 2019, 26, 1411-1427.	5.0	80
3775	The lipid strategies in <i>Cunninghamella echinulata</i> for an allostatic response to temperature changes. <i>Process Biochemistry</i> , 2019, 76, 85-94.	1.8	13
3776	Cyclin B1/CDK1-regulated mitochondrial bioenergetics in cell cycle progression and tumor resistance. <i>Cancer Letters</i> , 2019, 443, 56-66.	3.2	107
3777	Congenital Hyperinsulinism. <i>Contemporary Endocrinology</i> , 2019, , .	0.3	1
3778	Sestrin-like protein from <i>Dictyostelium discoideum</i> is involved in autophagy under starvation stress. <i>Microbiological Research</i> , 2019, 220, 61-71.	2.5	12
3779	Inhibition of TOR signalling in <i>lea1</i> mutant induces apoptosis in <i>Saccharomyces cerevisiae</i> . <i>Annals of Microbiology</i> , 2019, 69, 341-352.	1.1	2
3780	The Molecular and Clinical Landscape of Pancreatic Neuroendocrine Tumors. <i>Pancreas</i> , 2019, 48, 9-21.	0.5	17
3781	Differential and convergent utilization of autophagy components by positive-strand RNA viruses. <i>PLoS Biology</i> , 2019, 17, e2006926.	2.6	71

#	ARTICLE	IF	CITATIONS
3782	Medical Management of Hyperinsulinism. <i>Contemporary Endocrinology</i> , 2019, , 71-83.	0.3	1
3783	Effect of <i>Clostridium butyricum</i> in different forms on growth performance, disease resistance, expression of genes involved in immune responses and mTOR signaling pathway of <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 87, 13-21.	1.6	46
3784	Halcyon days of TOR: Reflections on the multiple independent discovery of the yeast and mammalian TOR proteins. <i>Gene</i> , 2019, 692, 145-155.	1.0	10
3785	Excised linear introns regulate growth in yeast. <i>Nature</i> , 2019, 565, 606-611.	13.7	118
3786	Target of Rapamycin (TOR) Regulates the Expression of lncRNAs in Response to Abiotic Stresses in Cotton. <i>Frontiers in Genetics</i> , 2018, 9, 690.	1.1	30
3787	Targeting the mTOR Signaling Pathway Utilizing Nanoparticles: A Critical Overview. <i>Cancers</i> , 2019, 11, 82.	1.7	34
3788	Target of rapamycin signaling modulates starch accumulation via glycogenin phosphorylation status in the unicellular red alga <i>Cyanidioschyzon merolae</i> . <i>Plant Journal</i> , 2019, 97, 485-499.	2.8	28
3789	Ferulic Acid Produced by <i>Lactobacillus fermentum</i> Influences Developmental Growth Through a dTOR-Mediated Mechanism. <i>Molecular Biotechnology</i> , 2019, 61, 1-11.	1.3	21
3790	Xylooligosaccharides benefits the growth, digestive functions and TOR signaling in <i>Megalobrama amblycephala</i> fed diets with fish meal replaced by rice protein concentrate. <i>Aquaculture</i> , 2019, 500, 417-428.	1.7	33
3791	Role of Mammalian Target of Rapamycin in Muscle Growth. , 2019, , 251-261.		2
3792	Previously uncharacterized amino acid residues in histone H3 and H4 mutants with roles in DNA damage repair response and cellular aging. <i>FEBS Journal</i> , 2019, 286, 1154-1173.	2.2	6
3793	Nitrogen storage and cycling in trees. <i>Advances in Botanical Research</i> , 2019, 89, 127-155.	0.5	14
3794	<i>Legionella pneumophila</i> infection-mediated regulation of RICTOR via miR-218 in U937 macrophage cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 608-613.	1.0	4
3795	Targeting autophagy using metallic nanoparticles: a promising strategy for cancer treatment. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1215-1242.	2.4	139
3796	Promininlike, a homolog of mammalian CD133, suppresses <i>Imp6</i> and TOR signaling to maintain body size and weight in <i>Drosophila</i> . <i>FASEB Journal</i> , 2019, 33, 2646-2658.	0.2	7
3797	mTORC2 deficiency in cutaneous dendritic cells potentiates CD8+ effector T cell responses and accelerates skin graft rejection. <i>American Journal of Transplantation</i> , 2019, 19, 646-661.	2.6	9
3798	Mechanistic/mammalian target of rapamycin: Recent pathological aspects and inhibitors. <i>Medicinal Research Reviews</i> , 2019, 39, 631-664.	5.0	27
3799	Characterization of Maf1 in <i>Arabidopsis</i> : function under stress conditions and regulation by the TOR signaling pathway. <i>Planta</i> , 2019, 249, 527-542.	1.6	20

#	ARTICLE	IF	CITATIONS
3800	TAK1 mediates convergence of cellular signals for death and survival. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 3-20.	2.2	53
3801	Combination of Soy Protein, Amylopectin, and Chromium Stimulates Muscle Protein Synthesis by Regulation of Ubiquitin-Proteasome Proteolysis Pathway after Exercise. Biological Trace Element Research, 2019, 190, 140-149.	1.9	4
3802	KRAS, YAP, and obesity in pancreatic cancer: A signaling network with multiple loops. Seminars in Cancer Biology, 2019, 54, 50-62.	4.3	55
3803	Toward an Integrated Understanding of Retrograde Control of Photosynthesis. Antioxidants and Redox Signaling, 2019, 30, 1186-1205.	2.5	17
3804	Roles of the insulin signaling pathway in insect development and organ growth. Peptides, 2019, 122, 169923.	1.2	84
3805	Post-translational regulation of planarian regeneration. Seminars in Cell and Developmental Biology, 2019, 87, 58-68.	2.3	6
3806	Branched-Chain Amino Acids Have Equivalent Effects to Other Essential Amino Acids on Lifespan and Aging-Related Traits in Drosophila. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 24-31.	1.7	49
3807	Epidermal mammalian target of rapamycin complex 2 controls lipid synthesis and filaggrin processing in epidermal barrier formation. Journal of Allergy and Clinical Immunology, 2020, 145, 283-300.e8.	1.5	24
3808	Morpholine as a privileged structure: A review on the medicinal chemistry and pharmacological activity of morpholine containing bioactive molecules. Medicinal Research Reviews, 2020, 40, 709-752.	5.0	138
3809	Modification of nutritional values and flavor qualities of muscle of swimming crab (Portunus) Tj ETQq1 1 0.784314 4.2 / Overlock 10 46		
3811	CSF-1 in Osteocytes Inhibits Nox4-mediated Oxidative Stress and Promotes Normal Bone Homeostasis. JBMR Plus, 2020, 4, e10080.	1.3	26
3812	Silencing of RHEB inhibits cell proliferation and promotes apoptosis in colorectal cancer cells via inhibition of the mTOR signaling pathway. Journal of Cellular Physiology, 2020, 235, 442-453.	2.0	25
3813	PTEN expression and mutations in TSC1, TSC2 and MTOR are associated with response to rapalogs in patients with renal cell carcinoma. International Journal of Cancer, 2020, 146, 1435-1444.	2.3	14
3814	Neoplasms of the Kidney. , 2020, , 83-163.e23.		2
3815	Iron Overload Impairs Autophagy: Effects of Rapamycin in Ameliorating Iron-Related Memory Deficits. Molecular Neurobiology, 2020, 57, 1044-1054.	1.9	16
3817	New insights into the role of mTORC1 in male fertility in zebrafish. General and Comparative Endocrinology, 2020, 286, 113306.	0.8	1
3818	Partial substitution of fish meal with soy protein concentrate in commercial diets for juvenile swimming crab, Portunus trituberculatus. Animal Feed Science and Technology, 2020, 259, 114290.	1.1	19
3819	Circulating Lysophosphatidylcholines, Phosphatidylcholines, Ceramides, and Sphingomyelins and Ovarian Cancer Risk: A 23-Year Prospective Study. Journal of the National Cancer Institute, 2020, 112, 628-636.	3.0	34

#	ARTICLE	IF	CITATIONS
3820	Loss of chromatin structural integrity is a source of stress during aging. <i>Human Genetics</i> , 2020, 139, 371-380.	1.8	5
3821	A Drug Repurposing and Protein-Protein Interaction Network Study of Ribosomopathies Using Yeast as a Model System. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 96-109.	1.0	4
3822	Loss of TSC complex enhances gluconeogenesis via upregulation of <i>Dlk1-Dio3</i> locus miRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1524-1532.	3.3	8
3823	The Redox Theory of Development. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 715-740.	2.5	37
3824	Mammalian target of rapamycin is activated in the kidneys of patients with scleroderma renal crisis. <i>Journal of Scleroderma and Related Disorders</i> , 2020, 5, 152-158.	1.0	2
3825	Effects of fullerene C60 in blue mussels: Role of mTOR in autophagy related cellular/tissue alterations. <i>Chemosphere</i> , 2020, 246, 125707.	4.2	14
3826	Effects and Mechanisms of Traditional Chinese Herbal Medicine in the Treatment of Ischemic Cardiomyopathy. <i>Pharmacological Research</i> , 2020, 151, 104488.	3.1	20
3827	Cathepsin K inhibition-induced mitochondrial ROS enhances sensitivity of cancer cells to anti-cancer drugs through USP27x-mediated Bim protein stabilization. <i>Redox Biology</i> , 2020, 30, 101422.	3.9	29
3828	Growth and metabolic responses of juvenile grouper (<i>Epinephelus coioides</i>) to dietary methionine/cystine ratio at constant sulfur amino acid levels. <i>Aquaculture</i> , 2020, 518, 734869.	1.7	16
3829	Post-transcriptional gene regulation regulates germline stem cell to oocyte transition during <i>Drosophila</i> oogenesis. <i>Current Topics in Developmental Biology</i> , 2020, 140, 3-34.	1.0	24
3830	Sustained activation of autophagy suppresses adipocyte maturation via a lipolysis-dependent mechanism. <i>Autophagy</i> , 2020, 16, 1668-1682.	4.3	34
3831	β -guanidinopropionic acid and metformin differentially impact autophagy, mitochondria and cellular morphology in developing C2C12 muscle cells. <i>Journal of Muscle Research and Cell Motility</i> , 2020, 41, 221-237.	0.9	6
3832	Notch3 promotes 3T3-L1 preadipocytes differentiation by upregulating the expression of LARS to activate the mTOR pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1116-1127.	1.6	9
3833	Parental dietary protein-to-carbohydrate ratio affects offspring lifespan and metabolism in <i>Drosophila</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 241, 110622.	0.8	15
3834	tRNA wobble-uridine modifications as amino acid sensors and regulators of cellular metabolic state. <i>Current Genetics</i> , 2020, 66, 475-480.	0.8	16
3835	Acadesine Circumvents Azacitidine Resistance in Myelodysplastic Syndrome and Acute Myeloid Leukemia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 164.	1.8	8
3836	P2Y Purinergic Receptors, Endothelial Dysfunction, and Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6855.	1.8	24
3837	Sestrin family - the stem controlling healthy ageing. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111379.	2.2	15

#	ARTICLE	IF	CITATIONS
3838	Inositol-requiring enzyme 1 \pm links palmitate-induced mTOR activation and lipotoxicity in hepatocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1130-C1140.	2.1	8
3839	Identifying the Related Genes of Muscle Growth and Exploring the Functions by Compensatory Growth in Mandarin Fish (<i>Siniperca chuatsi</i>). <i>Frontiers in Physiology</i> , 2020, 11, 553563.	1.3	15
3840	Insulin resistance and bioenergetic manifestations: Targets and approaches in Alzheimer's disease. <i>Life Sciences</i> , 2020, 262, 118401.	2.0	27
3841	Prospects of tangeretin as a modulator of cancer targets/pathways. <i>Pharmacological Research</i> , 2020, 161, 105202.	3.1	36
3842	Cell Senescence, Multiple Organelle Dysfunction and Atherosclerosis. <i>Cells</i> , 2020, 9, 2146.	1.8	42
3843	Optimal H ₂ O ₂ preconditioning to improve bone marrow mesenchymal stem cells [™] engraftment in wound healing. <i>Stem Cell Research and Therapy</i> , 2020, 11, 434.	2.4	35
3844	Targeted Therapies in the Management of Well-Differentiated Digestive and Lung Neuroendocrine Neoplasms. <i>Current Treatment Options in Oncology</i> , 2020, 21, 96.	1.3	2
3845	Cyclical fasting and refeeding is not an advisable feeding strategy for white shrimp (<i>Penaeus</i>) Tj ETQq1 1 0.784314 _{0.7} /Overlock 10 ₄	0.7	4
3846	The Interconnections Between Somatic and Ovarian Aging in Murine Models. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1579-1586.	1.7	11
3847	Interferon- γ Enhances the Differentiation of Naive B Cells into Plasmablasts via the mTORC1 Pathway. <i>Cell Reports</i> , 2020, 33, 108211.	2.9	29
3848	Azospirillum brasilense Sp245 lipopolysaccharides induce target of rapamycin signaling and growth in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Physiology</i> , 2020, 253, 153270.	1.6	5
3849	Inflammatory and immune mechanisms underlying epileptogenesis and epilepsy: From pathogenesis to treatment target. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 82, 65-79.	0.9	40
3850	The adipokine NimrodB5 regulates peripheral hematopoiesis in <i>Drosophila</i> . <i>FEBS Journal</i> , 2020, 287, 3399-3426.	2.2	31
3851	Regulation of Hematopoietic Stem Cell Fate and Malignancy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4780.	1.8	9
3852	AIMTOR, a BRET biosensor for live imaging, reveals subcellular mTOR signaling and dysfunctions. <i>BMC Biology</i> , 2020, 18, 81.	1.7	8
3853	The extract of the immature fruit of <i>Poncirus trifoliata</i> induces apoptosis in colorectal cancer cells via mitochondrial autophagy. <i>Food Science and Human Wellness</i> , 2020, 9, 237-244.	2.2	7
3854	The Neuroproteomic Basis of Enhanced Perception and Processing of Brood Signals That Trigger Increased Reproductive Investment in Honeybee (<i>Apis mellifera</i>) Workers. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1632-1648.	2.5	10
3855	SOX2 and p53 Expression Control Converges in PI3K/AKT Signaling with Versatile Implications for Stemness and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4902.	1.8	22

#	ARTICLE	IF	CITATIONS
3856	ACTH4-10 protects the ADR-injured podocytes by stimulating B lymphocytes to secrete interleukin-10. <i>International Immunopharmacology</i> , 2020, 87, 106769.	1.7	1
3857	Peroxisome Proliferator-Activated Receptors as Molecular Links between Caloric Restriction and Circadian Rhythm. <i>Nutrients</i> , 2020, 12, 3476.	1.7	15
3858	Molecular Mechanisms of Apoptosis of Glomerular Podocytes in Diabetic Nephropathy. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2020, 14, 205-222.	0.3	0
3859	A Functional SMAD2/3 Binding Site in the PEX11 ^{Δ2} Promoter Identifies a Role for TGF β 2 in Peroxisome Proliferation in Humans. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 577637.	1.8	9
3860	Possible New Strategies for the Treatment of Congenital Hyperinsulinism. <i>Frontiers in Endocrinology</i> , 2020, 11, 545638.	1.5	8
3861	Insights into Potential Targets for Therapeutic Intervention in Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8573.	1.8	22
3862	Winter is coming: Regulation of cellular metabolism by enzyme polymerization in dormancy and disease. <i>Experimental Cell Research</i> , 2020, 397, 112383.	1.2	6
3863	S100A10 Accelerates Aerobic Glycolysis and Malignant Growth by Activating mTOR-Signaling Pathway in Gastric Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 559486.	1.8	25
3864	A VAS ^t -domain protein regulates autophagy, membrane tension, and sterol homeostasis in rice blast fungus. <i>Autophagy</i> , 2021, 17, 2939-2961.	4.3	33
3865	The Amino Acid-Mediated TOR Pathway Regulates Reproductive Potential and Population Growth in <i>Cyrtorhinus lividipennis</i> Reuter (Hemiptera: Miridae). <i>Frontiers in Physiology</i> , 2020, 11, 617237.	1.3	8
3866	Diabetic phenotype in mouse and humans reduces the number of microglia around β 2-amyloid plaques. <i>Molecular Neurodegeneration</i> , 2020, 15, 66.	4.4	22
3867	Death associated protein kinase 2 suppresses T-B interactions and GC formation. <i>Molecular Immunology</i> , 2020, 128, 249-257.	1.0	2
3868	Amino Acids in Nutrition and Health. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	6
3869	<p></p>Nanotechnology-Based Targeting of mTOR Signaling in Cancer</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5767-5781.	3.3	12
3870	Approaches and Technologies in Male Fertility Preservation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5471.	1.8	14
3871	<i>Rhodospseudomonas palustris</i> in effluent enhances the disease resistance, TOR and NF κ B signalling pathway, intestinal microbiota and aquaculture water quality of <i>Pelteobagrus vachelli</i>. <i>Aquaculture Research</i> , 2020, 51, 3959-3971.	0.9	5
3872	Pathological Consequences of Hepatic mTORC1 Dysregulation. <i>Genes</i> , 2020, 11, 896.	1.0	8
3873	Microglia: Agents of the CNS Pro-Inflammatory Response. <i>Cells</i> , 2020, 9, 1717.	1.8	174

#	ARTICLE	IF	CITATIONS
3874	Peroxisome Proliferator-Activated Receptors and Caloric Restrictionâ€™ Common Pathways Affecting Metabolism, Health, and Longevity. <i>Cells</i> , 2020, 9, 1708.	1.8	39
3875	Targeted therapies in gynecological cancers: a comprehensive review of clinical evidence. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 137.	7.1	79
3876	Rapid acting antidepressants in the mTOR pathway: Current evidence. <i>Brain Research Bulletin</i> , 2020, 163, 170-177.	1.4	19
3877	Mice deficient in UXT exhibit retinitis pigmentosa-like features via aberrant autophagy activation. <i>Autophagy</i> , 2021, 17, 1873-1888.	4.3	12
3878	Polyunsaturated fatty acid deficiency affects sulfatides and other sulfated glycans in lysosomes through autophagyâ€™mediated degradation. <i>FASEB Journal</i> , 2020, 34, 9594-9614.	0.2	3
3879	HBO-PC Promotes Locomotor Recovery by Reducing Apoptosis and Inflammation in SCI Rats: The Role of the mTOR Signaling Pathway. <i>Cellular and Molecular Neurobiology</i> , 2020, 41, 1537-1547.	1.7	7
3880	De novo transcriptome assembly and functional annotation for Y-organs of the blue crab (<i>Callinectes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 TF Endocrinology, 2020, 298, 113567.	0.8	7
3881	Immunosuppressive Drugs and COVID-19: A Review. <i>Frontiers in Pharmacology</i> , 2020, 11, 1333.	1.6	89
3882	<i>Saccharomyces cerevisiae</i> and Caffeine Implications on the Eukaryotic Cell. <i>Nutrients</i> , 2020, 12, 2440.	1.7	13
3883	Proteome reallocation from amino acid biosynthesis to ribosomes enables yeast to grow faster in rich media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21804-21812.	3.3	44
3884	Cadmium-Induced Cell Homeostasis Impairment is Suppressed by the Tor1 Deficiency in Fission Yeast. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7847.	1.8	6
3885	Endothelial mTOR maintains hematopoiesis during aging. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	18
3886	Impacts of Dietary Nutritional Composition on Larval Development and Adult Body Composition in the Yellow Fever Mosquito (<i>Aedes aegypti</i>). <i>Insects</i> , 2020, 11, 535.	1.0	18
3887	Conserved Ark1-related kinases function in a TORC2 signaling network. <i>Molecular Biology of the Cell</i> , 2020, 31, 2057-2069.	0.9	4
3888	Zearalenone disrupts the placental function of rats: A possible mechanism causing intrauterine growth restriction. <i>Food and Chemical Toxicology</i> , 2020, 145, 111698.	1.8	13
3889	IDH1 Targeting as a New Potential Option for Intrahepatic Cholangiocarcinoma Treatmentâ€™ Current State and Future Perspectives. <i>Molecules</i> , 2020, 25, 3754.	1.7	18
3890	Novel Links between TORC1 and Traditional Non-Coding RNA, tRNA. <i>Genes</i> , 2020, 11, 956.	1.0	12
3891	The TOR pathway participates in the regulation of growth development in juvenile spotted drum (<i>Nibea</i>) Tj ETQq1 1 0.784314 rgBT /Ove Biochemistry, 2020, 46, 2085-2099.	0.9	7

#	ARTICLE	IF	CITATIONS
3892	Cut bacteria-derived peptidoglycan induces a metabolic syndrome-like phenotype via NF- κ B-dependent insulin/PI3K signaling reduction in <i>Drosophila</i> renal system. <i>Scientific Reports</i> , 2020, 10, 14097.	1.6	12
3893	SIX6 is a TAL1-regulated transcription factor in T-ALL and associated with inferior outcome. <i>Leukemia and Lymphoma</i> , 2020, 61, 3089-3100.	0.6	4
3894	Non-BRAF Mutant Melanoma: Molecular Features and Therapeutical Implications. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 172.	1.6	25
3895	High Activation of the AKT Pathway in Human Multicystic Renal Dysplasia. <i>Pathobiology</i> , 2020, 87, 302-310.	1.9	4
3896	Primary Resistance to Immune Checkpoint Blockade in an STK11/TP53/KRAS-Mutant Lung Adenocarcinoma with High PD-L1 Expression. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 8901-8905.	1.0	7
3897	Effects of different dietary levels of soybean protein hydrolysates on the growth performance, antioxidant capacity and relative mRNA expression levels of juvenile hybrid grouper (<i>Epinephelus</i>) Tj ETQq1 1 0.784314 rgBT /Ove		
3898	Tsc1 Regulates the Proliferation Capacity of Bone-Marrow Derived Mesenchymal Stem Cells. <i>Cells</i> , 2020, 9, 2072.	1.8	7
3899	Staphylococcal Enterotoxin C2 Mutant Directed Fatty Acid and Mitochondrial Energy Metabolic Programs Regulate CD8+ T Cell Activation. <i>Journal of Immunology</i> , 2020, 205, 2066-2076.	0.4	9
3900	Amino acid-dependent control of mTORC1 signaling: a variety of regulatory modes. <i>Journal of Biomedical Science</i> , 2020, 27, 87.	2.6	134
3901	Knockdown of Death-Associated Protein Expression Induces Global Transcriptome Changes in Proliferating and Differentiating Muscle Satellite Cells. <i>Frontiers in Physiology</i> , 2020, 11, 1036.	1.3	0
3902	Preclinical evaluation of new 125 I-radiionuclide therapy targeting LAT1: 2-[211 At]astato- l -methyl-L-phenylalanine in tumor-bearing model. <i>Nuclear Medicine and Biology</i> , 2020, 90-91, 15-22.	0.3	9
3903	Computationally enhanced quantitative phase microscopy reveals autonomous oscillations in mammalian cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27388-27399.	3.3	32
3904	Target of Rapamycin in Control of Autophagy: Puppet Master and Signal Integrator. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8259.	1.8	31
3905	PrÄzisionsmedizin bei NSCLC im Zeitalter der Immuntherapie: Neue Biomarker zur Selektion der am besten geeigneten Therapie oder des am besten geeigneten Patienten. <i>Karger Kompass Pneumologie</i> , 2020, 8, 300-317.	0.0	1
3906	Meep, a Novel Regulator of Insulin Signaling, Supports Development and Insulin Sensitivity via Maintenance of Protein Homeostasis in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4399-4410.	0.8	4
3907	Amino Acids Enhance Polyubiquitination of Rheb and Its Binding to mTORC1 by Blocking Lysosomal ATXN3 Deubiquitinase Activity. <i>Molecular Cell</i> , 2020, 80, 437-451.e6.	4.5	17
3908	Targeting mTOR for fighting diseases: A revisited review of mTOR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 199, 112391.	2.6	46
3909	Target of rapamycin signaling inhibits autophagy in sea cucumber <i>Apostichopus japonicus</i> . <i>Fish and Shellfish Immunology</i> , 2020, 102, 480-488.	1.6	7

#	ARTICLE	IF	CITATIONS
3910	Tuberous sclerosis 1 (Tsc1) mediated mTORC1 activation promotes glycolysis in tubular epithelial cells in kidney fibrosis. <i>Kidney International</i> , 2020, 98, 686-698.	2.6	22
3911	Precision Medicine for NSCLC in the Era of Immunotherapy: New Biomarkers to Select the Most Suitable Treatment or the Most Suitable Patient. <i>Cancers</i> , 2020, 12, 1125.	1.7	43
3912	Dietary Different Replacement Levels of Fishmeal by Fish Silage Could Influence Growth of <i>Litopenaeus vannamei</i> by Regulating mTOR at Transcriptional Level. <i>Frontiers in Physiology</i> , 2020, 11, 359.	1.3	8
3913	The emerging roles of vacuolar-type ATPase-dependent Lysosomal acidification in neurodegenerative diseases. <i>Translational Neurodegeneration</i> , 2020, 9, 17.	3.6	89
3914	Effects of partial fish meal replacement with two fermented soybean meals on the growth of and protein metabolism in the Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture Reports</i> , 2020, 17, 100328.	0.7	12
3915	An Open Question: Is It Rational to Inhibit the mTor-Dependent Pathway as COVID-19 Therapy?. <i>Frontiers in Pharmacology</i> , 2020, 11, 856.	1.6	46
3916	Fishmeal level affects growth performance of <i>Macrobrachium nipponense</i> via regulating protein and lipid metabolism. <i>Aquaculture International</i> , 2020, 28, 1771-1785.	1.1	6
3917	Caloric restriction in heart failure: A systematic review. <i>Clinical Nutrition ESPEN</i> , 2020, 38, 50-60.	0.5	4
3918	Multifarious roles of mTOR signaling in cognitive aging and cerebrovascular dysfunction of Alzheimer's disease. <i>IUBMB Life</i> , 2020, 72, 1843-1855.	1.5	40
3919	Role of AMP-activated protein kinase during postovulatory aging of mouse oocytes. <i>Biology of Reproduction</i> , 2020, 103, 534-547.	1.2	8
3920	The Role of Autophagy for the Regeneration of the Aging Liver. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3606.	1.8	32
3921	Insulin resistance and Alzheimer's disease. , 2020, , 249-292.		1
3922	Effects of replacement of fish meal by poultry by-product meal on growth performance and gene expression involved in protein metabolism for juvenile black sea bream (<i>Acanthoparus schlegelii</i>). <i>Aquaculture</i> , 2020, 528, 735544.	1.7	46
3923	Study on myelin injury of AD mice treated with Shenzhiling oral liquid in the PI3K/Akt-mTOR pathway. <i>International Journal of Immunopathology and Pharmacology</i> , 2020, 34, 205873842092390.	1.0	6
3924	The addition of an amylopectin/chromium complex to branched-chain amino acids enhances muscle protein synthesis in rat skeletal muscle. <i>Journal of the International Society of Sports Nutrition</i> , 2020, 17, 26.	1.7	5
3925	Sestrin2 inhibits YAP activation and negatively regulates corneal epithelial cell proliferation. <i>Experimental and Molecular Medicine</i> , 2020, 52, 951-962.	3.2	7
3926	Nutraceuticals for Promoting Longevity. <i>Current Nutraceuticals</i> , 2020, 1, 18-32.	0.1	2
3927	ALDH1A3 Accelerates Pancreatic Cancer Metastasis by Promoting Glucose Metabolism. <i>Frontiers in Oncology</i> , 2020, 10, 915.	1.3	29

#	ARTICLE	IF	CITATIONS
3928	Parathyroid Cell Proliferation in Secondary Hyperparathyroidism of Chronic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4332.	1.8	21
3929	GSK-3-TSC axis governs lysosomal acidification through autophagy and endocytic pathways. <i>Cellular Signalling</i> , 2020, 71, 109597.	1.7	16
3930	Association of serum sestrin 2 and betatrophin with serum neutrophil gelatinase associated lipocalin levels in type 2 diabetic patients with diabetic nephropathy. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 249-256.	0.8	17
3931	Metabolomic studies of amino acid analysis in <i>Saccharomyces</i> cells exposed to selenium and gamma irradiation. <i>Analytical Biochemistry</i> , 2020, 597, 113666.	1.1	3
3932	<sc>USP</sc> 1 deubiquitinates Akt to inhibit <sc>PI</sc> 3K&A&F&O signaling in muscle during prolonged starvation. <i>EMBO Reports</i> , 2020, 21, e48791.	2.0	64
3933	Autophagy compensates for defects in mitochondrial dynamics. <i>PLoS Genetics</i> , 2020, 16, e1008638.	1.5	22
3934	Hypoxia-Induced Adaptations of miRNomes and Proteomes in Melanoma Cells and Their Secreted Extracellular Vesicles. <i>Cancers</i> , 2020, 12, 692.	1.7	32
3935	Cellular and molecular features of skeletal muscle growth and plasticity. , 2020, , 163-183.		0
3936	Rapamycin Re-Directs Lysosome Network, Stimulates ER-Remodeling, Involving Membrane CD317 and Affecting Exocytosis, in <i>Campylobacter</i> Jejuni-Lysate-Infected U937 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2207.	1.8	8
3937	Polyploidy in liver development, homeostasis and disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 391-405.	8.2	111
3938	mTORC1 Deficiency Modifies Volume Homeostatic Responses to Dietary Sodium in a Sex-Specific Manner. <i>Endocrinology</i> , 2020, 161, .	1.4	3
3939	Podocyte Lysosome Dysfunction in Chronic Glomerular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1559.	1.8	17
3940	DOCK5 regulates energy balance and hepatic insulin sensitivity by targeting mTORC1 signaling. <i>EMBO Reports</i> , 2020, 21, e49473.	2.0	16
3941	Gonadal development and sex determination in mouse. <i>Reproductive Biology</i> , 2020, 20, 115-126.	0.9	20
3942	A selectively suppressing amino acid transporter: Sodium-coupled neutral amino acid transporter 2 inhibits cell growth and mammalian target of rapamycin complex 1 pathway in skeletal muscle cells. <i>Animal Nutrition</i> , 2020, 6, 513-520.	2.1	10
3943	Systematic Screen for <i>Drosophila</i> Transcriptional Regulators Phosphorylated in Response to Insulin/mTOR Pathway. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2843-2849.	0.8	3
3944	mTOR inhibition and p53 activation, microRNAs: The possible therapy against pandemic COVID-19. <i>Gene Reports</i> , 2020, 20, 100765.	0.4	71
3945	Rph1 coordinates transcription of ribosomal protein genes and ribosomal RNAs to control cell growth under nutrient stress conditions. <i>Nucleic Acids Research</i> , 2020, 48, 8360-8373.	6.5	3

#	ARTICLE	IF	CITATIONS
3946	Pharmacological Treatment of Alzheimer's Disease: Insights from <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 4621.	1.8	15
3947	Response to everolimus of a progressive plexiform neurofibroma in Neurofibromatosis type 1. <i>Pediatrics International</i> , 2020, 62, 857-859.	0.2	3
3948	Expression of estrogen receptor α variants and c-Fos in rat mammary gland and tumors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 199, 105594.	1.2	1
3949	Virulence and biofilms as promising targets in developing antipathogenic drugs against candidiasis. <i>Future Science OA</i> , 2020, 6, FSO440.	0.9	34
3950	Mitigation of Glucolipotoxicity-Induced Apoptosis, Mitochondrial Dysfunction, and Metabolic Stress by N-Acetyl Cysteine in Pancreatic β -Cells. <i>Biomolecules</i> , 2020, 10, 239.	1.8	10
3951	Snail synchronizes endocycling in a TOR-dependent manner to coordinate entry and escape from endoreplication pausing during the <i>Drosophila</i> critical weight checkpoint. <i>PLoS Biology</i> , 2020, 18, e3000609.	2.6	24
3952	Pa α S6K is associated with insect diapause via the ROS/AKT/ S6K/CREB/HIF-1 pathway in the cotton bollworm, <i>Helicoverpa armigera</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 120, 103262.	1.2	15
3953	Proteomics Analysis of Cellular BRS3 Receptor Activation Reveals Potential Mechanism for Signal Transduction and Cell Proliferation. <i>Journal of Proteome Research</i> , 2020, 19, 1513-1521.	1.8	8
3954	Monocytes present age-related changes in phospholipid concentration and decreased energy metabolism. <i>Aging Cell</i> , 2020, 19, e13127.	3.0	42
3955	Microalgal Target of Rapamycin (TOR): A Central Regulatory Hub for Growth, Stress Response and Biomass Production. <i>Plant and Cell Physiology</i> , 2020, 61, 675-684.	1.5	11
3956	Target Of Rapamycin pathway in the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>PLoS ONE</i> , 2020, 15, e0224776.	1.1	7
3957	Rapamycin induces morphological and physiological changes without increase in lipid content in <i>Ustilago maydis</i> . <i>Archives of Microbiology</i> , 2020, 202, 1211-1221.	1.0	5
3958	TOR signaling inhibition in intestinal stem and progenitor cells affects physiology and metabolism in <i>Drosophila</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 243-244, 110424.	0.7	5
3959	The Chinese herbal prescription JZ-1 induces autophagy to protect against herpes simplex Virus-2 in human vaginal epithelial cells by inhibiting the PI3K/Akt/mTOR pathway. <i>Journal of Ethnopharmacology</i> , 2020, 254, 112611.	2.0	13
3960	Acute air exposure modulates the microRNA abundance in stress responsive tissues and circulating extracellular vesicles in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 34, 100661.	0.4	15
3961	mTOR Regulation of Metabolism in Hematologic Malignancies. <i>Cells</i> , 2020, 9, 404.	1.8	10
3963	Insulin Exacerbates Inflammation in Fibroblast-Like Synoviocytes. <i>Inflammation</i> , 2020, 43, 916-936.	1.7	15
3964	Nanotoxicology of an Elastin-like Polypeptide Rapamycin Formulation for Breast Cancer. <i>Biomacromolecules</i> , 2020, 21, 1091-1102.	2.6	21

#	ARTICLE	IF	CITATIONS
3965	Indirect effect of different dietary protein to energy ratio of bait fish mori diets on growth performance, body composition, nitrogen metabolism and relative AMPK & mTOR pathway gene expression of Chinese perch. <i>Aquaculture Reports</i> , 2020, 16, 100276.	0.7	9
3966	TXNIP deficiency mitigates podocyte apoptosis via restraining the activation of mTOR or p38 MAPK signaling in diabetic nephropathy. <i>Experimental Cell Research</i> , 2020, 388, 111862.	1.2	17
3967	EGFR Signaling Stimulates Autophagy to Regulate Stem Cell Maintenance and Lipid Homeostasis in the <i>Drosophila Testis</i> . <i>Cell Reports</i> , 2020, 30, 1101-1116.e5.	2.9	27
3968	A panoramic review of IL-6: Structure, pathophysiological roles and inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115327.	1.4	216
3969	The Emerging Role of Sestrin2 in Cell Metabolism, and Cardiovascular and Age-Related Diseases. , 2020, 11, 154.		43
3970	LATS suppresses mTORC1 activity to directly coordinate Hippo and mTORC1 pathways in growth control. <i>Nature Cell Biology</i> , 2020, 22, 246-256.	4.6	56
3972	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
3973	6-O-galloyl paeoniflorin regulates proliferation and metastasis of non-small cell lung cancer through AMPK/miR-299-5p/ATF2 axis. <i>Respiratory Research</i> , 2020, 21, 39.	1.4	27
3974	In Vitro and in Vivo Activity of mTOR Kinase and PI3K Inhibitors Against <i>Leishmania donovani</i> and <i>Trypanosoma brucei</i> . <i>Molecules</i> , 2020, 25, 1980.	1.7	18
3975	The Regulatory Effects of mTOR Complexes in the Differentiation and Function of CD4 ⁺ T Cell Subsets. <i>Journal of Immunology Research</i> , 2020, 2020, 1-16.	0.9	32
3976	Anti-fibrosis activity of quercetin attenuates rabbit tracheal stenosis via the TGF- β /AKT/mTOR signaling pathway. <i>Life Sciences</i> , 2020, 250, 117552.	2.0	36
3977	Pharmacological inhibition of mTOR attenuates replicative cell senescence and improves cellular function via regulating the STAT3-PIM1 axis in human cardiac progenitor cells. <i>Experimental and Molecular Medicine</i> , 2020, 52, 615-628.	3.2	23
3978	Autophagy inhibition potentiates the anti-EMT effects of alteronol through TGF- β /Smad3 signaling in melanoma cells. <i>Cell Death and Disease</i> , 2020, 11, 223.	2.7	36
3979	Molecular and functional characterization of <i>Raptor</i> in mTOR pathway from <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2020, 51, 2179-2189.	0.9	3
3980	Glucocorticoids Promote the Onset of Acute Experimental Colitis and Cancer by Upregulating mTOR Signaling in Intestinal Epithelial Cells. <i>Cancers</i> , 2020, 12, 945.	1.7	16
3981	Influence of dietary replacement of fish meal with fish soluble meal on growth and TOR signaling pathway in juvenile black sea bream (<i>Acanthopagrus schlegelii</i>). <i>Fish and Shellfish Immunology</i> , 2020, 101, 269-276.	1.6	21
3982	Reactive Carbonyls Induce TOR- and Carbohydrate-Dependent Hormetic Response in Yeast. <i>Scientific World Journal</i> , The, 2020, 2020, 1-6.	0.8	3
3983	p62/SQSTM1, a Central but Unexploited Target: Advances in Its Physiological/Pathogenic Functions and Small Molecular Modulators. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10135-10157.	2.9	26

#	ARTICLE	IF	CITATIONS
3984	Mechanisms and rejuvenation strategies for aged hematopoietic stem cells. <i>Journal of Hematology and Oncology</i> , 2020, 13, 31.	6.9	59
3985	Chemoprevention in familial adenomatous polyposis: past, present and future. <i>Familial Cancer</i> , 2021, 20, 23-33.	0.9	27
3986	Regulation of Synaptic Homeostasis by Translational Mechanisms. , 0, , 297-322.		2
3987	Different regulation of branched-chain amino acid on food intake by TOR signaling in Chinese perch (<i>Siniperca chuatsi</i>). <i>Aquaculture</i> , 2021, 530, 735792.	1.7	20
3988	Dietary valine levels affect growth, protein utilisation, immunity and antioxidant status in juvenile hybrid grouper (<i>Epinephelus fuscoguttatus</i> × <i>Epinephelus lanceolatus</i>). <i>British Journal of Nutrition</i> , 2021, 125, 408-419.	1.2	18
3989	5-Hydroxy-6, 7, 8, 4-pentamethoxyflavone extends longevity mediated by DR-induced autophagy and oxidative stress resistance in <i>C. elegans</i> . <i>GeroScience</i> , 2021, 43, 759-772.	2.1	12
3990	Regulation of trophoblast cell invasion by Pyruvate Kinase isozyme M2 (PKM2). <i>Placenta</i> , 2021, 103, 24-32.	0.7	8
3991	Regulation of ribosomal protein genes: An ordered anarchy. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1632.	3.2	72
3992	Culture salinity alters dietary protein requirement, whole body composition and nutrients metabolism related genes expression in juvenile Genetically Improved Farmed Tilapia (GIFT) (<i>Oreochromis niloticus</i>). <i>Aquaculture</i> , 2021, 531, 735961.	1.7	19
3993	SOD1, more than just an antioxidant. <i>Archives of Biochemistry and Biophysics</i> , 2021, 697, 108701.	1.4	79
3994	The ULK1 kinase, a necessary component of the pro-regenerative and anti-aging machinery in Hydra. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111414.	2.2	2
3995	Mitochondrial Threonyl-tRNA Synthetase TARS2 Is Required for Threonine-Sensitive mTORC1 Activation. <i>Molecular Cell</i> , 2021, 81, 398-407.e4.	4.5	29
3996	Protein homeostasis in LGMDR9 (LGMD2I) – The role of ubiquitin-proteasome and autophagy-lysosomal system. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 519-531.	1.8	13
3997	A Tour of TOR Complex Signaling in Plants. <i>Trends in Biochemical Sciences</i> , 2021, 46, 417-428.	3.7	44
3998	Effect of guanidinoacetic acid and betaine supplementation in soybean meal-based diets on growth performance, muscle energy metabolism and methionine utilization in the bullfrog <i>Lithobates catesbeianus</i> . <i>Aquaculture</i> , 2021, 533, 736167.	1.7	11
3999	Metformin enhances anti-cancer effects of cisplatin in meningioma through AMPK-mTOR signaling pathways. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 119-131.	2.0	40
4000	Tumor Susceptibility Gene 101 facilitates rapamycin-induced autophagic flux in neuron cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 111106.	2.5	7
4001	A review of fasting effects on the response of cancer to chemotherapy. <i>Clinical Nutrition</i> , 2021, 40, 1669-1681.	2.3	30

#	ARTICLE	IF	CITATIONS
4002	Protein metabolism and related body function: mechanistic approaches and health consequences. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 243-251.	0.4	5
4003	Microcystin-leucine-arginine induces apical ectoplasmic specialization disassembly. <i>Chemosphere</i> , 2021, 264, 128440.	4.2	10
4004	The DNA methyltransferase DNMT3A contributes to autophagy long-term memory. <i>Autophagy</i> , 2021, 17, 1259-1277.	4.3	24
4005	Response of gibel carp (<i>Carassius auratus gibelio</i>) to increasing levels of dietary lysine in zero fish meal diets. <i>Aquaculture Nutrition</i> , 2021, 27, 49-62.	1.1	5
4006	The hot issue: TOR signalling network in plants. <i>Functional Plant Biology</i> , 2021, 48, 1.	1.1	12
4007	Supplementation with embryo chicken egg extract improves exercise performance and exerts anti-fatigue effects via AMPK / mTOR signalling pathway in mice. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1411-1418.	1.7	4
4008	The paradox of autophagy in Tuberous Sclerosis Complex. <i>Genetics and Molecular Biology</i> , 2021, 44, e20200014.	0.6	7
4009	<i>Octopus vulgaris</i> ink extracts exhibit antioxidant, antimutagenic, cytoprotective, antiproliferative, and proapoptotic effects in selected human cancer cell lines. <i>Journal of Food Science</i> , 2021, 86, 587-601.	1.5	8
4010	Cellular quiescence in budding yeast. <i>Yeast</i> , 2021, 38, 12-29.	0.8	42
4011	The molecular mechanisms supporting the homeostasis and activation of dendritic epidermal T cell and its role in promoting wound healing. <i>Burns and Trauma</i> , 2021, 9, tkab009.	2.3	11
4012	Placental trophoblast syncytialization potentiates macropinocytosis via mTOR signaling to adapt to reduced amino acid supply. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
4013	TOR Signaling Pathway in Cardiac Aging and Heart Failure. <i>Biomolecules</i> , 2021, 11, 168.	1.8	18
4014	Glutamine metabolism in prostate cancer. , 2021, , 241-270.		0
4015	Mtor inhibition by INK128 extends functions of the ovary reconstituted from germline stem cells in aging and premature aging mice. <i>Aging Cell</i> , 2021, 20, e13304.	3.0	7
4016	mTOR and AMP-Activated Protein Kinase in Obesity and Cancer. , 2021, , 81-107.		0
4017	Hepatitis B virus particles activate B cells through the TLR2-MyD88-mTOR axis. <i>Cell Death and Disease</i> , 2021, 12, 34.	2.7	13
4018	Nutraceuticals Supporting Cognitive Function in Mild Cognitive Impairment. <i>Contemporary Cardiology</i> , 2021, , 167-208.	0.0	0
4019	Suppression of Allograft Fibrosis by Regulation of Mammalian Target of Rapamycin-Related Protein Expression in Kidney-Transplanted Recipients Treated with Everolimus and Reduced Tacrolimus. <i>Annals of Transplantation</i> , 2021, 26, e926476.	0.5	6

#	ARTICLE	IF	CITATIONS
4020	Metabolic reprogramming in macrophage responses. Biomarker Research, 2021, 9, 1.	2.8	227
4021	Intracellular Density of <i>Wolbachia</i> Is Mediated by Host Autophagy and the Bacterial Cytoplasmic Incompatibility Gene <i>cifB</i> in a Cell Type-Dependent Manner in <i>Drosophila melanogaster</i> . MBio, 2021, 12, .	1.8	101
4022	Facile synthesis of rapamycin-peptide conjugates as mTOR and Akt inhibitors. Organic and Biomolecular Chemistry, 2021, 19, 4352-4358.	1.5	1
4023	Nutrient transceptors physically interact with the yeast S6/protein kinase B homolog, Sch9, a TOR kinase target. Biochemical Journal, 2021, 478, 357-375.	1.7	7
4024	An open-label randomized clinical trial to evaluate the efficacy of everolimus versus tacrolimus in triple maintenance immunosuppressive therapy for kidney transplant patients. Brazilian Journal of Medical and Biological Research, 2021, 54, e9369.	0.7	1
4025	Amino Acids in Cell Signaling: Regulation and Function. Advances in Experimental Medicine and Biology, 2021, 1332, 17-33.	0.8	10
4026	Identification of TOR-responsive slow-cycling neoblasts in planarians. EMBO Reports, 2021, 22, e50292.	2.0	13
4027	Conserved and Divergent Mechanisms That Control TORC1 in Yeasts and Mammals. Genes, 2021, 12, 88.	1.0	30
4028	Build-UPS and break-downs: metabolism impacts on proteostasis and aging. Cell Death and Differentiation, 2021, 28, 505-521.	5.0	32
4029	A multi-level assessment of the bidirectional relationship between aging and the circadian clock. Journal of Neurochemistry, 2021, 157, 73-94.	2.1	17
4030	Autophagy in <i>Drosophila</i> and Zebrafish. Advances in Experimental Medicine and Biology, 2021, 1208, 333-356.	0.8	0
4031	The conductors of the metabolic orchestra. , 2021, , 37-62.		0
4032	ABSCISIC ACID INSENSITIVE5 Interacts With RIBOSOMAL S6 KINASE2 to Mediate ABA Responses During Seedling Growth in Arabidopsis. Frontiers in Plant Science, 2020, 11, 598654.	1.7	8
4033	The Putative Role of mTOR Inhibitors in Non-tuberous Sclerosis Complex-Related Epilepsy. Frontiers in Neurology, 2021, 12, 639319.	1.1	10
4034	The potential role of sestrin 2 in liver regeneration. Free Radical Biology and Medicine, 2021, 163, 255-267.	1.3	6
4035	Modulation of Autophagy: A Novel Rejuvenation Strategy for the Aging Liver. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-30.	1.9	9
4036	Metabolic Control of T Cell Function. Infectious Microbes & Diseases, 2021, 3, 142-148.	0.5	5
4038	Two-meal caloric restriction induces 12-hour rhythms and improves glucose homeostasis. FASEB Journal, 2021, 35, e21342.	0.2	5

#	ARTICLE	IF	CITATIONS
4039	Crosstalk between oncolytic viruses and autophagy in cancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 110932.	2.5	23
4040	Antiaging effects of rice protein hydrolysates on <i>Drosophila melanogaster</i> . <i>Journal of Food Biochemistry</i> , 2021, 45, e13602.	1.2	2
4041	Portrait of Cancer Stem Cells on Colorectal Cancer: Molecular Biomarkers, Signaling Pathways and miRNAome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1603.	1.8	14
4042	Natural Killer Cells and Anti-Cancer Therapies: Reciprocal Effects on Immune Function and Therapeutic Response. <i>Cancers</i> , 2021, 13, 711.	1.7	18
4043	Analysis of the TORC1 interactome reveals a spatially distinct function of TORC1 in mRNP complexes. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	2
4045	TOR targets an RNA processing network to regulate facultative heterochromatin, developmental gene expression and cell proliferation. <i>Nature Cell Biology</i> , 2021, 23, 243-256.	4.6	20
4046	Roles of mTOR in Diabetic Kidney Disease. <i>Antioxidants</i> , 2021, 10, 321.	2.2	21
4047	A Phase I and Surgical Study of Ribociclib and Everolimus in Children with Recurrent or Refractory Malignant Brain Tumors: A Pediatric Brain Tumor Consortium Study. <i>Clinical Cancer Research</i> , 2021, 27, 2442-2451.	3.2	13
4048	<scp>BMP11</scp> regulates thermogenesis in white and brown adipocytes. <i>Cell Biochemistry and Function</i> , 2021, 39, 496-510.	1.4	4
4049	Pleiotropic Effects of Caffeine Leading to Chromosome Instability and Cytotoxicity in Eukaryotic Microorganisms. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 171-180.	0.9	4
4050	Treatment personalization in gastrointestinal neuroendocrine tumors. <i>Current Treatment Options in Oncology</i> , 2021, 22, 29.	1.3	10
4051	Crosstalk between the mTOR and DNA Damage Response Pathways in Fission Yeast. <i>Cells</i> , 2021, 10, 305.	1.8	4
4052	MiR-146a-5p targeting SMAD4 and TRAF6 inhibits adipogenesis through TGF- β 2 and AKT/mTORC1 signal pathways in porcine intramuscular preadipocytes. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 12.	2.1	34
4053	PI3K/AKT/mTOR signalling pathway involvement in renal cell carcinoma pathogenesis (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 540.	0.8	47
4054	Signaling pathways involved in virulence and stress response of plant-pathogenic <i>Fusarium</i> species. <i>Fungal Biology Reviews</i> , 2021, 35, 27-39.	1.9	5
4055	Novel Targets for Hypertension Drug Discovery. <i>Current Hypertension Reports</i> , 2021, 23, 19.	1.5	4
4056	Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	18
4057	A translation-independent function of PheRS activates growth and proliferation in <i> <i>Drosophila</i> </i>. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	9

#	ARTICLE	IF	CITATIONS
4058	Crosstalk between autophagy and sporulation in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2021, 38, 401-413.	0.8	7
4059	Chondroitinase ABC Promotes Axon Regeneration and Reduces Retrograde Apoptosis Signaling in Lamprey. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 653638.	1.8	14
4060	Overcoming Glucocorticoid Resistance in Acute Lymphoblastic Leukemia: Repurposed Drugs Can Improve the Protocol. <i>Frontiers in Oncology</i> , 2021, 11, 617937.	1.3	25
4062	Indole-3-acetic acid is a physiological inhibitor of TORC1 in yeast. <i>PLoS Genetics</i> , 2021, 17, e1009414.	1.5	32
4063	Regulation of DNA duplication by the mTOR signaling pathway. <i>Cell Cycle</i> , 2021, 20, 742-751.	1.3	6
4064	The molecular mechanisms of <i>Phytophthora infestans</i> in response to reactive oxygen species (ROS) stress. <i>Phytopathology</i> , 2021, , PHYTO08200321R.	1.1	3
4065	AMPK-like proteins as LKB1 downstream targets in cell physiology and cancer. <i>Journal of Molecular Medicine</i> , 2021, 99, 651-662.	1.7	9
4066	Effects of dietary leucine on glucose metabolism, lipogenesis and insulin pathway in juvenile golden pompano <i>Trachinotus ovatus</i> . <i>Aquaculture Reports</i> , 2021, 19, 100626.	0.7	5
4067	mTORC1 couples cyst(e)ine availability with GPX4 protein synthesis and ferroptosis regulation. <i>Nature Communications</i> , 2021, 12, 1589.	5.8	317
4068	Biological Timing and Neurodevelopmental Disorders: A Role for Circadian Dysfunction in Autism Spectrum Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 642745.	1.4	32
4069	The Role of Autophagy in Skeletal Muscle Diseases. <i>Frontiers in Physiology</i> , 2021, 12, 638983.	1.3	52
4070	Hydrogen peroxide (H ₂ O ₂) mediated activation of mTORC2 increases intracellular Na ⁺ concentration in the renal medullary thick ascending limb of Henle. <i>Scientific Reports</i> , 2021, 11, 7300.	1.6	2
4071	TOR Inhibitors Synergistically Suppress the Growth and Development of <i>Phytophthora infestans</i> , a Highly Destructive Pathogenic Oomycete. <i>Frontiers in Microbiology</i> , 2021, 12, 596874.	1.5	3
4072	Effects of Time-Dependent Protein Restriction on Growth Performance, Digestibility, and mTOR Signaling Pathways in Juvenile White Shrimp <i>Litopenaeus vannamei</i> . <i>Frontiers in Physiology</i> , 2021, 12, 661107.	1.3	2
4073	How can we turn the PI3K/AKT/mTOR pathway down? Insights into inhibition and treatment of cancer. <i>Expert Review of Anticancer Therapy</i> , 2021, 21, 605-619.	1.1	23
4074	Identification and characterization of rapidly accumulating <i>sch9^Δ</i> suppressor mutations in <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	7
4075	Bdh2 Deficiency Promotes Endoderm-Biased Early Differentiation of Mouse Embryonic Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 655145.	1.8	2
4076	Effect of metformin therapy on muscle mass and strength in patients with and without diabetes. Meta-analysis of 15 studies. <i>Russian Journal of Cardiology</i> , 2021, 26, 4331.	0.4	2

#	ARTICLE	IF	CITATIONS
4077	Nutritional Regulation of Mammary Gland Development and Milk Synthesis in Animal Models and Dairy Species. <i>Genes</i> , 2021, 12, 523.	1.0	16
4078	CHIR99021 Augmented the Function of Late Endothelial Progenitor Cells by Preventing Replicative Senescence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4796.	1.8	4
4079	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
4080	Shedding Light on the Dynamic Role of the Target of Rapamycin Kinase in the Fast-Growing C4 Species <i>Setaria viridis</i> , a Suitable Model for Biomass Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 637508.	1.7	10
4081	The brain as an insulin-sensitive metabolic organ. <i>Molecular Metabolism</i> , 2021, 52, 101234.	3.0	84
4082	The Role of Autophagy in the Pathogenesis of Ischemic Stroke. <i>Current Neuropharmacology</i> , 2021, 19, 629-640.	1.4	39
4083	Influence of aging on T cell response and renin-angiotensin system imbalance during SARS-CoV-2 infection. <i>Immunology Letters</i> , 2021, 232, 35-38.	1.1	0
4084	Xeroderma Pigmentosum C: A Valuable Tool to Decipher the Signaling Pathways in Skin Cancers. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	3
4085	LCM and RNA-seq analyses revealed roles of cell cycle and translational regulation and homoeolog expression bias in cotton fiber cell initiation. <i>BMC Genomics</i> , 2021, 22, 309.	1.2	7
4086	Target of rapamycin, PvTOR, is a key regulator of arbuscule development during mycorrhizal symbiosis in <i>Phaseolus</i> . <i>Scientific Reports</i> , 2021, 11, 11319.	1.6	5
4087	Melatonin Ameliorates Autophagy Impairment in a Metabolic Syndrome Model. <i>Antioxidants</i> , 2021, 10, 796.	2.2	14
4088	Anti-adipogenic Effects of AL14 Mediated by Modulation of PI3K/Akt Pathways in 3T3-L1 Cells. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1913-1922.	0.9	3
4089	A novel PI3K inhibitor XH30 suppresses orthotopic glioblastoma and brain metastasis in mice models. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 774-786.	5.7	7
4090	Parental energy-sensing pathways control intergenerational offspring sex determination in the nematode <i>Auanema freiburgensis</i> . <i>BMC Biology</i> , 2021, 19, 102.	1.7	9
4091	Sestrin2 as a gatekeeper of cellular homeostasis: Physiological effects for the regulation of hypoxia-related diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5341-5350.	1.6	15
4092	Effects of Encapsulated Methionine on Skeletal Muscle Growth and Development and Subsequent Feedlot Performance and Carcass Characteristics in Beef Steers. <i>Animals</i> , 2021, 11, 1627.	1.0	3
4093	Therapeutic Potential of Exploiting Autophagy Cascade Against Coronavirus Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 675419.	1.5	25
4094	MTOR Signaling and Metabolism in Early T Cell Development. <i>Genes</i> , 2021, 12, 728.	1.0	16

#	ARTICLE	IF	CITATIONS
4095	Regulation of mTORC1 activity by the Golgi apparatus. Faculty Reviews, 2021, 10, 50.	1.7	10
4096	Targeted radioimmunotherapy with the iodine-131-labeled caerin 1.1 peptide for human anaplastic thyroid cancer in nude mice. Annals of Nuclear Medicine, 2021, 35, 811-822.	1.2	7
4097	mTORC1 stimulates cell growth through SAM synthesis and m6A mRNA-dependent control of protein synthesis. Molecular Cell, 2021, 81, 2076-2093.e9.	4.5	77
4098	Rapamycin Improves the Response of Effector and Memory CD8+ T Cells Induced by Immunization With ASP2 of Trypanosoma cruzi. Frontiers in Cellular and Infection Microbiology, 2021, 11, 676183.	1.8	8
4099	In vivo screen identifies a SIK inhibitor that induces \hat{I}^2 cell proliferation through a transient UPR. Nature Metabolism, 2021, 3, 682-700.	5.1	18
4100	Exploring the multifunctional role of melatonin in regulating autophagy and sleep to mitigate Alzheimer's disease neuropathology. Ageing Research Reviews, 2021, 67, 101304.	5.0	30
4101	Reciprocal control of translation and transcription in autism spectrum disorder. EMBO Reports, 2021, 22, e52110.	2.0	15
4102	The PI3K/Akt Pathway: Emerging Roles in Skin Homeostasis and a Group of Non-Malignant Skin Disorders. Cells, 2021, 10, 1219.	1.8	53
4103	Review on target treatment of Klippel-Trenaunay Syndrome. Italian Journal of Vascular and Endovascular Surgery, 2021, 28, .	1.0	3
4104	mTORC2/Rictor is essential for coelomocyte endocytosis in Apostichopus japonicus. Developmental and Comparative Immunology, 2021, 118, 104000.	1.0	1
4105	Involvement of mTOR Pathways in Recovery from Spinal Cord Injury by Modulation of Autophagy and Immune Response. Biomedicines, 2021, 9, 593.	1.4	9
4106	TORC2 inhibition of \hat{I}^+ -arrestin Aly3 mediates cell surface persistence of S. pombe Ght5 glucose transporter in low glucose. Journal of Cell Science, 2021, 134, .	1.2	7
4107	Endosomal mTORC2 Is Required for Phosphoinositide-Dependent AKT Activation in Platelet-Derived Growth Factor-Stimulated Glioma Cells. Cancers, 2021, 13, 2405.	1.7	11
4109	TOR and MAP kinase pathways synergistically regulate autophagy in response to nutrient depletion in fission yeast. Autophagy, 2022, 18, 375-390.	4.3	22
4110	Amino Acid-Mediated Intracellular Ca ²⁺ Rise Modulates mTORC1 by Regulating the TSC2-Rheb Axis through Ca ²⁺ /Calmodulin. International Journal of Molecular Sciences, 2021, 22, 6897.	1.8	9
4111	Transcriptional responses in jejunum of two layer chicken strains following variations in dietary calcium and phosphorus levels. BMC Genomics, 2021, 22, 485.	1.2	11
4112	Sestryny jako modulatory proces ³ w starzenia i chor ³ b zwi ³ zanych z wiekiem*. Postepy Higieny I Medycyny Doswiadczalnej, 2021, 75, 437-447.	0.1	1
4113	mTOR Signaling in the Inner Ear as Potential Target to Treat Hearing Loss. International Journal of Molecular Sciences, 2021, 22, 6368.	1.8	10

#	ARTICLE	IF	CITATIONS
4114	mTORC1 and ferroptosis: Regulatory mechanisms and therapeutic potential. <i>BioEssays</i> , 2021, 43, e2100093.	1.2	37
4115	Expression Regulation, Protein Chemistry and Functional Biology of the Guanine-Rich Sequence Binding Factor 1 (GRSF1). <i>Journal of Molecular Biology</i> , 2021, 433, 166922.	2.0	8
4117	The Unicellular Red Alga <i>Cyanidioschyzon merolae</i> , an Excellent Model Organism for Elucidating Fundamental Molecular Mechanisms and Their Applications in Biofuel Production. <i>Plants</i> , 2021, 10, 1218.	1.6	14
4118	The optimum dietary methionine requirement of juvenile humpback grouper (<i>Cromileptes altivelis</i>): effects on growth, micromorphology, protein and lipid metabolism. <i>Amino Acids</i> , 2021, 53, 1065-1077.	1.2	8
4119	The emerging role of microRNA in regulating the mTOR signaling pathway in immune and inflammatory responses. <i>Immunology and Cell Biology</i> , 2021, 99, 814-832.	1.0	18
4120	Insight into the role of multiple signaling pathways in regulating cancer stem cells of gynecologic cancers. <i>Seminars in Cancer Biology</i> , 2022, 85, 219-233.	4.3	6
4121	Starvation and Climate Change—How to Constrain Cancer Cell Epigenetic Diversity and Adaptability to Enhance Treatment Efficacy. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	3
4122	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
4123	Identification and development of a KASP functional marker of <i>TaTAP46A</i> associated with kernel weight in wheat (<i>Triticum aestivum</i>). <i>Plant Breeding</i> , 2021, 140, 585-594.	1.0	10
4124	Disruption of O-Linked N-Acetylglucosamine Signaling in Placenta Induces Insulin Sensitivity in Female Offspring. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6918.	1.8	14
4125	Molecular and cellular pathways contributing to brain aging. <i>Behavioral and Brain Functions</i> , 2021, 17, 6.	1.4	64
4126	Differential expression of mTOR related molecules in the placenta from gestational diabetes mellitus (GDM), intrauterine growth restriction (IUGR) and preeclampsia patients. <i>Reproductive Biology</i> , 2021, 21, 100503.	0.9	26
4127	Obesity and Depression: Could some shared genes explain the relationship?. <i>Research Journal of Pharmacy and Technology</i> , 2021, , 3409-3415.	0.2	0
4128	O-GlcNAcylation in Hyperglycemic Pregnancies: Impact on Placental Function. <i>Frontiers in Endocrinology</i> , 2021, 12, 659733.	1.5	3
4129	Lipidomics study of the therapeutic mechanism of Plantaginis Semen in potassium oxonate-induced hyperuricemia rat. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 175.	1.2	16
4130	Mechanisms linking endoplasmic reticulum (ER) stress and microRNAs to adipose tissue dysfunction in obesity. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021, 56, 455-481.	2.3	15
4132	RAD001 targeted HUVECs reverses 12-lipoxygenase-induced angiogenesis in oesophageal squamous cell carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 6936-6947.	1.6	3
4133	Dietary <i>Clostridium autoethanogenum</i> protein modulates intestinal absorption, antioxidant status, and immune response in GIFT (<i>Oreochromis niloticus</i>) juveniles. <i>Aquaculture Research</i> , 2021, 52, 5787-5799.	0.9	27

#	ARTICLE	IF	CITATIONS
4134	MyD88-mediated signaling intercedes in neurogenic muscle atrophy through multiple mechanisms. <i>FASEB Journal</i> , 2021, 35, e21821.	0.2	10
4135	Conserved immunomodulatory transcriptional networks underlie antipsychotic-induced weight gain. <i>Translational Psychiatry</i> , 2021, 11, 405.	2.4	8
4136	The TOR-dependent phosphoproteome and regulation of cellular protein synthesis. <i>EMBO Journal</i> , 2021, 40, e107911.	3.5	7
4137	Effects of dietary methionine on growth performance and metabolism through modulating nutrient-related pathways in largemouth bass (<i>Micropterus salmoides</i>). <i>Aquaculture Reports</i> , 2021, 20, 100642.	0.7	11
4138	SAR1B senses leucine levels to regulate mTORC1 signalling. <i>Nature</i> , 2021, 596, 281-284.	13.7	97
4139	Identification of Potential Kinase Inhibitors within the PI3K/AKT Pathway of Leishmania Species. <i>Biomolecules</i> , 2021, 11, 1037.	1.8	5
4140	Quercetin and Luteolin Improve the Anticancer Effects of 5-Fluorouracil in Human Colorectal Adenocarcinoma <i>In Vitro</i> Model: A Mechanistic Insight. <i>Nutrition and Cancer</i> , 2022, 74, 660-676.	0.9	23
4141	Effects of Mutations in TSC Genes on Neurodevelopment and Synaptic Transmission. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7273.	1.8	15
4142	Allosteric Modulation of GSK-3 β as a New Therapeutic Approach in Limb Girdle Muscular Dystrophy R1 Calpain 3-Related. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7367.	1.8	5
4143	Inhibition of GSK-3 ameliorates the pathogenesis of Huntington's disease. <i>Neurobiology of Disease</i> , 2021, 154, 105336.	2.1	14
4144	Phosphorylation of RCC1 on Serine 11 Facilitates G1/S Transition in HPV E7-Expressing Cells. <i>Biomolecules</i> , 2021, 11, 995.	1.8	5
4145	Antitumor Effects of Carvacrol and Thymol: A Systematic Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 702487.	1.6	42
4146	Tacrolimus inhibits insulin release and promotes apoptosis of Min6 cells through the inhibition of the PI3K/Akt/mTOR pathway. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	11
4147	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
4148	Contributions of TOR Signaling on Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8959.	1.8	10
4150	PeMetR-mediated sulfur assimilation is essential for virulence and patulin biosynthesis in <i>Penicillium expansum</i> . <i>Environmental Microbiology</i> , 2021, 23, 5555-5568.	1.8	10
4151	The cytoskeleton and connected elements in bone cell mechano-transduction. <i>Bone</i> , 2021, 149, 115971.	1.4	23
4152	Investigation of the levels of circulating miR-29a, miR-122, sestrin 2 and inflammatory markers in obese children with/without type 2 diabetes: a case control study. <i>BMC Endocrine Disorders</i> , 2021, 21, 152.	0.9	19

#	ARTICLE	IF	CITATIONS
4153	Two Types of Mouse Models for Sarcopenia Research: Senescence Acceleration and Genetic Modification Models. <i>Journal of Bone Metabolism</i> , 2021, 28, 179-191.	0.5	6
4154	Effects of dietary leucine levels on growth performance, hematobiochemical parameters, liver profile, intestinal enzyme activities and target of rapamycin signalling pathway related gene expression in rainbow trout, <i>Oncorhynchus mykiss</i> fingerlings. <i>Aquaculture Nutrition</i> , 2021, 27, 1837-1852.	1.1	17
4155	Nickel induced cell impairments are negatively regulated by the Tor1 kinase in <i>Schizosaccharomyces pombe</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 165.	1.7	0
4156	The AMPK-mTOR signaling pathway is involved in regulation of food intake in the hypothalamus of stressed chickens. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 258, 110979.	0.8	3
4157	Calpain 6 inhibits autophagy in inflammatory environments: A preliminary study on myoblasts and a chronic kidney disease rat model. <i>International Journal of Molecular Medicine</i> , 2021, 48, .	1.8	5
4158	mTORC1 Promotes ARID1A Degradation and Oncogenic Chromatin Remodeling in Hepatocellular Carcinoma. <i>Cancer Research</i> , 2021, 81, 5652-5665.	0.4	12
4159	Harnessing rare variants in neuropsychiatric and neurodevelopment disorders—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021, .	1.8	2
4160	AOP Report: Uncoupling of Oxidative Phosphorylation Leading to Growth Inhibition via Decreased Cell Proliferation. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2959-2967.	2.2	9
4161	Dietary DL-methionine supplementation could improve growth performance under low fishmeal strategies by modulating TOR signalling pathway of <i>Litopenaeus vannamei</i> . <i>Aquaculture Nutrition</i> , 2021, 27, 1921-1933.	1.1	8
4162	PI3K/AKT Signaling in High Molecular Weight Hyaluronan (HMWH)-Induced Anti-Hyperalgesia and Reversal of Nociceptor Sensitization. <i>Journal of Neuroscience</i> , 2021, 41, 8414-8426.	1.7	5
4164	The effects of glucagon and the target of rapamycin (TOR) on skeletal muscle protein synthesis and age-dependent sarcopenia in humans. <i>Clinical Nutrition ESPEN</i> , 2021, 44, 15-25.	0.5	7
4165	Evaluation of yeast hydrolysate as a substitute to dietary fish meal of juvenile Jian carp (<i>Cyprinus</i>) Tj ETQq1 1 Q.784314 rgBT /Over	1.1	1
4166	Vascular Aging in Rodent Models: Contrasting Mechanisms Driving the Female and Male Vascular Senescence. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	11
4167	Isoflurane induces Art2-dependent endocytosis of Bap2 in yeast. <i>FEBS Open Bio</i> , 2021, 11, 3090-3100.	1.0	1
4168	Luteinizing Hormone Regulation of Inter-Organellar Communication and Fate of the Corpus Luteum. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9972.	1.8	15
4169	Exercise and Sestrin Mediate Speed and Lysosomal Activity in <i>Drosophila</i> by Partially Overlapping Mechanisms. <i>Cells</i> , 2021, 10, 2479.	1.8	4
4170	Translational Aspects of the Mammalian Target of Rapamycin Complexes in Diabetic Nephropathy. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 802-819.	2.5	4
4171	Sphingosine-1-phosphate induces myocyte autophagy after myocardial infarction through mTOR inhibition. <i>European Journal of Pharmacology</i> , 2021, 907, 174260.	1.7	9

#	ARTICLE	IF	CITATIONS
4172	Adipocytes disrupt the translational programme of acute lymphoblastic leukaemia to favour tumour survival and persistence. <i>Nature Communications</i> , 2021, 12, 5507.	5.8	15
4173	Fission yeast TOR complex 1 phosphorylates Psk1 through an evolutionarily conserved interaction mediated by the TOS motif. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	3
4174	Attractyloside Protect Mice Against Liver Steatosis by Activation of Autophagy via ANT-AMPK-mTORC1 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 736655.	1.6	3
4175	Sestrins regulate muscle stem cell metabolic homeostasis. <i>Stem Cell Reports</i> , 2021, 16, 2078-2088.	2.3	17
4176	Molecular mechanisms involved in DNA repair in human cancers: An overview of PI3k/Akt signaling and PIKKs crosstalk. <i>Journal of Cellular Physiology</i> , 2022, 237, 313-328.	2.0	15
4177	Arginine Regulates TOR Signaling Pathway through SLC38A9 in Abalone <i>Haliotis discus hannai</i> . <i>Cells</i> , 2021, 10, 2552.	1.8	4
4178	Pyrimidine Biosynthetic Enzyme CAD: Its Function, Regulation, and Diagnostic Potential. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10253.	1.8	27
4179	A Review of APOE Genotype-Dependent Autophagic Flux Regulation in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 535-555.	1.2	7
4180	A CRISPR/Cas9-based method for seamless N-terminal protein tagging in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2021, 38, 592-600.	0.8	2
4181	Branched-Chain Amino Acid Supplementation Alters the Abundance of Mechanistic Target of Rapamycin and Insulin Signaling Proteins in Subcutaneous Adipose Explants from Lactating Holstein Cows. <i>Animals</i> , 2021, 11, 2714.	1.0	5
4182	Design, Synthesis and SAR in 2,4,7-Trisubstituted Pyrido[3,2-d]Pyrimidine Series as Novel PI3K/mTOR Inhibitors. <i>Molecules</i> , 2021, 26, 5349.	1.7	0
4183	Synthesis and biological activity of 1H-imidazo[4,5-f][1,10]phenanthroline as a potential antitumor agent with PI3K/AKT/mTOR signaling. <i>European Journal of Pharmacology</i> , 2022, 915, 174514.	1.7	2
4184	Multiscale analysis reveals that diet-dependent midgut plasticity emerges from alterations in both stem cell niche coupling and enterocyte size. <i>ELife</i> , 2021, 10, .	2.8	22
4185	Repurpose but also (nano)-reformulate! The potential role of nanomedicine in the battle against SARS-CoV2. <i>Journal of Controlled Release</i> , 2021, 337, 258-284.	4.8	12
4186	mTOR Signaling: The Interface Linking Cellular Metabolism and Hepatitis B Virus Replication. <i>Virologica Sinica</i> , 2021, 36, 1303-1314.	1.2	9
4187	RNA interference of mTOR gene delays molting process in <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 256, 110651.	0.7	2
4188	Growth impairment, increased placental glucose uptake and altered transplacental transport in VIP deficient pregnancies: Maternal vs. placental contributions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166207.	1.8	5
4189	Leucine sensing in rainbow trout hypothalamus is direct but separate from mTOR signalling in the regulation of food intake. <i>Aquaculture</i> , 2021, 543, 737009.	1.7	3

#	ARTICLE	IF	CITATIONS
4190	Mechanistic insight into high-fat diet-induced metabolic inflammation in the arcuate nucleus of the hypothalamus. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112012.	2.5	15
4191	Lipopolysaccharide inhibits hypothalamic Agouti-related protein gene expression via activating mechanistic target of rapamycin signaling in chicks. <i>General and Comparative Endocrinology</i> , 2021, 313, 113876.	0.8	1
4192	Effects of dietary protein levels on growth and feed utilization in non-transgenic and growth-hormone-gene transgenic common carp (<i>Cyprinus carpio</i> L.). <i>Aquaculture Reports</i> , 2021, 21, 100854.	0.7	5
4193	(+)-Panduratin A induces PANC-1 human pancreatic cancer cell death preferentially under nutrient starvation by inhibiting PI3K/Akt/mTOR/autophagy signaling pathway. <i>Phytomedicine Plus</i> , 2021, 1, 100101.	0.9	4
4194	Dietary watermelon residue influencing the nonspecific immunity of juvenile <i>Pseudorasbora parva</i> . <i>Fish and Shellfish Immunology</i> , 2021, 118, 421-425.	1.6	4
4195	Molecular mechanisms of sex hormones in the development and progression of Alzheimer's disease. <i>Neuroscience Letters</i> , 2021, 764, 136221.	1.0	11
4196	Phytochemical based sestrin2 pharmacological modulators in the treatment of adenocarcinomas. <i>Phytomedicine Plus</i> , 2021, 1, 100133.	0.9	0
4197	Target of Rapamycin (TOR) negatively regulates chlorophyll degradation and lipid peroxidation and controls responses under abiotic stress in <i>Arabidopsis thaliana</i> . <i>Plant Stress</i> , 2021, 2, 100020.	2.7	7
4198	PLXNA2 knockdown promotes M2 microglia polarization through mTOR/STAT3 signaling to improve functional recovery in rats after cerebral ischemia/reperfusion injury. <i>Experimental Neurology</i> , 2021, 346, 113854.	2.0	25
4199	KRAS: The Art of Understanding a Complex Gene. , 2022, , 876-888.		0
4200	Interactive effects of water salinity and dietary methionine levels on growth performance, whole-body composition, plasma parameters, and expression of major nutrient metabolism genes in juvenile genetically improved farmed Tilapia (<i>Oreochromis niloticus</i>). <i>Aquaculture</i> , 2022, 546, 737381.	1.7	14
4201	Oxidative stress and mTOR in Down syndrome brain: Link to Alzheimer's dysmetabolism, neuropathology, and possible therapies. , 2022, , 75-96.		0
4202	A study to explore the effects of low dietary protein levels on the growth performance and nutritional metabolism of grass carp (<i>Ctenopharyngodon idella</i>) fry. <i>Aquaculture</i> , 2022, 546, 737324.	1.7	13
4203	Evaluation of Methanotroph (<i>Methylococcus capsulatus</i> , Bath) bacteria meal on body composition, lipid metabolism, protein synthesis and muscle metabolites of Pacific white shrimp (<i>Litopenaeus</i>) Tj ETQq1 1 0.7843.14 rgBT /O verlock 1		
4204	Andrographolide, a Diterpene from <i>Andrographis paniculata</i> , and its Influence on the Progression of Neurodegenerative Disorders. , 2021, , 79-112.		1
4205	The Protective Role of Sestrin2 in Atherosclerotic and Cardiac Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1200.	1.8	15
4206	Extracellular vesicles released from the filarial parasite <i>Brugia malayi</i> downregulate the host mTOR pathway. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0008884.	1.3	21
4207	Overall survival of pancreatic ductal adenocarcinoma is doubled by <i>Aldh7a1</i> deletion in the KPC mouse. <i>Theranostics</i> , 2021, 11, 3472-3488.	4.6	6

#	ARTICLE	IF	CITATIONS
4208	The Harmonious Interplay of Amino Acid and Monocarboxylate Transporters Induces the Robustness of Cancer Cells. <i>Metabolites</i> , 2021, 11, 27.	1.3	21
4209	Chemoresistance in uterine cancer: Mechanisms of resistance and current therapies. , 2021, , 267-281.		2
4210	Genome-wide CRISPR screening reveals nucleotide synthesis negatively regulates autophagy. <i>Journal of Biological Chemistry</i> , 2021, 296, 100780.	1.6	9
4211	How to rot: A role for TOR. Interplay between carbon catabolite repression and TOR signaling pathway. <i>Advances in Botanical Research</i> , 2021, 99, 151-173.	0.5	0
4212	Differential Effect of Canagliflozin, a Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitor, on Slow and Fast Skeletal Muscles From Nondiabetic Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4213	The complex network of mTOR signalling in the heart. <i>Cardiovascular Research</i> , 2022, 118, 424-439.	1.8	21
4214	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
4215	Impact of dietary components on enteric infectious disease. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4010-4035.	5.4	9
4216	Endolysosomal TRPMLs in Cancer. <i>Biomolecules</i> , 2021, 11, 65.	1.8	17
4217	Prospective Advances in Exercise-Induced Autophagy on Health. , 2021, , 223-245.		0
4218	Development of Inâ€Cell Western Assays Using Farâ€Red Fluorophores. <i>Current Protocols in Chemical Biology</i> , 2011, 3, 39-52.	1.7	3
4219	Intracellular Kinases in Semaphorin Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2007, 600, 24-37.	0.8	19
4220	Cancer Treatment Strategies Targeting Sphingolipid Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2010, 688, 185-205.	0.8	114
4221	Physiological Control of Germline Development. <i>Advances in Experimental Medicine and Biology</i> , 2013, 757, 101-131.	0.8	53
4222	Role of the SHP2 Protein Tyrosine Phosphatase in Cardiac Metabolism. , 2013, , 147-167.		2
4223	The PI3K Pathway in Colorectal Cancers. , 2013, , 157-199.		1
4224	Drugs to Tune Up Glutamatergic Systems: Modulators of Glutamate Metabotropic Receptors. <i>Neuromethods</i> , 2018, , 227-261.	0.2	2
4225	Aberrant Cellular Pathways in PKD. , 2018, , 69-86.		1

#	ARTICLE	IF	CITATIONS
4226	PI3K/Akt/mTOR Pathway: A Growth and Proliferation Pathway. , 2009, , 267-285.		9
4227	Signaling Pathways in Cancer. , 2008, , 153-188.		1
4228	Downstream of mTOR: Translational Control of Cancer. , 2009, , 201-216.		1
4229	Autophagy in Disease. <i>Methods in Molecular Biology</i> , 2010, 648, 79-92.	0.4	21
4230	Contributions of <i>Saccharomyces cerevisiae</i> to Understanding Mammalian Gene Function and Therapy. <i>Methods in Molecular Biology</i> , 2011, 759, 501-523.	0.4	12
4231	A Genome-wide RNAi Screen for Polypeptides that Alter rpS6 Phosphorylation. <i>Methods in Molecular Biology</i> , 2012, 821, 187-214.	0.4	4
4232	Inducible raptor and rictor Knockout Mouse Embryonic Fibroblasts. <i>Methods in Molecular Biology</i> , 2012, 821, 267-278.	0.4	35
4233	Utilizing a Retroviral RNAi System to Investigate In Vivo mTOR Functions in T Cells. <i>Methods in Molecular Biology</i> , 2012, 821, 305-316.	0.4	5
4234	Epigenetic Clock: Just a Convenient Marker or an Active Driver of Aging?. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1178, 175-206.	0.8	26
4235	Amino Acids in Reproductive Nutrition and Health. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1265, 111-131.	0.8	20
4236	The Brewing Yeast. <i>SpringerBriefs in Biochemistry and Molecular Biology</i> , 2015, , 11-49.	0.3	1
4237	The Geroscience Hypothesis: Is It Possible to Change the Rate of Aging?. , 2016, , 1-36.		13
4238	Circadian Rhythms in Diet-Induced Obesity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 960, 19-52.	0.8	97
4239	Polycystic Kidney Disease. , 2009, , 849-887.		17
4240	Aging: Evolutionary Theory Meets Genomic Approaches. , 2009, , 339-360.		1
4241	Emerging Molecular Targets for Anti-proliferative Strategies in Pulmonary Arterial Hypertension. <i>Handbook of Experimental Pharmacology</i> , 2013, 218, 409-436.	0.9	6
4242	Childhood Polycystic Kidney Disease. , 2016, , 1103-1153.		5
4243	Emerging Molecular Targets for Anti-proliferative Strategies in Pulmonary Arterial Hypertension. <i>Handbook of Experimental Pharmacology</i> , 2013, , 409-436.	0.9	7

#	ARTICLE	IF	CITATIONS
4244	Oxygen Perception in Plants. <i>Plant Cell Monographs</i> , 2014, , 3-17.	0.4	5
4245	Mammalian Targets of Rapamycin Inhibitors: Temsirolimus and Everolimus. , 2017, , 273-294.		1
4246	Role of Purine-Converting Ecto-Enzymes in Angiogenic Phenotype of Pulmonary Artery Adventitial Vasa Vasorum Endothelial Cells of Chronically Hypoxic Calves. , 2010, , 73-93.		1
4247	The Role of TOR Signaling in Aging. , 2010, , 147-161.		3
4248	<i>Saccharomyces cerevisiae</i> as a Model Organism for Elucidating Arsenic Tolerance Mechanisms. , 2011, , 87-112.		13
4249	The Retrograde Response and Other Pathways of Interorganelle Communication in Yeast Replicative Aging. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 79-100.	1.0	26
4250	Maximising the Yeast Chronological Lifespan. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 145-159.	1.0	18
4251	Autophagy Upregulation as a Therapeutic Strategy for Neurodegenerative Diseases. , 2013, , 227-238.		4
4252	Anti Cancer Agents from Microbes. , 2017, , 171-184.		4
4253	Autophagy and Ischemic Stroke. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1207, 111-134.	0.8	42
4254	Autophagic Dysfunction in Gaucher Disease and its Rescue by Cathepsin B and D Proteases. , 2014, , 131-146.		1
4255	Introduction to Autophagy. , 2014, , 1-36.		2
4256	Overview of Autophagy. , 2016, , 3-73.		1
4258	Ketamine's dose related multiple mechanisms of actions: Dissociative anesthetic to rapid antidepressant. <i>Behavioural Brain Research</i> , 2020, 390, 112631.	1.2	34
4259	Albiflorin ameliorates obesity by inducing thermogenic genes via AMPK and PI3K/AKT in vivo and in vitro. <i>Metabolism: Clinical and Experimental</i> , 2017, 73, 85-99.	1.5	36
4260	Caffeine Targets TOR Complex I and Provides Evidence for a Regulatory Link between the FRB and Kinase Domains of Tor1p. <i>Journal of Biological Chemistry</i> , 2006, 281, 31616-31626.	1.6	57
4261	Intralacrima Sustained Delivery of Rapamycin Shows Therapeutic Effects without Systemic Toxicity in a Mouse Model of Autoimmune Dacryoadenitis Characteristic of Sjögren's Syndrome. <i>Biomacromolecules</i> , 2021, 22, 1102-1114.	2.6	5
4262	mTOR. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	13

#	ARTICLE	IF	CITATIONS
4263	Colorectal cancer (CRC) as a multifactorial disease and its causal correlations with multiple signaling pathways. <i>Bioscience Reports</i> , 2020, 40, .	1.1	58
4264	(<i>R,S</i>)-Ketamine Metabolites (<i>R,S</i>)-norketamine and (<i>2S,6S</i>)-hydroxynorketamine Increase the Mammalian Target of Rapamycin Function. <i>Anesthesiology</i> , 2014, 121, 149-159.	1.3	96
4265	mTORC1 restricts hepatitis C virus RNA replication through ULK1-mediated suppression of miR-122 and facilitates post-replication events. <i>Journal of General Virology</i> , 2020, 101, 86-95.	1.3	13
4272	Shared signaling networks active in B cells isolated from genetically distinct mouse models of lupus. <i>Journal of Clinical Investigation</i> , 2007, 117, 2186-2196.	3.9	84
4273	Ablation of PI3K blocks BCR-ABL leukemogenesis in mice, and a dual PI3K/mTOR inhibitor prevents expansion of human BCR-ABL+ leukemia cells. <i>Journal of Clinical Investigation</i> , 2008, 118, 3038-3050.	3.9	148
4274	The insulin/Akt pathway controls a specific cell division program that leads to generation of binucleated tetraploid liver cells in rodents. <i>Journal of Clinical Investigation</i> , 2009, 119, 1880-7.	3.9	112
4275	STRAD1 deficiency results in aberrant mTORC1 signaling during corticogenesis in humans and mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 1591-1602.	3.9	96
4276	Developmental stage determines estrogen receptor alpha expression and non-genomic mechanisms that control IGF-1 signaling and mammary proliferation in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 192-204.	3.9	28
4277	mTORC1 regulates cardiac function and myocyte survival through 4E-BP1 inhibition in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2805-2816.	3.9	291
4278	PIK3CA and KRAS mutations predict for response to everolimus therapy: now that's RAD001. <i>Journal of Clinical Investigation</i> , 2010, 120, 2655-2658.	3.9	31
4279	S6 kinase 1 is required for rapamycin-sensitive liver proliferation after mouse hepatectomy. <i>Journal of Clinical Investigation</i> , 2011, 121, 2821-2832.	3.9	68
4280	mTORC2 critically regulates renal potassium handling. <i>Journal of Clinical Investigation</i> , 2016, 126, 1773-1782.	3.9	37
4281	Activation of mTORC1 is essential for β -adrenergic stimulation of adipose browning. <i>Journal of Clinical Investigation</i> , 2016, 126, 1704-1716.	3.9	171
4282	Tuberous sclerosis complex-mediated mTORC1 overactivation promotes age-related hearing loss. <i>Journal of Clinical Investigation</i> , 2018, 128, 4938-4955.	3.9	55
4283	mTORC1-IRE1 pathway activation contributes to palmitate-elicited triglyceride secretion and cell death in hepatocytes. <i>Experimental Biology and Medicine</i> , 2020, 245, 1268-1279.	1.1	5
4284	Production, characterization, and cross-reactivity of a polyclonal antibody against Arabidopsis TARGET OF RAPAMYCIN. <i>Applied Biological Chemistry</i> , 2019, 62, .	0.7	4
4285	The development of body and organ shape. <i>BMC Zoology</i> , 2020, 5, .	0.3	11
4286	Some Phenotypic Characteristics of Nematode <i>Caenorhabditis elegans</i> Strains with Defective Functions of the Sestrin (<i>cSesn</i>) gene. <i>Biomedical and Pharmacology Journal</i> , 2018, 11, 759-767.	0.2	5

#	ARTICLE	IF	CITATIONS
4287	Rictor/TORC2 Regulates <i>Caenorhabditis elegans</i> Fat Storage, Body Size, and Development through <i>sgk-1</i> . <i>PLoS Biology</i> , 2009, 7, e1000060.	2.6	173
4288	Regulation of glial size by eicosapentaenoic acid through a novel Golgi apparatus mechanism. <i>PLoS Biology</i> , 2020, 18, e3001051.	2.6	6
4289	Cyclin G Functions as a Positive Regulator of Growth and Metabolism in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2015, 11, e1005440.	1.5	15
4290	Chronological Lifespan in Yeast Is Dependent on the Accumulation of Storage Carbohydrates Mediated by <i>Yak1</i> , <i>Mck1</i> and <i>Rim15</i> Kinases. <i>PLoS Genetics</i> , 2016, 12, e1006458.	1.5	51
4291	Rictor/TORC2 mediates gut-to-brain signaling in the regulation of phenotypic plasticity in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2018, 14, e1007213.	1.5	41
4292	Antitumor Activity of Rapamycin in a Phase I Trial for Patients with Recurrent PTEN-Deficient Glioblastoma. <i>PLoS Medicine</i> , 2008, 5, e8.	3.9	499
4293	Amino acid metabolic signaling influences <i>Aedes aegypti</i> midgut microbiome variability. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005677.	1.3	67
4294	Glucose Amplifies Fatty Acid-Induced Endoplasmic Reticulum Stress in Pancreatic β -Cells via Activation of mTORC1. <i>PLoS ONE</i> , 2009, 4, e4954.	1.1	116
4295	Short-Term Calorie Restriction in Male Mice Feminizes Gene Expression and Alters Key Regulators of Conserved Aging Regulatory Pathways. <i>PLoS ONE</i> , 2009, 4, e5242.	1.1	75
4296	Rapamycin Response in Tumorigenic and Non-Tumorigenic Hepatic Cell Lines. <i>PLoS ONE</i> , 2009, 4, e7373.	1.1	18
4297	MEF2C Silencing Attenuates Load-Induced Left Ventricular Hypertrophy by Modulating mTOR/S6K Pathway in Mice. <i>PLoS ONE</i> , 2009, 4, e8472.	1.1	36
4298	Regulation of Gene Expression in Hepatic Cells by the Mammalian Target of Rapamycin (mTOR). <i>PLoS ONE</i> , 2010, 5, e9084.	1.1	23
4299	Carboxy Terminal Tail of Polycystin-1 Regulates Localization of TSC2 to Repress mTOR. <i>PLoS ONE</i> , 2010, 5, e9239.	1.1	86
4300	Nicosamide Prevents the Formation of Large Ubiquitin-Containing Aggregates Caused by Proteasome Inhibition. <i>PLoS ONE</i> , 2010, 5, e14410.	1.1	21
4301	The Association of AMPK with ULK1 Regulates Autophagy. <i>PLoS ONE</i> , 2010, 5, e15394.	1.1	408
4302	Insulin and Glucagon Regulate Pancreatic β -Cell Proliferation. <i>PLoS ONE</i> , 2011, 6, e16096.	1.1	66
4303	mTOR Controls Ovarian Follicle Growth by Regulating Granulosa Cell Proliferation. <i>PLoS ONE</i> , 2011, 6, e21415.	1.1	69
4304	The Peptidyl Prolyl Isomerase <i>Rrd1</i> Regulates the Elongation of RNA Polymerase II during Transcriptional Stresses. <i>PLoS ONE</i> , 2011, 6, e23159.	1.1	20

#	ARTICLE	IF	CITATIONS
4305	Calcineurin Inhibitor-Induced and Ras-Mediated Overexpression of VEGF in Renal Cancer Cells Involves mTOR through the Regulation of PRAS40. <i>PLoS ONE</i> , 2011, 6, e23919.	1.1	18
4306	Hepatic Xenobiotic Metabolizing Enzyme and Transporter Gene Expression through the Life Stages of the Mouse. <i>PLoS ONE</i> , 2011, 6, e24381.	1.1	29
4307	Inducing Autophagy by Rapamycin Before, but Not After, the Formation of Plaques and Tangles Ameliorates Cognitive Deficits. <i>PLoS ONE</i> , 2011, 6, e25416.	1.1	357
4308	Transient mTOR Inhibition Facilitates Continuous Growth of Liver Tumors by Modulating the Maintenance of CD133+ Cell Populations. <i>PLoS ONE</i> , 2011, 6, e28405.	1.1	44
4309	Diet and Energy-Sensing Inputs Affect TorC1-Mediated Axon Misrouting but Not TorC2-Directed Synapse Growth in a <i>Drosophila</i> Model of Tuberous Sclerosis. <i>PLoS ONE</i> , 2012, 7, e30722.	1.1	20
4310	Resveratrol Inhibits Inflammatory Responses via the Mammalian Target of Rapamycin Signaling Pathway in Cultured LPS-Stimulated Microglial Cells. <i>PLoS ONE</i> , 2012, 7, e32195.	1.1	141
4311	Genotype-Dependent Efficacy of a Dual PI3K/mTOR Inhibitor, NVP-BEZ235, and an mTOR Inhibitor, RAD001, in Endometrial Carcinomas. <i>PLoS ONE</i> , 2012, 7, e37431.	1.1	67
4312	Nuclear-Cytoplasmic Trafficking of NTF2, the Nuclear Import Receptor for the RanGTPase, Is Subjected to Regulation. <i>PLoS ONE</i> , 2012, 7, e42501.	1.1	8
4313	Longitudinal Imaging Studies of Tumor Microenvironment in Mice Treated with the mTOR Inhibitor Rapamycin. <i>PLoS ONE</i> , 2012, 7, e49456.	1.1	22
4314	Cancerous Inhibitor of Protein Phosphatase 2A Mediates Bortezomib-Induced Autophagy in Hepatocellular Carcinoma Independent of Proteasome. <i>PLoS ONE</i> , 2013, 8, e55705.	1.1	37
4315	Different Patterns of Akt and ERK Feedback Activation in Response to Rapamycin, Active-Site mTOR Inhibitors and Metformin in Pancreatic Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e57289.	1.1	118
4316	Deletion of the Fission Yeast Homologue of Human Insulinase Reveals a TORC1-Dependent Pathway Mediating Resistance to Proteotoxic Stress. <i>PLoS ONE</i> , 2013, 8, e67705.	1.1	11
4317	Targeting mTOR to Overcome Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor Resistance in Non-Small Cell Lung Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e69104.	1.1	42
4318	TBCK Influences Cell Proliferation, Cell Size and mTOR Signaling Pathway. <i>PLoS ONE</i> , 2013, 8, e71349.	1.1	38
4319	Polymorphisms in the mTOR Gene and Risk of Sporadic Prostate Cancer in an Eastern Chinese Population. <i>PLoS ONE</i> , 2013, 8, e71968.	1.1	31
4320	The Role of Phospholipase D in Modulating the MTOR Signaling Pathway in Polycystic Kidney Disease. <i>PLoS ONE</i> , 2013, 8, e73173.	1.1	25
4321	Hydronephrotic Urine in the Obstructed Kidney Promotes Urothelial Carcinoma Cell Proliferation, Migration, Invasion through the Activation of mTORC2-AKT and ERK Signaling Pathways. <i>PLoS ONE</i> , 2013, 8, e74300.	1.1	7
4322	Differential Effects of Selective Inhibitors Targeting the PI3K/AKT/mTOR Pathway in Acute Lymphoblastic Leukemia. <i>PLoS ONE</i> , 2013, 8, e80070.	1.1	59

#	ARTICLE	IF	CITATIONS
4323	The Gastric CB1 Receptor Modulates Ghrelin Production through the mTOR Pathway to Regulate Food Intake. PLoS ONE, 2013, 8, e80339.	1.1	66
4324	Impact of Acute Metal Stress in <i>Saccharomyces cerevisiae</i> . PLoS ONE, 2014, 9, e83330.	1.1	74
4325	Ubiquitin Carboxyl Terminal Hydrolyase L1 -Suppressed Autophagic Degradation of p21WAF1/Cip1 as a Novel Feedback Mechanism in the Control of Cardiac Fibroblast Proliferation. PLoS ONE, 2014, 9, e94658.	1.1	14
4326	Ursolic Acid Inhibits Leucine-Stimulated mTORC1 Signaling by Suppressing mTOR Localization to Lysosome. PLoS ONE, 2014, 9, e95393.	1.1	12
4327	MET and PI3K/mTOR as a Potential Combinatorial Therapeutic Target in Malignant Pleural Mesothelioma. PLoS ONE, 2014, 9, e105919.	1.1	52
4328	AS101 Prevents Diabetic Nephropathy Progression and Mesangial Cell Dysfunction: Regulation of the AKT Downstream Pathway. PLoS ONE, 2014, 9, e114287.	1.1	18
4329	TORC1 Promotes Phosphorylation of Ribosomal Protein S6 via the AGC Kinase Ypk3 in <i>Saccharomyces cerevisiae</i> . PLoS ONE, 2015, 10, e0120250.	1.1	93
4330	The Changes of Lipid Metabolism in Advanced Renal Cell Carcinoma Patients Treated with Everolimus: A New Pharmacodynamic Marker?. PLoS ONE, 2015, 10, e0120427.	1.1	9
4331	Cucurbitacin E Induces Autophagy via Downregulating mTORC1 Signaling and Upregulating AMPK Activity. PLoS ONE, 2015, 10, e0124355.	1.1	29
4332	Hydroxychloroquine Destabilizes Phospho-S6 in Human Renal Carcinoma Cells. PLoS ONE, 2015, 10, e0131464.	1.1	24
4333	Avian Reovirus Protein p17 Functions as a Nucleoporin Tpr Suppressor Leading to Activation of p53, p21 and PTEN and Inactivation of PI3K/AKT/mTOR and ERK Signaling Pathways. PLoS ONE, 2015, 10, e0133699.	1.1	36
4334	Human Dynactin-Associated Protein Transforms NIH3T3 Cells to Generate Highly Vascularized Tumors with Weak Cell-Cell Interaction. PLoS ONE, 2015, 10, e0135836.	1.1	3
4335	Transcriptional and Proteomic Profiling of <i>Aspergillus flavipes</i> in Response to Sulfur Starvation. PLoS ONE, 2015, 10, e0144304.	1.1	33
4336	Dual Targeting of Akt and mTORC1 Impairs Repair of DNA Double-Strand Breaks and Increases Radiation Sensitivity of Human Tumor Cells. PLoS ONE, 2016, 11, e0154745.	1.1	42
4337	The Putative SLC Transporters Mfsd5 and Mfsd11 Are Abundantly Expressed in the Mouse Brain and Have a Potential Role in Energy Homeostasis. PLoS ONE, 2016, 11, e0156912.	1.1	35
4338	P-mTOR Expression and Implication in Breast Carcinoma: A Systematic Review and Meta-Analysis. PLoS ONE, 2017, 12, e0170302.	1.1	5
4339	TOR signaling pathway and autophagy are involved in the regulation of circadian rhythms in behavior and plasticity of L2 interneurons in the brain of <i>Drosophila melanogaster</i> . PLoS ONE, 2017, 12, e0171848.	1.1	33
4340	Intravitreal itraconazole inhibits laser-induced choroidal neovascularization in rats. PLoS ONE, 2017, 12, e0180482.	1.1	12

#	ARTICLE	IF	CITATIONS
4341	Co-ordinated activation of classical and novel PKC isoforms is required for PMA-induced mTORC1 activation. PLoS ONE, 2017, 12, e0184818.	1.1	15
4342	Overproduction of Sch9 leads to its aggregation and cell elongation in <i>Saccharomyces cerevisiae</i> . PLoS ONE, 2018, 13, e0193726.	1.1	2
4343	Mitochondrial dysfunction reduces yeast replicative lifespan by elevating RAS-dependent ROS production by the ER-localized NADPH oxidase Yno1. PLoS ONE, 2018, 13, e0198619.	1.1	28
4344	A SYSTEMATIC REVIEW OF MANAGEMENT OF ORAL LICHEN PLANUS. Journal of Evolution of Medical and Dental Sciences, 2016, 5, 1763-1767.	0.1	2
4345	Molecular Mechanisms of Insulin Resistance Development. Diabetes Mellitus, 2014, 17, 29-40.	0.5	27
4346	Intracellular signalling pathways regulating the adaptation of skeletal muscle to exercise and nutritional changes. Histology and Histopathology, 2009, 24, 209-22.	0.5	37
4347	Skeletal muscle fibre plasticity in response to selected environmental and physiological stimuli. Histology and Histopathology, 2009, 24, 611-29.	0.5	98
4348	Growã,,: the HIF system, energy homeostasis and the cell cycle. Histology and Histopathology, 2014, 29, 589-600.	0.5	22
4349	Effect of Rapamycin on the Radio-Sensitivity of Cultured Tumor Cells Following Boron Neutron Capture Reaction. World Journal of Oncology, 2020, 11, 158-164.	0.6	5
4350	Inositolâ€requiring enzymeâ€1 regulates phosphoinositide signaling lipids and macrophage growth. EMBO Reports, 2020, 21, e51462.	2.0	16
4351	THE ROLE OF OLIGOCHITOSANS IN AKT KINASE REGULATION. Progress on Chemistry and Application of Chitin and Its Derivatives, 2015, XX, 73-81.	0.1	2
4352	Nutrient sensor signaling pathways and cellular stress in fetal growth restriction. Journal of Molecular Endocrinology, 2019, 62, R155-R165.	1.1	44
4353	The Đ60-S6K1 isoform of ribosomal protein S6 kinase 1 is a product of alternative mRNA translation. Ukrainian Biochemical Journal, 2018, 90, 25-35.	0.1	6
4354	Quercetin Regulates Sestrin 2-AMPK-mTOR Signaling Pathway and Induces Apoptosis via Increased Intracellular ROS in HCT116 Colon Cancer Cells. Journal of Cancer Prevention, 2013, 18, 264-270.	0.8	68
4355	Autosomal Dominant Polycystic Kidney Disease Induced by Ciliary Defects. , 0, , 375-396.		4
4356	Tracking autophagy during proliferation and differentiation of <i>Trypanosoma brucei</i> . Microbial Cell, 2014, 1, 9-20.	1.4	18
4357	A novel system to monitor mitochondrial translation in yeast. Microbial Cell, 2018, 5, 158-164.	1.4	11
4358	B Cellâ€Specific Biomarkers for Optimal Antibody Responses to Influenza Vaccination and Molecular Pathways That Reduce B Cell Function with Aging. Critical Reviews in Immunology, 2016, 36, 523-537.	1.0	5

#	ARTICLE	IF	CITATIONS
4359	Aging: past, present and future. <i>Aging</i> , 2009, 1, 1-5.	1.4	48
4360	Extension of chronological life span by reduced TOR signaling requires down-regulation of Sch9p and involves increased mitochondrial OXPHOS complex density. <i>Aging</i> , 2009, 1, 131-145.	1.4	151
4361	Validation of anti-aging drugs by treating age-related diseases. <i>Aging</i> , 2009, 1, 281-288.	1.4	135
4362	Why human lifespan is rapidly increasing: solving "longevity riddle" with "revealed-slow-aging" hypothesis. <i>Aging</i> , 2010, 2, 177-182.	1.4	60
4363	Nutrient withdrawal rescues growth factor-deprived cells from mTOR-dependent damage. <i>Aging</i> , 2010, 2, 487-503.	1.4	33
4364	Xenohormetic, hormetic and cytostatic selective forces driving longevity at the ecosystemic level. <i>Aging</i> , 2010, 2, 461-470.	1.4	18
4365	Why the disposable soma theory cannot explain why women live longer and why we age. <i>Aging</i> , 2010, 2, 884-887.	1.4	30
4366	Metformin and sex: why suppression of aging may be harmful to young male mice. <i>Aging</i> , 2010, 2, 897-899.	1.4	16
4367	DNA damaging agents and p53 do not cause senescence in quiescent cells, while consecutive re-activation of mTOR is associated with conversion to senescence. <i>Aging</i> , 2010, 2, 924-935.	1.4	155
4368	Insights from model organisms on the functions of the tumor suppressor protein LKB1: Zebrafish chips in. <i>Aging</i> , 2011, 3, 363-367.	1.4	10
4369	Molecular damage in cancer: an argument for mTOR-driven aging. <i>Aging</i> , 2011, 3, 1130-1141.	1.4	76
4370	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
4371	Once again on rapamycin-induced insulin resistance and longevity: despite of or owing to. <i>Aging</i> , 2012, 4, 350-358.	1.4	73
4372	New nanoformulation of rapamycin Rapatar extends lifespan in homozygous p53 ^{+/+} mice by delaying carcinogenesis. <i>Aging</i> , 2012, 4, 715-722.	1.4	102
4373	Potential anti-aging agents suppress the level of constitutive mTOR- and DNA damage- signaling. <i>Aging</i> , 2012, 4, 952-965.	1.4	86
4374	Mechanistic or mammalian target of rapamycin (mTOR) may determine robustness in young male mice at the cost of accelerated aging. <i>Aging</i> , 2012, 4, 899-916.	1.4	45
4375	Big mice die young but large animals live longer. <i>Aging</i> , 2013, 5, 227-233.	1.4	42
4376	Serum from calorie-restricted animals delays senescence and extends the lifespan of normal human fibroblasts in vitro. <i>Aging</i> , 2015, 7, 152-166.	1.4	20

#	ARTICLE	IF	CITATIONS
4377	Quantitative proteomics of rat livers shows that unrestricted feeding is stressful for proteostasis with implications on life span. <i>Aging</i> , 2016, 8, 1735-1758.	1.4	18
4378	Slm35 links mitochondrial stress response and longevity through TOR signaling pathway. <i>Aging</i> , 2016, 8, 3255-3271.	1.4	13
4379	Mitogen-activated protein kinases, Fus3 and Kss1, regulate chronological lifespan in yeast. <i>Aging</i> , 2017, 9, 2587-2609.	1.4	11
4380	Rapamycin for longevity: opinion article. <i>Aging</i> , 2019, 11, 8048-8067.	1.4	127
4381	The effect of rapamycin on bovine oocyte maturation success and metaphase telomere length maintenance. <i>Aging</i> , 2020, 12, 7576-7584.	1.4	18
4382	From causes of aging to death from COVID-19. <i>Aging</i> , 2020, 12, 10004-10021.	1.4	99
4383	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
4384	The mTOR/AP-1/VEGF signaling pathway regulates vascular endothelial cell growth. <i>Oncotarget</i> , 2016, 7, 53269-53276.	0.8	32
4385	Targeting TOR dependence in cancer. <i>Oncotarget</i> , 2010, 1, 69-76.	0.8	43
4386	Growth factor progranulin promotes tumorigenesis of cervical cancer via PI3K/Akt/mTOR signaling pathway. <i>Oncotarget</i> , 2016, 7, 58381-58395.	0.8	48
4387	Gene-gene interactions in gastrointestinal cancer susceptibility. <i>Oncotarget</i> , 2016, 7, 67612-67625.	0.8	19
4388	A phase 1 study of oral ridaforolimus in pediatric patients with advanced solid tumors. <i>Oncotarget</i> , 2016, 7, 84736-84747.	0.8	22
4389	Elevation of n-3/n-6 PUFAs ratio suppresses mTORC1 and prevents colorectal carcinogenesis associated with APC mutation. <i>Oncotarget</i> , 2016, 7, 76944-76954.	0.8	21
4390	Targeting Rb Mutant Cancers by Inactivating TSC2. <i>Oncotarget</i> , 2010, 1, 228-232.	0.8	11
4391	Targeting protein kinase CK2 suppresses bladder cancer cell survival via the glucose metabolic pathway. <i>Oncotarget</i> , 2016, 7, 87361-87372.	0.8	21
4392	Potentiation 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
4393	Transient activation of the PI3K/Akt pathway promotes Newcastle disease virus replication and enhances anti-apoptotic signaling responses. <i>Oncotarget</i> , 2017, 8, 23551-23563.	0.8	25
4394	P53 suppresses ribonucleotide reductase via inhibiting mTORC1. <i>Oncotarget</i> , 2017, 8, 41422-41431.	0.8	24

#	ARTICLE	IF	CITATIONS
4395	Gene polymorphisms in the PI3K/AKT/mTOR signaling pathway contribute to prostate cancer susceptibility in Chinese men. <i>Oncotarget</i> , 2017, 8, 61305-61317.	0.8	11
4396	Effects of targeting SLC1A5 on inhibiting gastric cancer growth and tumor development <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2017, 8, 76458-76467.	0.8	37
4397	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
4398	Molecular targeting of cell-permeable peptide inhibits pancreatic ductal adenocarcinoma cell proliferation. <i>Oncotarget</i> , 2017, 8, 113662-113672.	0.8	5
4399	Catalytic mTOR inhibitors can overcome intrinsic and acquired resistance to allosteric mTOR inhibitors. <i>Oncotarget</i> , 2014, 5, 8544-8557.	0.8	56
4400	Novel robust biomarkers for human bladder cancer based on activation of intracellular signaling pathways. <i>Oncotarget</i> , 2014, 5, 9022-9032.	0.8	43
4401	HS-133, a novel fluorescent phosphatidylinositol 3-kinase inhibitor as a potential imaging and anticancer agent for targeted therapy. <i>Oncotarget</i> , 2014, 5, 10180-10197.	0.8	5
4402	Gab1 is essential for membrane translocation, activity and integrity of mTORCs after EGF stimulation in urothelial cell carcinoma. <i>Oncotarget</i> , 2015, 6, 1478-1489.	0.8	11
4403	Targeting Hsp90 in urothelial carcinoma. <i>Oncotarget</i> , 2015, 6, 8454-8473.	0.8	31
4404	Aberrant amino acid signaling promotes growth and metastasis of hepatocellular carcinomas through Rab1A-dependent activation of mTORC1 by Rab1A. <i>Oncotarget</i> , 2015, 6, 20813-20828.	0.8	61
4405	Etoposide enhances antitumor efficacy of MDR1-driven oncolytic adenovirus through autoupregulation of the <i>MDR1</i> promoter activity. <i>Oncotarget</i> , 2015, 6, 38308-38326.	0.8	5
4406	Inhibition of protein kinase CK2 by CX-5011 counteracts imatinib-resistance preventing rpS6 phosphorylation in chronic myeloid leukaemia cells: new combined therapeutic strategies. <i>Oncotarget</i> , 2016, 7, 18204-18218.	0.8	19
4407	Recent progress in genetics of aging, senescence and longevity: focusing on cancer-related genes. <i>Oncotarget</i> , 2012, 3, 1522-1532.	0.8	24
4408	Phosphorylation of gH2AX as a novel prognostic biomarker for laryngoesophageal dysfunction-free survival. <i>Oncotarget</i> , 2016, 7, 31723-31737.	0.8	15
4409	Microphthalmia-associated transcription factors activate mTORC1 through RagD GTPase gene expression. <i>Translational Cancer Research</i> , 2017, 6, S1234-S1238.	0.4	4
4410	Recent Advances of mTOR Inhibitors Use in Autosomal Dominant Polycystic Kidney Disease: Is the Road Still Open?. <i>Current Medicinal Chemistry</i> , 2019, 26, 2962-2973.	1.2	5
4411	Calorie Restriction and Dietary Restriction Mimetics: A Strategy for Improving Healthy Aging and Longevity. <i>Current Pharmaceutical Design</i> , 2014, 20, 2950-2977.	0.9	121
4412	Modulation of Cell Death in Age-Related Diseases. <i>Current Pharmaceutical Design</i> , 2014, 20, 3052-3067.	0.9	14

#	ARTICLE	IF	CITATIONS
4413	Aging as an Epigenetic Phenomenon. <i>Current Genomics</i> , 2017, 18, 385-407.	0.7	58
4414	The PIK3CA Gene as a Mutated Target for Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2008, 8, 733-740.	0.8	41
4415	Osimertinib Quantitative and Gene Variation Analyses in Cerebrospinal Fluid and Plasma of a Non-small Cell Lung Cancer Patient with Leptomeningeal Metastases. <i>Current Cancer Drug Targets</i> , 2019, 19, 666-673.	0.8	11
4416	Metabolic Effects of Metformin in Humans. <i>Current Diabetes Reviews</i> , 2019, 15, 328-339.	0.6	8
4417	Hitting the Golden TORget: Curcumin's Effects on mTOR Signaling. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 988-994.	0.9	41
4418	Prognosis, Significance and Positive Correlation of Rab1A and p-S6K/Gli1 Expression in Gastric Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 1359-1367.	0.9	8
4419	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
4420	Apatinib has anti-tumor effects and induces autophagy in colon cancer cells. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 990-995.	1.0	37
4421	The role of sirolimus in proteinuria in diabetic nephropathy rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 1339-1344.	1.0	5
4422	Therapeutic effects of organic zinc on reproductive hormones, insulin resistance and expression, as a novel component, in a rat model of Polycystic ovary syndrome. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 36-45.	1.0	7
4423	Effect of Protein Supplementation on Exercise-Induced Muscle Damage. <i>Korean Journal of Sport Science</i> , 2010, 21, 1298-1314.	0.0	5
4424	The Effect of Dietary Creatine and Leucine Supplementation on Protein Synthesis and Functional Properties of Skeletal Muscle During 8 Weeks of Resistance Exercise. <i>Korean Journal of Sport Science</i> , 2014, 25, 1-9.	0.0	1
4425	Yeast as a model system to study glucose-mediated signalling and response. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2358.	3.0	12
4426	Sphingolipid signaling in yeast potential implications for understanding disease. <i>Frontiers in Bioscience - Elite</i> , 2013, E5, 97-108.	0.9	23
4427	Hematopoietic modulators as potential agents for the treatment of leukemia. <i>Frontiers in Bioscience - Elite</i> , 2013, E5, 130-140.	0.9	8
4428	Comparison of the Amino Acid and Peptide Composition and Postprandial Response of Beef, Chicken, and Whey Protein Nutritional Preparations. <i>Functional Foods in Health and Disease</i> , 2016, 6, 612.	0.3	5
4429	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
4430	mTOR Signaling Combined with Cancer Stem Cell Markers as a Survival Predictor in Stage II Colorectal Cancer. <i>Yonsei Medical Journal</i> , 2020, 61, 572.	0.9	4

#	ARTICLE	IF	CITATIONS
4431	Effects of Rapid or Slow Body Weight Reduction on Intramuscular Protein Degradation Pathways During Equivalent Weight Loss on Rats. <i>Physiological Research</i> , 2017, 66, 823-831.	0.4	5
4432	Targeting the PI3K/AKT/mTOR/NFκB Axis in Ovarian Cancer. , 2020, 2, 68-73.		12
4433	Controlling animal growth and body size – does fruit fly physiology point the way?. <i>F1000 Biology Reports</i> , 2012, 4, 12.	4.0	23
4434	The Expression and Effect of mTOR During Mouse Oocyte Maturation. <i>Progress in Biochemistry and Biophysics</i> , 2009, 36, 1334-1339.	0.3	4
4435	Growth factor receptors and related signalling pathways as targets for novel treatment strategies of hepatocellular cancer. <i>World Journal of Gastroenterology</i> , 2008, 14, 1.	1.4	98
4436	Treatment of gastrointestinal neuroendocrine tumors with inhibitors of growth factor receptors and their signaling pathways: Recent advances and future perspectives. <i>World Journal of Gastroenterology</i> , 2008, 14, 2461.	1.4	30
4437	Targeted medical therapy of biliary tract cancer: Recent advances and future perspectives. <i>World Journal of Gastroenterology</i> , 2008, 14, 7021.	1.4	11
4438	Targeted systemic therapies for hepatocellular carcinoma: Clinical perspectives, challenges and implications. <i>World Journal of Gastroenterology</i> , 2012, 18, 498.	1.4	52
4439	Impairment of innate immune responses in cirrhotic patients and treatment by branched-chain amino acids. <i>World Journal of Gastroenterology</i> , 2014, 20, 7298.	1.4	24
4441	AMPK activation protects astrocytes from hypoxia-induced cell death. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1385-1396.	1.8	9
4442	Microarray analysis suggests that burn injury results in mitochondrial dysfunction in human skeletal muscle. <i>International Journal of Molecular Medicine</i> , 2009, 24, 387-92.	1.8	22
4443	Historical retrospective of the SRC oncogene and new perspectives (Review). <i>Molecular and Clinical Oncology</i> , 2020, 13, 21.	0.4	12
4444	Nucleobindin-2 enhances the epithelial-mesenchymal transition in renal cell carcinoma. <i>Oncology Letters</i> , 2020, 19, 3653-3664.	0.8	10
4445	Adenosine triphosphate promotes locomotor recovery after spinal cord injury by activating mammalian target of rapamycin pathway in rats. <i>Neural Regeneration Research</i> , 2013, 8, 101-10.	1.6	7
4446	Insulin caused drug resistance to oxaliplatin in colon cancer cell line HT29. <i>Journal of Gastrointestinal Oncology</i> , 2011, 2, 27-33.	0.6	51
4447	Metabolomic Response of <i>Chlamydomonas reinhardtii</i> to the Inhibition of Target of Rapamycin (TOR) by Rapamycin. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 923-931.	0.9	34
4448	Exploring the Potentials of Antioxidants in Retarding Ageing. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2017, , 166-195.	0.3	1
4449	mTOR signaling cascade in psoriatic disease: Double kinase mtor inhibitor a novel therapeutic target. <i>Indian Journal of Dermatology</i> , 2014, 59, 67.	0.1	36

#	ARTICLE	IF	CITATIONS
4450	Neuroprotective effects of rapamycin on spinal cord injury in rats by increasing autophagy and Akt signaling. <i>Neural Regeneration Research</i> , 2019, 14, 721.	1.6	42
4451	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
4452	Autophagy and inflammation in ischemic stroke. <i>Neural Regeneration Research</i> , 2020, 15, 1388.	1.6	193
4453	Flavonoids as novel neuroprotective nutraceuticals. <i>Saudi Journal for Health Sciences</i> , 2015, 4, 1.	0.1	6
4454	Regulation of blood-testis barrier dynamics by the mTORC1/rpS6 signaling complex: An in vitro study. <i>Asian Journal of Andrology</i> , 2019, 21, 365.	0.8	11
4455	Resveratrol inhibits mTOR signaling by targeting DEPTOR. <i>Communicative and Integrative Biology</i> , 2011, 4, 382-4.	0.6	14
4456	Maf1 regulation: A model of signal transduction inside the nucleus. <i>Nucleus</i> , 2010, 1, 162-165.	0.6	23
4457	SUP35 expression is enhanced in yeast containing [ISP+], a prion form of the transcriptional regulator Sfp1. <i>Prion</i> , 2011, 5, 317-322.	0.9	6
4458	Metformin and mTOR Inhibitors: Allies against Ovarian and Breast Cancers. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2017, 08, .	0.3	1
4459	Papillary Thyroid Carcinoma with Prominent Hobnail Features Diagnosed Preoperatively by Fine Needle Aspiration and Demonstrating Constitutive Activation of mTOR Signaling Pathway: A Case Report. , 2014, 04, .		5
4460	Autophagy - An Emerging Anti-Aging Mechanism?. , 2012, s4, .		74
4461	Clinical and Molecular Assessment in a Female with Fragile X Syndrome and Tuberous Sclerosis. <i>Journal of Genetic Disorders & Genetic Reports</i> , 2016, 5, .	0.1	1
4462	Effects of Dietary Soy Protein Concentrate on Growth, Digestive Enzymes Activities and Target of Rapamycin Signaling Pathway Regulation in Juvenile Soft-Shell Turtle, <i>Pelodiscus sinensis</i>. <i>Agricultural Sciences</i> , 2015, 06, 335-345.	0.2	3
4463	Molecular and biochemical trajectories from diabetes to Alzheimer's disease: A critical appraisal. <i>World Journal of Diabetes</i> , 2015, 6, 1223.	1.3	35
4464	mTOR Signaling and Entrainment of the Mammalian Circadian Clock. <i>Molecular and Cellular Pharmacology</i> , 2010, 2, 125-130.	1.7	33
4465	Readability of Texts: State of the Art. <i>Theory and Practice in Language Studies</i> , 2012, 2, .	0.1	92
4466	Physiological roles of mitogen-activated-protein-kinase-activated p38-regulated/activated protein kinase. <i>World Journal of Biological Chemistry</i> , 2011, 2, 73.	1.7	35
4467	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

#	ARTICLE	IF	CITATIONS
4468	Renal cell carcinoma: how to hit the targets?. Central European Journal of Urology, 2013, 66, 394-404.	0.2	13
4469	Targeting metastatic upper gastrointestinal adenocarcinomas. World Journal of Clinical Oncology, 2011, 2, 135.	0.9	4
4470	Regulation of Skeletal Muscle Differentiation by Akt. Journal of Life Science, 2012, 22, 447-455.	0.2	2
4471	The functions of mTOR in ischemic diseases. BMB Reports, 2011, 44, 506-511.	1.1	53
4472	Antineoplastic effects of mammalian target of rapamycin inhibitors. World Journal of Transplantation, 2012, 2, 74.	0.6	12
4473	Introduction of everolimus in kidney transplant recipients at a late posttransplant stage. World Journal of Transplantation, 2018, 8, 150-155.	0.6	7
4474	Selective gene expression profiling of mTOR-associated tumor suppressor and oncogenes in ovarian cancer. Folia Histochemica Et Cytobiologica, 2011, 49, 317-324.	0.6	12
4475	Rapamycin Rescues the Poor Developmental Capacity of Aged Porcine Oocytes. Asian-Australasian Journal of Animal Sciences, 2014, 27, 635-647.	2.4	42
4476	Signaling Pathways in Liver Cancer. , 0, , .		4
4477	S6 Kinase: A Compelling Prospect for Therapeutic Interventions. , 0, , .		4
4478	NCCN Task Force Report: mTOR Inhibition in Solid Tumors. Journal of the National Comprehensive Cancer Network: JNCCN, 2008, 6, S-1-S-20.	2.3	29
4479	Regulation of Vid-dependent degradation of FBPase by TCO89, a component of TOR Complex 1. International Journal of Biological Sciences, 2010, 6, 361-370.	2.6	3
4480	Use of Oral Antidiabetic Drugs (Metformin and Pioglitazone) in Diabetic Patients with Breast Cancer: How Does It Effect on Serum Hif-1 Alpha and 8Ohdg Levels?. Asian Pacific Journal of Cancer Prevention, 2012, 13, 5143-5148.	0.5	26
4481	Metformin Inhibits Growth of Hepatocellular Carcinoma Cells by Inducing Apoptosis Via Mitochondrion-mediated Pathway. Asian Pacific Journal of Cancer Prevention, 2012, 13, 3275-3279.	0.5	35
4482	Potential Targets for Prevention of Colorectal Cancer: a Focus on PI3K/Akt/mTOR and Wnt Pathways. Asian Pacific Journal of Cancer Prevention, 2013, 14, 2201-2205.	0.5	179
4483	LKB1/AMPK/mTOR Signaling Pathway in Non-small-cell Lung Cancer. Asian Pacific Journal of Cancer Prevention, 2013, 14, 4033-4039.	0.5	78
4484	Down-regulation of Phosphoglucose Isomerase/Autocrine Motility Factor Enhances Gensenoside Rh2 Pharmacological Action on Leukemia KG1± Cells. Asian Pacific Journal of Cancer Prevention, 2014, 15, 1099-1104.	0.5	15
4485	Emerging function of mTORC2 as a core regulator in glioblastoma: metabolic reprogramming and drug resistance. Cancer Biology and Medicine, 2014, 11, 255-63.	1.4	44

#	ARTICLE	IF	CITATIONS
4486	The E3 ubiquitin ligase ZNRF2 is a substrate of mTORC1 and regulates its activation by amino acids. <i>ELife</i> , 2016, 5, .	2.8	22
4487	Regulation of mTORC1 by lysosomal calcium and calmodulin. <i>ELife</i> , 2016, 5, .	2.8	107
4488	mTORC1 and mTORC2 differentially promote natural killer cell development. <i>ELife</i> , 2018, 7, .	2.8	53
4489	The GATOR complex regulates an essential response to meiotic double-stranded breaks in <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	2.8	15
4490	A tRNA modification balances carbon and nitrogen metabolism by regulating phosphate homeostasis. <i>ELife</i> , 2019, 8, .	2.8	49
4491	Sex-specific transcriptomic responses to changes in the nutritional environment. <i>ELife</i> , 2019, 8, .	2.8	45
4492	Antagonistic regulation by insulin-like peptide and activin ensures the elaboration of appropriate dendritic field sizes of amacrine neurons. <i>ELife</i> , 2020, 9, .	2.8	18
4493	Genetic inactivation of mTORC1 or mTORC2 in neurons reveals distinct functions in glutamatergic synaptic transmission. <i>ELife</i> , 2020, 9, .	2.8	47
4494	High-fat diet enhances starvation-induced hyperactivity via sensitizing hunger-sensing neurons in <i>Drosophila</i> . <i>ELife</i> , 2020, 9, .	2.8	29
4495	Transcriptomic profiling of mTOR and ryanodine receptor signaling molecules in developing zebrafish in the absence and presence of PCB 95. <i>PeerJ</i> , 2017, 5, e4106.	0.9	7
4496	Cyclodipeptides from <i>Pseudomonas aeruginosa</i> modulate the maize (<i>Zea mays</i> L.) root system and promote S6 ribosomal protein kinase activation. <i>PeerJ</i> , 2019, 7, e7494.	0.9	3
4497	The Effects of High Hydrostatic Pressure on the Complex Intermolecular Networks in a Living Cell. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2021, 31, 54-65.	0.1	1
4498	[6]-Gingerol Suppresses Oral Cancer Cell Growth by Inducing the Activation of AMPK and Suppressing the AKT/mTOR Signaling Pathway. <i>In Vivo</i> , 2021, 35, 3193-3201.	0.6	9
4499	TOR regulates plant development and plant-microorganism interactions. <i>Journal of Applied Biotechnology & Bioengineering</i> , 2021, 8, 68-74.	0.0	0
4500	Diosmetin Induces Modulation of Igf-1 and Il-6 Levels to Alter Rictor-Akt-PKC ζ Cascade in Inhibition of Prostate Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 4741.	1.0	4
4502	Fission Yeast TORC2 Signaling Pathway Ensures Cell Proliferation under Glucose-Limited, Nitrogen-Replete Conditions. <i>Biomolecules</i> , 2021, 11, 1465.	1.8	8
4503	Playing the Devil's Advocate: Should We Give a Second Chance to mTOR Inhibition in Renal Clear Cell Carcinoma? â€” Strategies to Revert Resistance to mTOR Inhibitors. <i>Cancer Management and Research</i> , 2021, Volume 13, 7623-7636.	0.9	6
4504	Cdk8 Kinase Module: A Mediator of Life and Death Decisions in Times of Stress. <i>Microorganisms</i> , 2021, 9, 2152.	1.6	9

#	ARTICLE	IF	CITATIONS
4505	Cholecystokinin 1 receptor activation restores normal mTORC1 signaling and is protective to Purkinje cells of SCA mice. <i>Cell Reports</i> , 2021, 37, 109831.	2.9	11
4506	Cancer and Covid-19: Collectively catastrophic. <i>Cytokine and Growth Factor Reviews</i> , 2022, 63, 78-89.	3.2	10
4507	Making a Killer: Selecting the Optimal Natural Killer Cells for Improved Immunotherapies. <i>Frontiers in Immunology</i> , 2021, 12, 765705.	2.2	4
4508	mTORC2 Activation Mediated by Mesenchymal Stem Cell-Secreted Hepatocyte Growth Factors for the Recovery of Lipopolysaccharide-Induced Vascular Endothelial Barrier. <i>Stem Cells International</i> , 2021, 2021, 1-12.	1.2	3
4509	Understanding circadian regulation of mammalian cell function, protein homeostasis, and metabolism. <i>Current Opinion in Systems Biology</i> , 2021, 28, 100391.	1.3	18
4510	AZD2014, a dual mTOR inhibitor, attenuates cardiac hypertrophy in vitro and in vivo. <i>Journal of Biological Engineering</i> , 2021, 15, 24.	2.0	0
4511	Complement factor B in high glucose-induced podocyte injury and diabetic kidney disease. <i>JCI Insight</i> , 2021, 6, .	2.3	13
4512	Fisetin-induced PTEN expression reverses cellular senescence by inhibiting the mTORC2-Akt Ser473 phosphorylation pathway in vascular smooth muscle cells. <i>Experimental Gerontology</i> , 2021, 156, 111598.	1.2	13
4513	Can Post-Transcription Modifiers Change the Course of Prostate Cancer?. <i>Translational Medicine Series</i> , 2006, , 179-194.	0.0	0
4514	TOR signaling and control of cell growth. <i>FASEB Journal</i> , 2007, 21, A206.	0.2	6
4515	The Mammalian Target of Rapamycin and Multiple Myeloma. , 2008, , 323-330.		0
4516	Molecular Signaling Mechanisms of Myocardial Stretch: Implications for Heart Disease. , 2009, , 55-81.		3
4517	mTOR and Cancer Therapy: General Principles. , 2009, , 113-131.		0
4518	mTORC1: A Signaling Integration Node Involved in Cell Growth. , 2009, , 1-36.		1
4519	Factors in the Causation of Female Cancers and Prevention. , 2010, , 175-194.		0
4520	3-Phosphoinositide-Dependent Protein Kinase is a Switchboard from Signaling Lipids to Protein Phosphorylation Cascades. <i>Plant Cell Monographs</i> , 2010, , 243-259.	0.4	0
4521	Rapamycin-Induced Abundance Changes in the Proteome of Budding Yeast. <i>Genomics and Informatics</i> , 2009, 7, 203-207.	0.4	0
4522	Exploring Mechanisms of Aging Retardation by Caloric Restriction: Studies in Model Organisms and Mammals. , 2010, , 69-96.		0

#	ARTICLE	IF	CITATIONS
4523	The Neurobiology of Aging. , 2010, , 150-157.		0
4524	Translational Control by Amino Acids and Energy. , 2010, , 2285-2293.		3
4526	Maintaining Energy Balance in Health and Disease: Role of the AMP-Activated Protein Kinase. , 2011, , 199-232.		0
4527	Effects and Therapeutic Potential of Targeting Dysregulated Signaling Axes in Squamous Cell Carcinoma: Another Kinase of Transcription and Mammalian Target of Rapamycin. , 2011, , 383-405.		0
4528	TSC1/TSC2 Signaling in Pancreatic Î²-Cells. The Open Endocrinology Journal, 2010, 4, 33-39.	0.1	0
4529	Recent Developments in Budding Yeast Aging Research and Future Directions. Journal of the Brewing Society of Japan, 2011, 106, 794-800.	0.1	0
4530	Mammalian Target of Rapamycin. , 2011, , 2150-2151.		0
4531	Fetal Requirements and Placental Transfer of Nitrogenous Compounds. , 2011, , 585-602.		0
4532	Rapamycin. , 2011, , 3173-3175.		0
4533	Biomarkers in Head and Neck Cancer. , 2011, , 157-167.		0
4534	The Role of Adipose Tissue Vasculature in Energy Balance. Journal of Korean Society of Pediatric Endocrinology, 2011, 16, 139.	0.2	3
4535	Anti-tumor effect of the insulin-like growth factor-1 receptor (IGF-1R) on human pancreatic cancer cells in both in vitro and in vivo studies. Suizo, 2011, 26, 575-582.	0.1	0
4537	Walking on the Molecular Pathway: m-TOR Inhibition in the Liver Transplant Setting. The Open Transplantation Journal, 2011, 5, 35-43.	0.1	0
4538	Ovarian Follicle Development and Fertility Preservation. , 2012, , 29-43.		0
4539	Mouse Models of Human Cancer: Role in Preclinical Testing and Personalized Medicine. , 2012, , 569-589.		1
4540	The Role of mTOR Inhibitors and P13K Pathway Blockade in RCC. , 2012, , 209-223.		0
4541	A Hypothetical Anti-Aging Mechanism of “Yang-Invigorating” Chinese Tonic Herbs. Chinese Medicine, 2012, 03, 72-78.	1.0	2
4542	B Cell Growth, Differentiation and Malignancies. , 2012, , 1-20.		0

#	ARTICLE	IF	CITATIONS
4543	AMPK and Metabolic Remodeling in Cardiac Disease. , 2012, , 113-150.		0
4544	Tissue Biomarkers in Renal Cell Carcinoma: Intermediate Endpoints in the Selection of Targeted Agents for RCC. , 2012, , 69-89.		0
4545	Translational Control in Myeloid Disease. , 0, , .		0
4546	Signalling Oxidative Stress in <i>Saccharomyces cerevisiae</i> . , 0, , .		0
4549	Ovarian Follicle Development and Fertility Preservation. , 2013, , 33-51.		0
4550	AICAR (5-aminoimidazole-4-carboxamide-1- β -D-ribose) Decreases Protein Synthesis in C2C12 Myotubes Cultured in High Glucose Media. <i>Journal of Animal Science and Technology</i> , 2012, 54, 369-373.	0.8	0
4551	Molecular Regulators of Metabolism and Cardiometabolic Disease. <i>Indonesian Biomedical Journal</i> , 2012, 4, 129.	0.2	0
4552	Prerequisite Genetic Traits for Metastasis. , 2013, , 403-444.		0
4553	æ,,éŠæŠ•ă,Žă«ă,â,ç™Ĉâ†...âĈ—æ©—æ©ÿæš•ăâ^†â³/4; The Japanese Journal of SURGICAL METABOLISM and NUTRITION, 2013, 47, 6		0
4554	Cell Cycle Signaling, Metabolic Pathway. , 2013, , 314-316.		0
4555	rDNA and Nucleogenesis in <i>Drosophila</i> . , 2013, , 39-78.		1
4558	Molecular Characterization and Expression Analysis of S6K1 in Cashmere Goats (<itali>Capra) Tj ETQq1 1 0.784314 rgBT /Overbo	2.4	0
4559	Molecular Characterization and Expression Analysis of Ribosomal Protein S6 Gene in the Cashmere Goat (<itali>Capra hircus</itali>). <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 1644-1650.	2.4	2
4560	Nierenzellkarzinom. , 2014, , 347-397.		0
4561	Tacrolimus, Sirolimus, and Mycophenolate Mofetil. , 2014, , 167-173.		0
4562	Emerging Roles of Phospholipase D in Pathophysiological Signaling. , 2014, , 359-379.		0
4563	Novel Ubiquitin E3 Ligases as Targets for Cancer Therapy: Focus on Breast Cancer-Associated Gene 2 (BCA2). Resistance To Targeted Anti-cancer Therapeutics, 2014, , 317-346.	0.1	0
4564	Autophagy: a Fundamental Cytoplasmic Sanitation Process Operational in All Cell Types Including Macrophages. , 0, , 419-425.		0

#	ARTICLE	IF	CITATIONS
4565	Aspergillus fumigatus: Survival and Death under Stress. , 0, , 201-213.		0
4566	From Molecular Pathways to ASD Therapy: Insights from Syndromic Forms of Autism. , 2014, , 23-46.		0
4567	Leucine-Protein Supplemented Recovery and Exercise. , 2015, , 15-32.		0
4568	ART for Antiaging. Springer Briefs in Molecular Science, 2015, , 79-108.	0.1	0
4569	Future Therapy for Gravesâ€™ Disease and Ophthalmopathy. , 2015, , 317-336.		0
4570	Rapamycin. , 2015, , 1-4.		0
4571	Models and Mechanisms of High-Fat Diet (HFD) Promotion of Pancreatic Cancer. Energy Balance and Cancer, 2015, , 197-215.	0.2	0
4572	Novel Therapies on the Horizon. Pediatric Oncology, 2015, , 265-291.	0.5	0
4573	Childhood Polycystic Kidney Disease. , 2015, , 1-58.		1
4574	Autophagy in Cancer Therapy: Progress and Issues. Journal of Cancer Research Updates, 2015, 4, 1-12.	0.3	0
4575	24 month follow up to a late conversion from a calcineurin inhibitor regimen to everolimus in kidney transplant recipients. Revista Colombiana De NefrologÃa, 2015, 2, 78-95.	0.1	0
4576	SelectiveTSC1deletion in smooth muscle activates mTOR signaling and induces pulmonary hypertension. , 2015, , .		0
4577	Energy and Mammalian Target of Rapamycin Complex 1 (mTORC1) in Minimal Change Nephrotic Syndrome. , 2016, , 63-79.		0
4578	The Impact of Cancer Treatments on Aging. , 2016, , 85-119.		0
4579	Targeted Therapies for Neuroendocrine Neoplasms. , 2016, , 505-516.		0
4580	Rapamycin. , 2016, , 3908-3911.		0
4582	Role of Proteases in Regulating Cell Death Pathways. , 2017, , 535-551.		0
4583	The tissue and molecular basis of folliculogenesis. Mechanisms of early follicular growth. Russian Journal of Human Reproduction, 2017, 23, 33.	0.1	1

#	ARTICLE	IF	CITATIONS
4584	Metabolic Engineering of Cyanidioschyzon merolae. , 2017, , 343-354.		0
4585	Molecular Regulation of Skeletal Muscle Hypertrophy and Atrophy. The Japanese Journal of Rehabilitation Medicine, 2017, 54, 756-760.	0.0	0
4587	Inhibition of mTOR signaling pathway by aqueous extract of Siberian ginseng. Journal of Korean Medicine, 2017, 38, 7-14.	0.1	2
4589	The Yeast FKH/APC Stress and Sch9/Tor1 Nutrient Response Pathways Mutually Antagonize One Another to Determine Yeast Lifespan. SSRN Electronic Journal, 0, , .	0.4	0
4590	Efficiency of late conversion from mycophenolate mofetil to everolimus in kidney graft recipients with posttransplant malignancy. Vestnik Transplantologii I Iskusstvennykh Organov, 2018, 19, 16-26.	0.1	0
4591	Methylmercury Induces Cytotoxicity through Inhibition of PTEN Activity by a Decrease in Its Solubility. BPB Reports, 2018, 1, 1-5.	0.1	1
4596	Rosmarinus Improved Skin Flap Survival Through mTOR Dependent Pathway. Serbian Journal of Dermatology and Venereology, 2018, 10, 113-118.	0.2	1
4597	Stress Response of Nutrient-Starved Cardiovascular Cells. , 2019, , 2149-2167.		0
4598	Role of Mitochondria in Pancreatic Metabolism, Diabetes, and Cancer. , 2019, , 71-94.		0
4599	Exploring the Potentials of Antioxidants in Retarding Ageing. , 2019, , 236-259.		0
4604	Tackling Immunotherapy Resistance: Developing Rational Combinations of Immunotherapy and Targeted Drugs. Journal of Immunotherapy and Precision Oncology, 2019, 2, 23-35.	0.6	1
4605	Analysis of the inhibitory effect of rapamycin on <i>Fusarium asiaticum</i> by next generation RNA sequencing. Mycotoxins, 2019, 69, 57-64.	0.2	0
4608	Identification and Analysis of Differentially Expressed Genes in Human Saphenous Vein Endothelial Cells Overexpressing Domain-Containing mTOR-Interacting Protein (DEPTOR) by RNA-Seq. Medical Science Monitor, 2019, 25, 6965-6971.	0.5	1
4609	Antitumor effects and mechanisms of 1,25(OH) ₂ D ₃ in the Pfeiffer diffuse large B lymphoma cell line. Molecular Medicine Reports, 2019, 20, 5064-5074.	1.1	2
4610	Viability and migratory effects of IGF-1R inhibitor, PQ401, on triple negative breast cancer cells. Bios, 2019, 90, 14.	0.0	0
4613	Hwanggeum-tang Water Extracts Suppress TGF- β ₁ Induced EMT in Podocyte. Journal of Physiology & Pathology in Korean Medicine, 2020, 34, 61-66.	0.2	0
4615	Down-Regulation of the Mammalian Target of Rapamycin (mTOR) Pathway Mediates the Effects of the Paeonol-Platinum(II) Complex in Human Thyroid Carcinoma Cells and Mouse SW1736 Tumor Xenografts. Medical Science Monitor, 2020, 26, e922561.	0.5	2
4616	Involvement of p53, p21, and Caspase-3 in Apoptosis of Coronary Artery Smooth Muscle Cells in a Kawasaki Vasculitis Mouse Model. Medical Science Monitor, 2020, 26, e922429.	0.5	2

#	ARTICLE	IF	CITATIONS
4617	Roles of Therapeutic Bioactive Compounds in Hepatocellular Carcinoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-31.	1.9	9
4619	Therapeutic mTOR blockade in systemic autoimmunity: Implications for antiviral immunity and extension of lifespan. <i>Autoimmunity Reviews</i> , 2021, 20, 102984.	2.5	16
4620	Role of mTOR in the Development of Asthma in Mice With Cigarette Smoke-Induced Cellular Senescence. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 433-442.	1.7	5
4621	Oogenesis Signaling from Development to Environmental Plasticity and Aging. , 2020, , 317-336.		0
4624	Alterations in Metabolite-Driven Gene Regulation in Cancer Metabolism. , 2020, , 147-165.		0
4625	The Polycystins and Polycystic Kidney Disease. <i>Physiology in Health and Disease</i> , 2020, , 1149-1186.	0.2	0
4626	Crosstalk of Molecular Signaling in Hepatocellular Carcinoma. , 2020, , 85-94.		1
4627	Mechanistic target of rapamycin kinase (Mtor) is required for spermatogonial proliferation and differentiation in mice. <i>Asian Journal of Andrology</i> , 2020, 22, 169.	0.8	5
4628	Inhibition of p-mTOR represses transcription of PS1 and Notch 1-signaling. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1172-1183.	3.0	0
4630	Quinazoline Derivatives as Potential Therapeutic Agents in Urinary Bladder Cancer Therapy. <i>Frontiers in Chemistry</i> , 2021, 9, 765552.	1.8	21
4631	Molecular regulation of polycystic ovary syndrome: altered gene expression levels in mouse models pretreatment and post-treatment. <i>Zygote</i> , 2021, , 1-6.	0.5	1
4632	Sestrin2 as a Potential Target for Regulating Metabolic-Related Diseases. <i>Frontiers in Endocrinology</i> , 2021, 12, 751020.	1.5	16
4633	Targeting tissue-specific metabolic signaling pathways in aging: the promise and limitations. <i>Protein and Cell</i> , 0, , .	4.8	1
4634	Regulation of Beta-Cell Growth and Death. , 2008, , 215-243.		1
4637	Nierenzellkarzinom. , 2014, , 347-397.		0
4638	Effects of a Hwanggi-tang Ethanol Extract on Glucose Uptake and Metabolism in Murine Myotubes. <i>The Journal of Internal Korean Medicine</i> , 2020, 41, 599-611.	0.0	0
4642	Autophagy in the myocardium: Dying for survival?. <i>Experimental and Clinical Cardiology</i> , 2006, 11, 183-8.	1.3	25
4648	Mammalian target of rapamycin: a central node of complex signaling cascades. <i>International Journal of Clinical and Experimental Pathology</i> , 2011, 4, 476-95.	0.5	68

#	ARTICLE	IF	CITATIONS
4649	Aging and the Mammalian regulatory triumvirate. , 2010, 1, 105-38.		10
4650	Rabin8 Protein Interacts with GTPase Rheb and Inhibits Phosphorylation of Ser235/Ser236 in Small Ribosomal Subunit Protein S6. Acta Naturae, 2011, 3, 71-6.	1.7	6
4651	When autophagy meets cancer through p62/SQSTM1. American Journal of Cancer Research, 2012, 2, 397-413.	1.4	139
4657	Rapamycin Modulates Markers of Mitochondrial Biogenesis and Fatty Acid Oxidation in the Adipose Tissue of db/db Mice. Journal of Biochemical and Pharmacological Research, 2013, 1, 114-123.	1.7	21
4658	Regulation of insulin synthesis and secretion and pancreatic Beta-cell dysfunction in diabetes. Current Diabetes Reviews, 2013, 9, 25-53.	0.6	222
4659	Downregulation of mTOR by lentivirus inhibits prostate cancer cell growth. International Journal of Clinical and Experimental Pathology, 2014, 7, 923-31.	0.5	3
4661	Mammalian target of rapamycin (mTOR) inhibitors and combined chemotherapy in breast cancer: a meta-analysis of randomized controlled trials. International Journal of Clinical and Experimental Medicine, 2014, 7, 3333-43.	1.3	8
4662	Expression and clinical significances of Beclin1, LC3 and mTOR in colorectal cancer. International Journal of Clinical and Experimental Pathology, 2015, 8, 3882-91.	0.5	42
4663	Effects of topoisomerase inhibitors that induce DNA damage response on glucose metabolism and PI3K/Akt/mTOR signaling in multiple myeloma cells. American Journal of Cancer Research, 2015, 5, 1649-64.	1.4	26
4664	Expression of phospho-mTOR kinase is abundant in colorectal cancer and associated with left-sided tumor localization. International Journal of Clinical and Experimental Pathology, 2015, 8, 7009-15.	0.5	7
4666	Phosphorylated mTOR expression correlates with podoplanin expression and high tumor grade in esophageal squamous cell carcinoma. International Journal of Clinical and Experimental Pathology, 2015, 8, 12757-65.	0.5	3
4667	HRP-3 protects the hepatoma cells from glucose deprivation-induced apoptosis. International Journal of Clinical and Experimental Pathology, 2015, 8, 14383-91.	0.5	3
4668	mTOR goes to the nucleus. Cell Cycle, 2010, 9, 868.	1.3	7
4670	Long non-coding RNA LncHIFCAR promotes osteoarthritis development via positively regulating HIF-1 α and activating the PI3K/AKT/mTOR pathway. International Journal of Clinical and Experimental Pathology, 2018, 11, 3000-3009.	0.5	3
4671	Lithium chloride ameliorated spatial cognitive impairment through activating mTOR phosphorylation and inhibiting excessive autophagy in the repeated cerebral ischemia-reperfusion mouse model. Experimental and Therapeutic Medicine, 2020, 20, 109.	0.8	2
4672	Protective Effect of Curcumin on Bone Trauma in a Rat Model via Expansion of Myeloid Derived Suppressor Cells. Medical Science Monitor, 2020, 26, e924724.	0.5	1
4673	Inhibition of mTORC1 in the rat condyle subchondral bone aggravates osteoarthritis induced by the overly forward extension of the mandible. American Journal of Translational Research (discontinued), 2021, 13, 270-285.	0.0	3
4674	The mTOR inhibitor everolimus attenuates tacrolimus-induced renal interstitial fibrosis in rats. Life Sciences, 2022, 288, 120150.	2.0	6

#	ARTICLE	IF	CITATIONS
4675	Dose- and sex-dependent effects of phlebotomy-induced anemia on the neonatal mouse hippocampal transcriptome. <i>Pediatric Research</i> , 2022, 92, 712-720.	1.1	7
4676	Autophagy Regulates Whitefly-Symbiont Metabolic Interactions. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0208921.	1.4	13
4677	Mechanistic Target of Rapamycin Complex 2 Regulation of the Primary Human Trophoblast Cell Transcriptome. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 670980.	1.8	6
4678	Insulin, Muscle Glucose Uptake, and Hexokinase: Revisiting the Road Not Taken. <i>Physiology</i> , 2022, 37, 115-127.	1.6	14
4679	AgRP/NPY and POMC neurons in the arcuate nucleus and their potential role in treatment of obesity. <i>European Journal of Pharmacology</i> , 2022, 915, 174611.	1.7	55
4680	Antiphospholipid Antibodies From Women With Pregnancy Morbidity and Vascular Thrombosis Induce Endothelial Mitochondrial Dysfunction, mTOR Activation, and Autophagy. <i>Frontiers in Physiology</i> , 2021, 12, 706743.	1.3	11
4681	Transcriptome profiles of <i>Anopheles gambiae</i> harboring natural low-level Plasmodium infection reveal adaptive advantages for the mosquito. <i>Scientific Reports</i> , 2021, 11, 22578.	1.6	1
4682	Morin inhibits the transformation of fibroblasts towards myofibroblasts through regulating α -PPAR- β -glutaminolysis-DEPTOR pathway in pulmonary fibrosis. <i>Journal of Nutritional Biochemistry</i> , 2022, 101, 108923.	1.9	3
4683	Circadian Regulation of Autophagy in the Heart Via the mTOR Pathway. , 2022, , 149-166.		0
4684	The Triangle Relationship Between Long Noncoding RNA, RIG-I-like Receptor Signaling Pathway, and Glycolysis. <i>Frontiers in Microbiology</i> , 2021, 12, 807737.	1.5	10
4685	Plasma concentrations of branched-chain amino acids differ with Holstein genetic strain in pasture-based dairy systems. <i>Scientific Reports</i> , 2021, 11, 22414.	1.6	2
4686	Modulation of muscle redox and protein aggregation rescues lethality caused by mutant lamins. <i>Redox Biology</i> , 2021, 48, 102196.	3.9	6
4687	Emergence of mTOR mutation as an acquired resistance mechanism to AKT inhibition, and subsequent response to mTORC1/2 inhibition. <i>Npj Precision Oncology</i> , 2021, 5, 99.	2.3	2
4688	Calcium sensing receptor stimulates breast cancer cell migration via the G β 1 β -AKT-mTORC2 signaling pathway. <i>Journal of Cell Communication and Signaling</i> , 2022, 16, 239-252.	1.8	7
4689	mTORC1 signaling as a biomarker in major depressive disorder and its pharmacological modulation by novel rapid-acting antidepressants. <i>Therapeutic Advances in Psychopharmacology</i> , 2021, 11, 204512532110368.	1.2	7
4691	Mimic microgravity effect on muscle transcriptome under ionizing radiation. <i>Life Sciences in Space Research</i> , 2022, 32, 96-104.	1.2	2
4692	Pleiotropic roles of FXR in liver and colorectal cancers. <i>Molecular and Cellular Endocrinology</i> , 2022, 543, 111543.	1.6	5
4693	Lithium chloride ameliorated spatial cognitive impairment through activating mTOR phosphorylation and inhibiting excessive autophagy in the repeated cerebral ischemia-reperfusion mouse model. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	5

#	ARTICLE	IF	CITATIONS
4694	Protective Effect of Curcumin on Bone Trauma in a Rat Model via Expansion of Myeloid Derived Suppressor Cells. <i>Medical Science Monitor</i> , 2020, 26, e924724.	0.5	2
4695	Nutrition and Brain Development. <i>Current Topics in Behavioral Neurosciences</i> , 2021, , 131-165.	0.8	2
4696	Complete Replacement of Fishmeal With Plant Protein Ingredients in Gibel Carp (<i>Carassius auratus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Performance and Muscle Growth-Related Biomarkers. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	8
4697	Identification of Prognostic Biomarkers in Papillary Thyroid Cancer and Developing Non-Invasive Diagnostic Models Through Integrated Bioinformatics Analysis. <i>MicroRNA (Sharjah, United Arab)</i> Tj ETQq1 1 0.78434 rgBT4/Overlock	1.2	4
4698	Targeting the IGF-1R in prostate and colorectal cancer: reasons behind trial failure and future directions. <i>Therapeutic Delivery</i> , 2022, 13, 167-186.	1.2	4
4699	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
4700	NSAIDs and Cancer Resolution: New Paradigms beyond Cyclooxygenase. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1432.	1.8	38
4701	Molecular cues of sugar signaling in plants. <i>Physiologia Plantarum</i> , 2022, 174, e13630.	2.6	19
4703	Trans-omic Analysis of Insulin Action Reveals a Sub-Network Required for Cell Growth Through Co-Regulated Gene Expression of Anabolic Processes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4704	Molecular Mechanisms of Parathyroid Disorders in Chronic Kidney Disease. <i>Metabolites</i> , 2022, 12, 111.	1.3	8
4705	Identification of polo-like kinase 1 as a therapeutic target in murine lupus. <i>Clinical and Translational Immunology</i> , 2022, 11, e1362.	1.7	3
4706	Leucine supplementation during late gestation globally alters placental metabolism and nutrient transport via modulation of the PI3K/AKT/mTOR signaling pathway in sows. <i>Food and Function</i> , 2022, , .	2.1	3
4707	Longitudinal metabolomics profiling of serum amino acids in rotenone-induced Parkinson's mouse model. <i>Amino Acids</i> , 2022, 54, 111-121.	1.2	3
4708	Photosynthetic assimilation of CO ₂ regulates TOR activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17
4709	Ribosome Biogenesis Serves as a Therapeutic Target for Treating Endometriosis and the Associated Complications. <i>Biomedicines</i> , 2022, 10, 185.	1.4	1
4711	New approaches for patients with advanced radioiodine-refractory thyroid cancer. <i>World Journal of Clinical Oncology</i> , 2022, 13, 9-27.	0.9	8
4712	Differential effect of canagliflozin, a sodium-glucose cotransporter 2 (SGLT2) inhibitor, on slow and fast skeletal muscles from nondiabetic mice. <i>Biochemical Journal</i> , 2022, 479, 425-444.	1.7	17
4713	Effects of dietary isoleucine on growth performance, enzymatic activities, antioxidant properties and expression of TOR related genes in rainbow trout, <i>Oncorhynchus mykiss</i> fingerlings. <i>Aquaculture Research</i> , 2022, 53, 2366-2382.	0.9	3

#	ARTICLE	IF	CITATIONS
4715	The role of Wnt/mTOR signaling in spinal cord injury. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2022, 25, 101760.	0.6	8
4716	E3 ligase RNF167 and deubiquitinase STAMBPL1 modulate mTOR and cancer progression. <i>Molecular Cell</i> , 2022, 82, 770-784.e9.	4.5	29
4717	Impact on Arabidopsis growth and stress resistance of depleting the Maf1 repressor of RNA polymerase III. <i>Gene</i> , 2022, 815, 146130.	1.0	2
4718	Optochemical Control of mTOR Signaling and mTOR-Dependent Autophagy. <i>ACS Pharmacology and Translational Science</i> , 2022, 5, 149-155.	2.5	2
4719	Rapid communication: effects of cadmium exposure on the growth-related genes of <i>Daphnia magna</i> . <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, , 1-4.	1.1	0
4720	Effects of Atomoxetine Hydrochloride on Regulation of Lifespan in <i>Drosophila</i> Model. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 203-208.	1.5	0
4721	Immunosuppression and SARS-CoV-2 Infection in Kidney Transplant Recipients. <i>Transplantation Direct</i> , 2022, 8, e1292.	0.8	17
4722	Overexpression of Bcl2 and Bcl2L1 Can Suppress Betanodavirus-Induced Type III Cell Death and Autophagy Induction in GF-1 Cells. <i>Symmetry</i> , 2022, 14, 360.	1.1	4
4723	Autophagy and mitochondrial dynamics contribute to the protective effect of diosgenin against 3-MCPD induced kidney injury. <i>Chemico-Biological Interactions</i> , 2022, 355, 109850.	1.7	7
4724	Dynamic transcriptome profiling revealed key genes and pathways associated with cold stress in castor (<i>Ricinus communis</i> L.). <i>Industrial Crops and Products</i> , 2022, 178, 114610.	2.5	5
4725	The kinase complex mTORC2 promotes the longevity of virus-specific memory CD4+ T cells by preventing ferroptosis. <i>Nature Immunology</i> , 2022, 23, 303-317.	7.0	45
4728	Translational perspective. , 2022, , 537-573.		0
4729	Proliferative signaling pathways in hepatocellular carcinoma. , 2022, , 255-271.		0
4730	Effect of ginsenoside Rg3 on proliferation and apoptosis of 786-O cells and Akt/mTOR/STAT3 signaling in renal carcinoma. <i>Food Science and Technology</i> , 0, 42, .	0.8	1
4732	Autophagy and Skin Diseases. <i>Frontiers in Pharmacology</i> , 2022, 13, 844756.	1.6	20
4733	Optical Sensors and Actuators for Probing Proximity-Dependent Biotinylation in Living Cells. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 801644.	1.8	5
4734	Rapamycin Improved Retinal Function and Morphology in a Mouse Model of Retinal Degeneration. <i>Frontiers in Neuroscience</i> , 2022, 16, 846584.	1.4	2
4735	The Active Compound Thymoquinone Alters Chondrogenic Differentiation of Human Mesenchymal Stem Cells via Modulation of Intracellular Signaling. <i>Medeniyet Medical Journal</i> , 2022, 37, 1-12.	0.4	0

#	ARTICLE	IF	CITATIONS
4736	Role of the Transplant Pharmacist. , 0, , .		0
4737	Targeting mTORC2/HDAC3 Inhibits Stemness of Liver Cancer Cells Against Glutamine Starvation. <i>Advanced Science</i> , 2022, 9, e2103887.	5.6	9
4738	Downregulation of JMJD2a and LSD1 is involved in CK2 inhibition-mediated cellular senescence through the p53-SUV39h1 pathway. <i>BMB Reports</i> , 2022, 55, 92-97.	1.1	3
4739	Identification of defined structural elements within TOR2 kinase required for TOR complex 2 assembly and function in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21120611.	0.9	5
4740	A low-sugar diet enhances <i>Drosophila</i> body size in males and females via sex-specific mechanisms. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	6
4741	Effects of Dietary Histidine Levels on Growth Performance, Feed Utilization, and Expression of Related Genes of Juvenile Hybrid Grouper <i>Epinephelus fuscoguttatus</i> – <i>Epinephelus lanceolatus</i> . <i>Aquaculture Nutrition</i> , 2022, 2022, 1-13.	1.1	2
4742	An insight into major signaling pathways and protein–protein interaction networks involved in the pathogenesis of gestational diabetes mellitus. <i>Proteomics</i> , 2022, , 2100200.	1.3	1
4743	The Role of mTOR and eIF Signaling in Benign Endometrial Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3416.	1.8	7
4744	eIF3a regulation of mTOR signaling and translational control via HuR in cellular response to DNA damage. <i>Oncogene</i> , 2022, 41, 2431-2443.	2.6	12
4745	AKT/GSK-3 β signaling is altered through downregulation of mTOR during cerebral Ischemia/Reperfusion injury. <i>Molecular Biology Reports</i> , 2022, , 1.	1.0	2
4746	A comprehensive analysis of FOX family in HCC and experimental evidence to support the oncogenic role of FOXH1. <i>Aging</i> , 2022, 14, 2268-2286.	1.4	1
4747	As predicted by hyperfunction theory, rapamycin treatment during development extends lifespan. <i>Aging</i> , 2022, 14, 2020-2024.	1.4	5
4748	Activation of lysosomal mediated cell death in the course of autophagy by mTORC1 inhibitor. <i>Scientific Reports</i> , 2022, 12, 5052.	1.6	6
4749	Genes related to heat tolerance in cattle—a review. <i>Animal Biotechnology</i> , 2023, 34, 1840-1848.	0.7	3
4750	Yes-Associated Protein Targets the Transforming Growth Factor β Pathway to Mediate High-Fat/High-Sucrose Diet-induced Arterial Stiffness. <i>Circulation Research</i> , 2022, 130, 851-867.	2.0	15
4751	State of Knowledge on Molecular Adaptations to Exercise in Humans: Historical Perspectives and Future Directions. , 2022, 12, 3193-3279.		18
4752	Physiological, Proteomic Analysis, and Calcium-Related Gene Expression Reveal <i>Taxus wallichiana</i> var. <i>mairei</i> Adaptability to Acid Rain Stress Under Various Calcium Levels. <i>Frontiers in Plant Science</i> , 2022, 13, 845107.	1.7	5
4753	Insulin Receptor Genetic Variants Causal Association with Type 2 Diabetes Mellitus: A Mendelian Randomization Study. <i>Current Developments in Nutrition</i> , 0, , .	0.1	1

#	ARTICLE	IF	CITATIONS
4754	Adenosylhomocysteine extends lifespan through methionine restriction effects. <i>Aging Cell</i> , 2022, 21, e13604.	3.0	12
4755	Opposite physiological and pathological mTORC1-mediated roles of the CB1 receptor in regulating renal tubular function. <i>Nature Communications</i> , 2022, 13, 1783.	5.8	12
4756	Proteostasis Regulators in Cystic Fibrosis: Current Development and Future Perspectives. <i>Journal of Medicinal Chemistry</i> , 2022, , .	2.9	9
4757	Cardiovascular protection associated with cilostazol, colchicine and target of rapamycin inhibitors. <i>Journal of Cardiovascular Pharmacology</i> , 2022, Publish Ahead of Print, .	0.8	0
4758	Effect of bovine lactoferricin on the growth performance, digestive capacity, immune responses and disease resistance in Pacific white shrimp, <i>Penaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2022, 123, 282-289.	1.6	9
4759	Trans-omics analysis of insulin action reveals a cell growth subnetwork which co-regulates anabolic processes. <i>IScience</i> , 2022, 25, 104231.	1.9	6
4760	Optimal methionine supplementation improved the growth, hepatic protein synthesis and lipolysis of grass carp fry (<i>Ctenopharyngodon idella</i>). <i>Aquaculture</i> , 2022, 554, 738125.	1.7	11
4761	mTOR signaling as a molecular target for the alleviation of Alzheimer's disease pathogenesis. <i>Neurochemistry International</i> , 2022, 155, 105311.	1.9	23
4762	Glutamate: A multifunctional amino acid in plants. <i>Plant Science</i> , 2022, 318, 111238.	1.7	36
4763	Common and diet-specific metabolic pathways underlying residual feed intake in fattening Charolais yearling bulls. <i>Scientific Reports</i> , 2021, 11, 24346.	1.6	11
4765	The TOR kinase pathway is relevant for nitrogen signaling and antagonism of the mycoparasite <i>Trichoderma atroviride</i> . <i>PLoS ONE</i> , 2021, 16, e0262180.	1.1	7
4766	Plant target of rapamycin signaling network: Complexes, conservations, and specificities. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 342-370.	4.1	24
4767	The Fission Yeast Cell Integrity Pathway: A Functional Hub for Cell Survival upon Stress and Beyond. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 32.	1.5	7
4768	Liver regeneration biology: Implications for liver tumour therapies. <i>World Journal of Clinical Oncology</i> , 2021, 12, 1101-1156.	0.9	5
4770	mTOR-Mediated Regulation of Immune Responses in Cancer and Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2021, 12, 774103.	2.2	57
4772	Evaluation of photoreceptor-directed fibroblasts derived from retinitis pigmentosa patients with defects in the EYS gene: a possible cost-effective cellular model for mechanism-oriented drug. <i>Stem Cell Research and Therapy</i> , 2022, 13, 157.	2.4	2
4773	Neuroprotective efficacy of berberine following developmental exposure to chlorpyrifos in F1 generation of Wistar rats: Apoptosis-autophagy interplay. <i>Science of the Total Environment</i> , 2022, 834, 155292.	3.9	10
4774	Mechanisms underlying the effects of caloric restriction on hypertension. <i>Biochemical Pharmacology</i> , 2022, 200, 115035.	2.0	9

#	ARTICLE	IF	CITATIONS
4829	AMPK: Central Regulator of Glucose and Lipid Metabolism. , 0, , 535-548.		1
4831	Immunohistochemical determination of mTOR pathway molecules in ovaries and uterus in rat estrous cycle stages. <i>Histology and Histopathology</i> , 2020, 35, 1337-1351.	0.5	0
4832	Temsirolimus inhibits cell growth in combination with inhibitors of the B-cell receptor pathway. <i>Leukemia and Lymphoma</i> , 2015, 56, 3393-400.	0.6	9
4833	Downregulation of JMJD2a and LSD1 is involved in CK2 inhibition-mediated cellular senescence through the p53-SUV39h1 pathway.. <i>BMB Reports</i> , 2022, , .	1.1	0
4834	<i>Clostridium difficile</i> Toxin B: Insights into Its Target Genes. <i>Open Journal of Applied Sciences</i> , 2022, 12, 368-386.	0.2	0
4835	Targeting biologically specific molecules in triple negative breast cancer (TNBC). , 2022, , 177-200.		7
4836	In Silico analysis of Vitis vinifera Cabernet Sauvignon TOR and its responses to sugar and abscisic acid signaling. <i>Acta Botanica Brasilica</i> , 0, 36, .	0.8	1
4837	Impairment of Glucose Metabolism and Suppression of Stemness in MCF-7/SC Human Breast Cancer Stem Cells by Nootkatone. <i>Pharmaceutics</i> , 2022, 14, 906.	2.0	4
4838	Roles of TOR signaling in nutrient deprivation and abiotic stress. <i>Journal of Plant Physiology</i> , 2022, 274, 153716.	1.6	11
4839	Physiological Functions of FBW7 in Metabolism. <i>Hormone and Metabolic Research</i> , 2022, 54, 280-287.	0.7	2
4840	Assessment of Fish Protein Hydrolysates in Juvenile Largemouth Bass (<i>Micropterus salmoides</i>) Diets: Effect on Growth, Intestinal Antioxidant Status, Immunity, and Microflora. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	13
4841	DNA repair and damage pathways in mesothelioma development and therapy. <i>Cancer Cell International</i> , 2022, 22, 176.	1.8	9
4842	Targeting Metabolic Reprogramming of T-Cells for Enhanced Anti-Tumor Response. <i>Biologics: Targets and Therapy</i> , 2022, Volume 16, 35-45.	3.0	3
4843	LMP2A inhibits the expression of KLF5 through the mTORC1 pathway in EBV-associated gastric carcinoma. <i>Virus Research</i> , 2022, 315, 198792.	1.1	1
4845	mTOR substrate phosphorylation in growth control. <i>Cell</i> , 2022, 185, 1814-1836.	13.5	120
4846	De novo nucleotide biosynthetic pathway and cancer. <i>Genes and Diseases</i> , 2023, 10, 2331-2338.	1.5	5
4847	The RALF1-FERONIA complex interacts with and activates TOR signaling in response to low nutrients. <i>Molecular Plant</i> , 2022, 15, 1120-1136.	3.9	22
4848	The metabolic characteristic of decidual immune cells and their unique properties in pregnancy loss*. <i>Immunological Reviews</i> , 2022, 308, 168-186.	2.8	5

#	ARTICLE	IF	CITATIONS
4849	Pilot study evaluating everolimus molecular mechanisms in tuberous sclerosis complex and focal cortical dysplasia. <i>PLoS ONE</i> , 2022, 17, e0268597.	1.1	12
4850	A novel nanoparticle system targeting damaged mitochondria for the treatment of Parkinson's disease. , 2022, 138, 212876.		8
4851	Glutamate excitotoxicity: Potential therapeutic target for ischemic stroke. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113125.	2.5	51
4852	Challenges and prospects for sustainable microalga-based oil: A comprehensive review, with a focus on metabolic and genetic engineering. <i>Fuel</i> , 2022, 324, 124567.	3.4	16
4853	Toward Elucidating Epigenetic and Metabolic Regulation of Stem Cell Lineage Plasticity in Skin Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	3
4854	The multifaceted role of the SASP in atherosclerosis: from mechanisms to therapeutic opportunities. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	28
4855	Plant green pigment of chlorophyllin attenuates inflammatory bowel diseases by suppressing autophagy activation in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 323, G102-G113.	1.6	2
4856	The PI3K/AKT Pathwayâ€™The Potential Key Mechanisms of Traditional Chinese Medicine for Stroke. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	16
4857	S6K1 acts through FOXO to regulate juvenile hormone biosynthesis in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2022, 140, 104405.	0.9	2
4858	Dietary Supplementation With Hydroxyproline Enhances Growth Performance, Collagen Synthesis and Muscle Quality of <i>Carassius auratus</i> Triploid. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	10
4859	Comparative transcriptional analysis uncovers molecular processes in early and mature somatic cyst cells of <i>Drosophila testes</i> . <i>European Journal of Cell Biology</i> , 2022, 101, 151246.	1.6	4
4862	Cholecystokinin Activation of Cholecystokinin 1 Receptors: a Purkinje Cell Neuroprotective Pathway. <i>Cerebellum</i> , 2023, 22, 756-760.	1.4	2
4863	Serum and Soleus Metabolomics Signature of Klf10 Knockout Mice to Identify Potential Biomarkers. <i>Metabolites</i> , 2022, 12, 556.	1.3	7
4864	Role of mTOR Signaling Cascade in Epidermal Morphogenesis and Skin Barrier Formation. <i>Biology</i> , 2022, 11, 931.	1.3	0
4865	The mitochondrial adenine nucleotide transporters in myogenesis. <i>Free Radical Biology and Medicine</i> , 2022, 188, 312-327.	1.3	5
4866	Nutrient sensing, signaling transduction, and autophagy in podocyte injury: implications for kidney disease. <i>Journal of Nephrology</i> , 2023, 36, 17-29.	0.9	3
4867	Role of MicroRNAs in Signaling Pathways Associated with the Pathogenesis of Idiopathic Pulmonary Fibrosis: A Focus on Epithelial-Mesenchymal Transition. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6613.	1.8	5
4868	Deciphering the function and evolution of the TOR signaling pathway in microalgae. <i>Journal of Experimental Botany</i> , 0, , .	2.4	4

#	ARTICLE	IF	CITATIONS
4869	Autophagy is required for spermatogonial differentiation in the <i>Drosophila</i> testis. <i>Biologia Futura</i> , 0, , .	0.6	1
4870	Dietary Arginine Modulates Growth Performance, Hemato-Biochemical Indices, Intestinal Enzymes, Antioxidant Ability and Gene Expression of TOR and 4E-BP1 in Rainbow Trout, <i>Oncorhynchus mykiss</i> Fingerlings. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	0
4871	Salinity levels affect the lysine nutrient requirements and nutrient metabolism of juvenile genetically improved farmed tilapia (<i>Oreochromis niloticus</i>). <i>British Journal of Nutrition</i> , 2023, 129, 564-575.	1.2	4
4872	Insulin and Its Key Role for Mitochondrial Function/Dysfunction and Quality Control: A Shared Link between Dysmetabolism and Neurodegeneration. <i>Biology</i> , 2022, 11, 943.	1.3	14
4873	The kinase and FATC domains of VvTOR affect sugar-related gene expression and sugar accumulation in grape (<i>Vitis vinifera</i>). <i>Functional Plant Biology</i> , 2022, , .	1.1	0
4874	Glucose Metabolism: Optimizing Regenerative Functionalities of Mesenchymal Stromal Cells Postimplantation. <i>Tissue Engineering - Part B: Reviews</i> , 2023, 29, 47-61.	2.5	2
4875	Alterations in Skeletal Muscle mRNA Abundance in Response to Ethyl-Cellulose Rumen-Protected Methionine during the Periparturient Period in Dairy Cows. <i>Animals</i> , 2022, 12, 1641.	1.0	1
4876	Modulation of mTOR Signaling in Cardiovascular Disease to Target Acute and Chronic Inflammation. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	17
4877	The Mechanism of Action of Biguanides: New Answers to a Complex Question. <i>Cancers</i> , 2022, 14, 3220.	1.7	14
4878	The plant TOR kinase tunes autophagy and meristem activity for nutrient stress-induced developmental plasticity. <i>Plant Cell</i> , 2022, 34, 3814-3829.	3.1	14
4880	Transcriptomic Analysis and Histological Alteration of Black Sea Bream (<i>Acanthopagrus schlegelii</i>) Liver Fed Different Protein/Energy Ratio Diets. <i>Aquaculture Nutrition</i> , 2022, 2022, 1-14.	1.1	3
4881	Liquidâ€“liquid phase separation in tumor biology. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	52
4882	Efficient Identification of the MYC Regulator with the Use of the CRISPR Library and Context-Matched Database Screenings. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7723.	1.8	1
4883	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
4884	Pharmacological Approaches to Decelerate Aging: A Promising Path. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-25.	1.9	5
4885	mTORC2 protects the heart from high-fat diet-induced cardiomyopathy through mitochondrial fission in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	1
4886	Target of Rapamycin Signaling Involved in the Regulation of Photosynthesis and Cellular Metabolism in <i>Chlorella sorokiniana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7451.	1.8	3
4887	Signalling pathways in autism spectrum disorder: mechanisms and therapeutic implications. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	45

#	ARTICLE	IF	CITATIONS
4888	A Preclinical Systematic Review of the Effects of Chronic Exercise on Autophagy-Related Proteins in Aging Skeletal Muscle. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
4889	Molecular mechanism of <i>S</i> -adenosylmethionine sensing by SAMTOR in mTORC1 signaling. <i>Science Advances</i> , 2022, 8, .	4.7	11
4890	PTP1B inhibitors protect against acute lung injury and regulate CXCR4 signaling in neutrophils. <i>JCI Insight</i> , 2022, 7, .	2.3	16
4891	The Role of Sestrins in the Regulation of the Cellular Response to Stress. <i>Biology Bulletin Reviews</i> , 2022, 12, 347-364.	0.3	0
4892	Brusatol modulates diverse cancer hallmarks and signaling pathways as a potential cancer therapeutic. , 2022, 1, .		12
4893	Use of Pharmacogenetics to Optimize Immunosuppressant Therapy in Kidney-Transplanted Patients. <i>Biomedicines</i> , 2022, 10, 1798.	1.4	9
4894	Feeding restriction unalters physiological responses to dietary lipid and carbohydrate levels in juvenile gibel carp (<i>Carassius gibelio</i>). <i>Aquaculture Reports</i> , 2022, 25, 101273.	0.7	0
4895	Everolimus loaded NPs with FOL targeting: preparation, characterization and study of its cytotoxicity action on MCF-7 breast cancer cell lines. <i>Jordan Journal of Pharmaceutical Sciences</i> , 2022, 15, 25-39.	0.2	2
4896	Sexual dimorphic effects of igf1 deficiency on metabolism in zebrafish. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	4
4897	Immunomodulatory and Antiaging Mechanisms of Resveratrol, Rapamycin, and Metformin: Focus on mTOR and AMPK Signaling Networks. <i>Pharmaceutics</i> , 2022, 15, 912.	1.7	17
4899	Oncolytic Avian Reovirus p17-Modulated Inhibition of mTORC1 by Enhancement of Endogenous mTORC1 Inhibitors Binding to mTORC1 To Disrupt Its Assembly and Accumulation on Lysosomes. <i>Journal of Virology</i> , 2022, 96, .	1.5	4
4900	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
4901	The optimum dietary protein requirement of the genetically improved farmed tilapia (<i>GIFT</i>) Tj ETQqO O O rgBT /Overlock 1 <sc>GH&€IGF</sc> axis and <sc>TOR</sc> signalling pathway at different seasonal growth stages. <i>Aquaculture Research</i> , 0, , .	0.9	1
4902	TORC1 and PKA activity towards ribosome biogenesis oscillates in synchrony with the budding yeast cell cycle. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	14
4904	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
4906	Inhibition of Glutamine Uptake Resensitizes Paclitaxel Resistance in SKOV3-TR Ovarian Cancer Cell via mTORC1/S6K Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8761.	1.8	10
4907	Engineering Ribosomes to Alleviate Abiotic Stress in Plants: A Perspective. <i>Plants</i> , 2022, 11, 2097.	1.6	3
4908	Determination of mTOR signal pathway in MMTV-TGF β mice ovary at different ages. <i>Journal of Histotechnology</i> , 2023, 46, 80-89.	0.2	0

#	ARTICLE	IF	CITATIONS
4909	Targeting the mTOR Pathway for the Prevention of ER-Negative Breast Cancer. <i>Cancer Prevention Research</i> , 2022, 15, 791-802.	0.7	3
4910	Silencing of the Target of Rapamycin Complex Genes Stimulates Tomato Fruit Ripening. <i>Molecules and Cells</i> , 2022, 45, 660-672.	1.0	5
4911	The vacuole shapes the nucleus and the ribosomal DNA loop during mitotic delays. <i>Life Science Alliance</i> , 2022, 5, e202101161.	1.3	2
4912	A cytosolic thiouridylase gene MoCTU2 in <i>Magnaporthe oryzae</i> is important for vegetative hyphal growth, conidiation, and responses to rapamycin and high temperature. <i>Physiological and Molecular Plant Pathology</i> , 2022, 121, 101886.	1.3	0
4913	Transcriptional regulation of milk fat synthesis in dairy cattle. <i>Journal of Functional Foods</i> , 2022, 96, 105208.	1.6	5
4914	Effect of rapamycin treatment on oocyte in vitro maturation and embryonic development after parthenogenesis in yaks. <i>Theriogenology</i> , 2022, 193, 128-135.	0.9	2
4915	Dietary restriction and mTOR and IIS inhibition: the potential to antiaging drug approach. , 2022, , 173-190.		0
4916	Invertebrate model organisms for aging research. , 2022, , 353-382.		0
4917	mTORC1: Upstream and Downstream. , 2022, , .		0
4918	Molecular mechanisms underlying cannabis-induced risk of psychosis. , 2022, , 197-242.		0
4919	Early nutrition: Effects of specific nutrient intake on growth, development, and long-term health. , 2022, , 101-125.		0
4920	The trilateral interactions between mammalian target of rapamycin (mTOR) signaling, the circadian clock, and psychiatric disorders: an emerging model. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	14
4921	De Novo Purine Nucleotide Biosynthesis Pathway Is Required for Development and Pathogenicity in <i>Magnaporthe oryzae</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 915.	1.5	5
4922	The Plant Homeodomain Protein Clp1 Regulates Fungal Development, Virulence, and Autophagy Homeostasis in <i>Magnaporthe oryzae</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	2
4923	BRAF and MEK Targeted Therapies in Pediatric Central Nervous System Tumors. <i>Cancers</i> , 2022, 14, 4264.	1.7	9
4924	An overview about the approaches used in the production of alpha-ketoglutaric acid with their applications. <i>ChemistrySelect</i> , 2024, 9, 211-225.	0.7	2
4926	Comparison of dual mTORC1/2 inhibitor AZD8055 and mTORC1 inhibitor rapamycin on the metabolism of breast cancer cells using proton nuclear magnetic resonance spectroscopy metabolomics. <i>Investigational New Drugs</i> , 2022, 40, 1206-1215.	1.2	1
4927	Metabolome and Transcriptome Profiling Reveal Carbon Metabolic Flux Changes in <i>Yarrowia lipolytica</i> Cells to Rapamycin. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 939.	1.5	4

#	ARTICLE	IF	CITATIONS
4929	The TOR complex controls ATP levels to regulate actin cytoskeleton dynamics in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
4930	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>). Aquaculture Nutrition, 2022, 2022, 1-12.	1.1	1
4931	Enhancing autophagy and energy metabolism in the meniscus can delay the occurrence of PTOA in ACLT rat. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	4
4932	Integration und hormonelle Regulation des Energiestoffwechsels. , 2022, , 607-628.		0
4933	Identification of phytochemical as a dual inhibitor of PI3K and mTOR: a structure-based computational approach. Molecular Diversity, 0, , .	2.1	1
4934	Effect of dietary arginine levels on growth performance, protein synthesis, antioxidant capacity and immunity of postlarval mud crab <i>Scylla paramamosain</i> . Frontiers in Marine Science, 0, 9, .	1.2	1
4935	FoxO3 Regulates the Progress and Development of Aging and Aging-Related Diseases. Current Molecular Medicine, 2022, 23, .	0.6	0
4936	Dietary Histidine Supplementation Maintained Amino Acid Homeostasis and Reduced Hepatic Lipid Accumulation of Juvenile Largemouth Bass, <i>Micropterus Salmoides</i> . Aquaculture Nutrition, 2022, 2022, 1-16.	1.1	8
4937	Genome-Wide Analysis of AGC Kinases Reveals that MoFpk1 Is Required for Development, Lipid Metabolism, and Autophagy in Hyperosmotic Stress of the Rice Blast Fungus <i>Magnaporthe oryzae</i> . MBio, 2022, 13, .	1.8	3
4938	The crucial role of the regulatory mechanism of the Atg1/ULK1 complex in fungi. Frontiers in Microbiology, 0, 13, .	1.5	5
4939	EGFR pathway targeting drugs in head and neck cancer in the era of immunotherapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 188827.	3.3	7
4942	Matrine, a potential c-Myc inhibitor, suppresses ribosome biogenesis and nucleotide metabolism in myeloid leukemia. Frontiers in Pharmacology, 0, 13, .	1.6	2
4943	mTOR as a Potential Target for the Treatment of Microbial Infections, Inflammatory Bowel Diseases, and Colorectal Cancer. International Journal of Molecular Sciences, 2022, 23, 12470.	1.8	6
4945	Novel preclinical gastroenteropancreatic neuroendocrine neoplasia models demonstrate the feasibility of mutation-based targeted therapy. Cellular Oncology (Dordrecht), 2022, 45, 1401-1419.	2.1	4
4946	Inducible deletion of raptor and mTOR from adult skeletal muscle impairs muscle contractility and relaxation. Journal of Physiology, 2022, 600, 5055-5075.	1.3	4
4947	The origin story of rapamycin: systemic bias in biomedical research and cold war politics. Molecular Biology of the Cell, 2022, 33, .	0.9	3
4948	Cardiovascular Dysfunction in Intrauterine Growth Restriction. Current Hypertension Reports, 2022, 24, 693-708.	1.5	4
4949	Online news coverage of infant formula shortage in the United States: A content analysis. , 2022, 1, 100065.		4

#	ARTICLE	IF	CITATIONS
4950	Dietary phenylalanine level could improve growth performance, glucose metabolism and insulin and mTOR signaling pathways of juvenile swimming crabs, <i>Portunus trituberculatus</i> . <i>Aquaculture Reports</i> , 2022, 27, 101395.	0.7	3
4951	Dietary protein hydrolysate effects on growth, digestive enzymes activity, and expression of genes related to amino acid transport and metabolism of larval snakehead (<i>Channa argus</i>). <i>Aquaculture</i> , 2023, 563, 738896.	1.7	8
4952	Dietary modulation and mitochondrial DNA damage. , 2023, , 651-665.		0
4953	Liquidâ€“liquid phase separation and biomolecular condensates in cell quiescence. , 2023, , 157-172.		0
4954	Role of mTOR1 signaling in the antidepressant effects of ketamine and the potential of mTORC1 activators as novel antidepressants. <i>Neuropharmacology</i> , 2023, 223, 109325.	2.0	3
4955	Tumorigenesis Mechanisms Found in Hereditary Renal Cell Carcinoma: A Review. <i>Genes</i> , 2022, 13, 2122.	1.0	7
4956	Appropriate dietary phenylalanine improved growth, protein metabolism and lipid metabolism, and glycolysis in largemouth bass (<i>Micropterus salmoides</i>). <i>Fish Physiology and Biochemistry</i> , 0, , .	0.9	3
4957	The Amino Acid Permease MoGap1 Regulates TOR Activity and Autophagy in <i>Magnaporthe oryzae</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 13663.	1.8	3
4958	Glutathione peroxidase 4 inhibition induces ferroptosis and mTOR pathway suppression in thyroid cancer. <i>Scientific Reports</i> , 2022, 12, .	1.6	19
4959	Clinical Outcomes of Everolimus Rechallenge in Patients with Pancreatic Neuroendocrine Neoplasms with No Other Treatment Options. <i>Cancers</i> , 2022, 14, 5669.	1.7	1
4960	<scp>TTI1</scp> promotes nonâ€“smallâ€“cell lung cancer progression by regulating the <scp>mTOR</scp> signaling pathway. <i>Cancer Science</i> , 2023, 114, 855-869.	1.7	4
4961	Yeast in addition to pollen enhances the reproduction of the predatory mite <i>Euseius nicholsi</i> by increasing the target of rapamycin gene expression. <i>Biological Control</i> , 2023, 177, 105101.	1.4	0
4962	Nanoengineered sonosensitive platelets for synergistically augmented sonodynamic tumor therapy by glutamine deprivation and cascading thrombosis. <i>Bioactive Materials</i> , 2023, 24, 26-36.	8.6	19
4963	Metabolomics profiling of AKT/c-Met-induced hepatocellular carcinogenesis and the inhibitory effect of Cucurbitacin B in mice. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
4964	Untargeted metabolomics confirms the association between plasma branched chain amino acids and residual feed intake in beef heifers. <i>PLoS ONE</i> , 2022, 17, e0277458.	1.1	2
4965	Squid industry by-product hydrolysate supplementation enhances growth performance of <i>Penaeus monodon</i> fed plant protein-based diets without fish meal. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	1
4966	Effects of diurnal temperature fluctuations on growth performance, energy metabolism, stress response, and gut microbes of juvenile mud crab <i>Scylla paramamosain</i> . <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
4967	Invited review: Muscle protein breakdown and its assessment in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2023, 106, 822-842.	1.4	8

#	ARTICLE	IF	CITATIONS
4968	GOLPH3 protein controls organ growth by interacting with TOR signaling proteins in <i>Drosophila</i> . <i>Cell Death and Disease</i> , 2022, 13, .	2.7	5
4969	Gentirigeoside B from <i>Gentiana rigescens</i> Franch Prolongs Yeast Lifespan via Inhibition of TORC1/Sch9/Rim15/Msn Signaling Pathway and Modification of Oxidative Stress and Autophagy. <i>Antioxidants</i> , 2022, 11, 2373.	2.2	3
4973	A monoclonal antibody targeting nonjunctional claudin-1 inhibits fibrosis in patient-derived models by modulating cell plasticity. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	5
4974	Performing in spite of starvation: How <i>Saccharomyces cerevisiae</i> maintains robust growth when facing famine zones in industrial bioreactors. <i>Microbial Biotechnology</i> , 2023, 16, 148-168.	2.0	5
4975	Effects of RFRP β 3 on an ovariectomized estrogen α primed rat model and HEC α 1A human endometrial carcinoma cells. <i>Experimental and Therapeutic Medicine</i> , 2022, 25, .	0.8	1
4976	HRK inhibits colorectal cancer cells proliferation by suppressing the PI3K/AKT/mTOR pathway. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
4977	Tuberin levels during cellular differentiation in brain development. <i>Differentiation</i> , 2023, 130, 43-50.	1.0	1
4978	Dissection of the autophagic route in oocytes from atretic follicles. <i>Biology of the Cell</i> , 0, , .	0.7	1
4979	Testing the ion-current model for flagellar length sensing and IFT regulation. <i>ELife</i> , 0, 12, .	2.8	3
4980	Effect of rapamycin treatment in human seminoma TCam-2 cells through inhibition of G1-S transition. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2023, 396, 1009-1018.	1.4	1
4981	TORC1 Signaling in Fungi: From Yeasts to Filamentous Fungi. <i>Microorganisms</i> , 2023, 11, 218.	1.6	5
4982	Liver Regeneration and Immunity: A Tale to Tell. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1176.	1.8	6
4983	Insight into the relationships of structure and anti-tumor effects of Glucuronomannan oligosaccharides (Gx) and its derivatives on the A549 lung adenocarcinoma cells. <i>Algal Research</i> , 2023, 70, 102979.	2.4	0
4984	Proliferative and preparative cell divisions in wing discs of the last larval instar are regulated by different hormones and determine the size and differentiation of the wing of <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2023, 145, 104476.	0.9	1
4985	Conserved Role of mTORC1 Signaling in B Cell Immunity in Teleost Fish. <i>Journal of Immunology</i> , 2022, 209, 1095-1107.	0.4	8
4987	The clinicopathological and prognostic significance of mTOR and p-mTOR expression in patients with non-small cell lung cancer: A meta-analysis. <i>Medicine (United States)</i> , 2022, 101, e32340.	0.4	0
4989	The role of inositols in maternal adaptation, placental function, and regulation of fetal growth and development. , 2023, , 87-110.		0
4990	Cell surface receptor kinase <sc>FERONIA</sc> linked to nutrient sensor <sc>TORC</sc> signaling controls root hair growth at low temperature linked to low nitrate in <i>Arabidopsis thaliana</i>. <i>New Phytologist</i> , 2023, 238, 169-185.	3.5	7

#	ARTICLE	IF	CITATIONS
4991	Influence of the Ovarian Reserve and Oocyte Quality on Livestock Fertility. <i>Sustainable Agriculture Reviews</i> , 2023, , 201-240.	0.6	1
4992	Ampelopsin induces MDA-MB-231 cell cycle arrest through cyclin B1-mediated PI3K/AKT/mTOR pathway <i>in vitro</i> and <i>in vivo</i> . <i>Acta Pharmaceutica</i> , 2023, 73, 75-90.	0.9	1
4993	Metabolism, homeostasis, and aging. <i>Trends in Endocrinology and Metabolism</i> , 2023, 34, 158-169.	3.1	11
4994	An mTOR feedback loop mediates the "flare" ("rebound") response to MET tyrosine kinase inhibition. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
4995	To Kill or to Be Killed: How Does the Battle between the UPS and Autophagy Maintain the Intracellular Homeostasis in Eukaryotes?. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2221.	1.8	2
4996	Suppressed expression of ErbB3-binding protein 1 (EBP1) genes compromised the hypersensitive response cell death in <i>Nicotiana benthamiana</i> . <i>Plant Biotechnology</i> , 2023, , .	0.5	0
4997	Effects of dietary nucleotide and yeast cell wall on growth performance, feed utilization, anti-oxidative and immune response of grass carp (<i>Ctenopharyngodon idella</i>). <i>Fish and Shellfish Immunology</i> , 2023, 134, 108574.	1.6	2
4998	Inhibitory Effect of Jinwujiangu Prescription on Peripheral Blood Osteoclasts in Patients with Rheumatoid Arthritis and the Relevant Molecular Mechanism. <i>Mediators of Inflammation</i> , 2023, 2023, 1-17.	1.4	2
4999	Impact of insulin and insulin resistance on brain dopamine signalling and reward processing " An underexplored mechanism in the pathophysiology of depression?. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 149, 105179.	2.9	8
5000	CDK5-PRMT1-WDR24 signaling cascade promotes mTORC1 signaling and tumor growth. <i>Cell Reports</i> , 2023, 42, 112316.	2.9	11
5001	Differential modulation of Target of Rapamycin activity under single and combined iron and sulfur deficiency in tomato plants. <i>Plant Journal</i> , 2023, 115, 127-138.	2.8	3
5002	The pyruvate dehydrogenase complex: Life's essential, vulnerable and druggable energy homeostat. <i>Mitochondrion</i> , 2023, 70, 59-102.	1.6	8
5003	Deletion of Arrb2 Down-regulates Autophagy in the Mouse Hippocampus via Akt-mTOR Pathway Activation. <i>Neuroscience</i> , 2023, 519, 120-130.	1.1	0
5004	Dietary choline can partially spare methionine to improve the feeds utilization and immune response in juvenile largemouth bass (<i>Micropterus salmoides</i>): Based on phenotypic response to gene expression. <i>Aquaculture Reports</i> , 2023, 30, 101546.	0.7	1
5005	Celastrol-based nanoporous membranes prevent subconjunctival fibrosis by activating autophagy. <i>Materials Today Advances</i> , 2023, 18, 100356.	2.5	3
5006	Future foods, dietary factors and healthspan. <i>Journal of Future Foods</i> , 2023, 3, 75-98.	2.0	2
5007	The interaction between Hsp90-mediated unfolded protein response and autophagy contributes to As3+/ Se4+ combination-induced apoptosis of acute promyelocytic leukemia cells. <i>Toxicology and Applied Pharmacology</i> , 2023, 467, 116511.	1.3	2
5008	Causal effects of maternal circulating amino acids on offspring birthweight: a Mendelian randomisation study. <i>EBioMedicine</i> , 2023, 88, 104441.	2.7	6

#	ARTICLE	IF	CITATIONS
5009	The emerging roles of tRNAs and tRNA-derived fragments during aging: Lessons from studies on model organisms. <i>Ageing Research Reviews</i> , 2023, 85, 101863.	5.0	4
5010	Arf5-mediated regulation of mTORC1 at the plasma membrane. <i>Molecular Biology of the Cell</i> , 2023, 34, .	0.9	0
5011	Interplays of AMPK and TOR in Autophagy Regulation in Yeast. <i>Cells</i> , 2023, 12, 519.	1.8	9
5012	Snf1/AMPK fine-tunes TORC1 signaling in response to glucose starvation. <i>ELife</i> , 0, 12, .	2.8	13
5013	TM7 (Saccharibacteria) regulates the synthesis of linolelaidic acid and tricosanoic acid, and alters the key metabolites in diapause <i>Clanis bilineata</i> tsingtauica. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	2
5014	Paraquat and Parkinsonâ€™s Disease: The Molecular Crosstalk of Upstream Signal Transduction Pathways Leading to Apoptosis. <i>Current Neuropharmacology</i> , 2024, 22, 140-151.	1.4	1
5015	Suppression of the target of rapamycin kinase accelerates tomato fruit ripening through reprogramming the transcription profile and promoting ethylene biosynthesis. <i>Journal of Experimental Botany</i> , 2023, 74, 2603-2619.	2.4	1
5016	GPR41 Regulates the Proliferation of BRECs via the PIK3-AKT-mTOR Pathway. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4203.	1.8	1
5017	Characterization of Maternal Circulating MicroRNAs in Obese Pregnancies and Gestational Diabetes Mellitus. <i>Antioxidants</i> , 2023, 12, 515.	2.2	2
5018	TSC2/PKD1 contiguous deletion syndrome in a pregnant woman: A case report. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	0
5019	Plant translational reprogramming for stress resilience. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	11
5020	Constitutive activation of TORC1 signalling attenuates virulence in the crossâ€kingdom fungal pathogen <i>Fusarium oxysporum</i> . <i>Molecular Plant Pathology</i> , 2023, 24, 289-301.	2.0	2
5021	Nanomedicine for autophagy modulation in cancer therapy: a clinical perspective. <i>Cell and Bioscience</i> , 2023, 13, .	2.1	9
5022	Calcium lignosulfonate modulates physiological and biochemical responses to enhance shoot multiplication in <i>Vanilla planifolia</i> Andrews. <i>Physiology and Molecular Biology of Plants</i> , 2023, 29, 377-392.	1.4	0
5024	Effects of Fishmeal Replacement by Clostridium Autoethanogenum Protein Meal on Cholesterol Bile Acid Metabolism, Antioxidant Capacity, Hepatic and Intestinal Health of Pearl Gintian Grouper (<i>Epinephelus fuscoguttatus</i> â™— <i>Epinephelus lanceolatus</i> â™—). <i>Animals</i> , 2023, 13, 1090.	1.0	4
5025	Cross-Talk and Multiple Control of Target of Rapamycin (TOR) in <i>Sclerotinia sclerotiorum</i> . <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	2
5026	The ceramide synthase (CERS/LASS) family: Functions involved in cancer progression. <i>Cellular Oncology (Dordrecht)</i> , 2023, 46, 825-845.	2.1	7
5027	Exosomes derived from human dental pulp stem cells increase flap survival with ischemia-reperfusion injuries. <i>Regenerative Medicine</i> , 2023, 18, 313-327.	0.8	3

#	ARTICLE	IF	CITATIONS
5028	Autophagy: A Potential Therapeutic Target to Tackle Drug Resistance in Multiple Myeloma. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6019.	1.8	5
5029	ARSK1 activates TORC1 signaling to adjust growth to phosphate availability in Arabidopsis. <i>Current Biology</i> , 2023, 33, 1778-1786.e5.	1.8	10
5030	Chemotherapy and female fertility. <i>Annales D'Endocrinologie</i> , 2023, 84, 382-387.	0.6	1
5031	Regulatory effects of trimetazidine in cardiac ischemia/reperfusion injury. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2023, 396, 1633-1646.	1.4	4
5032	Transcriptome Profile in Dairy Cows Resistant or Sensitive to Milk Fat Depression. <i>Animals</i> , 2023, 13, 1199.	1.0	1
5033	Growth Performance, Feed Utilisation, Endogenous Digestive Enzymes, Intestinal Morphology, and Antimicrobial Effect of Pacific White Shrimp (<i>Litopenaeus vannamei</i>) Fed with Feed Supplemented with Pineapple Waste Crude Extract as a Functional Feed Additive. <i>Aquaculture Nutrition</i> , 2023, 2023, 1-13.	1.1	1
5034	Transcription by the Three RNA Polymerases under the Control of the TOR Signaling Pathway in <i>Saccharomyces cerevisiae</i> . <i>Biomolecules</i> , 2023, 13, 642.	1.8	2
5035	Defining regorafenib as a senomorphic drug: therapeutic potential in the age-related lung disease emphysema. <i>Experimental and Molecular Medicine</i> , 2023, 55, 794-805.	3.2	2
5036	Targeting mTOR for Anti-Aging and Anti-Cancer Therapy. <i>Molecules</i> , 2023, 28, 3157.	1.7	4
5037	The case for the therapeutic use of mechanistic/mammalian target of rapamycin (mTOR) inhibitors in xenotransplantation. <i>Xenotransplantation</i> , 2023, 30, .	1.6	3
5039	Uterine histotroph and conceptus development: III. Adrenomedullin stimulates proliferation, migration and adhesion of porcine trophectoderm cells via AKT-TSC2-MTOR cell signaling pathway. <i>Amino Acids</i> , 0, , .	1.2	0
5040	Genetic Variation in Sexual Size Dimorphism Is Associated with Variation in Sex-Specific Plasticity in <i>Drosophila</i> . <i>American Naturalist</i> , 2023, 202, 368-381.	1.0	1
5041	The Arabidopsis Target of Rapamycin kinase regulates ammonium assimilation and glutamine metabolism. <i>Plant Physiology</i> , 2023, 192, 2943-2957.	2.3	10
5043	Lysosomal nanotoxicity: Impact of nanomedicines on lysosomal function. <i>Advanced Drug Delivery Reviews</i> , 2023, 197, 114828.	6.6	7
5044	Functional characterization of novel NPRL3 mutations identified in three families with focal epilepsy. <i>Science China Life Sciences</i> , 2023, 66, 2152-2166.	2.3	1
5045	A ketogenic diet alters mTOR activity, systemic metabolism and potentially prevents collagen degradation associated with chronic alcohol consumption in mice. <i>Metabolomics</i> , 2023, 19, .	1.4	1
5047	mTOR Inhibition Impairs the Activation and Function of Belatacept-Resistant CD4+CD57+ T Cells In Vivo and In Vitro. <i>Pharmaceutics</i> , 2023, 15, 1299.	2.0	1
5051	Ageing, Metabolic Dysfunction, and the Therapeutic Role of Antioxidants. <i>Sub-Cellular Biochemistry</i> , 2023, , 341-435.	1.0	2

#	ARTICLE	IF	CITATIONS
5053	Anticancer drugs acting on signaling pathways, part 2: Inhibitors of serine-threonine kinases and miscellaneous signaling pathways. , 2023, , 565-635.		0
5102	Regulation of CD8+ T memory and exhaustion by the mTOR signals. , 2023, 20, 1023-1039.		4
5110	Regulation of omega-3 fatty acids production by different genes in freshwater fish species: a review. Fish Physiology and Biochemistry, 2023, 49, 1005-1016.	0.9	0
5123	Anti-CD20 antibody treatment for diffuse large B cell lymphoma: Genetic alterations and signaling pathways. , 2024, , 77-102.		0
5157	Editorial: Deciphering and targeting the mTOR pathway in hematologic malignancies. Frontiers in Oncology, 0, 13, .	1.3	0
5174	Autophagy-targeted drug delivery system in the management of cancer. , 2024, , 63-80.		0
5192	Radioiodine Refractory Thyroid Cancer. , 2023, , 165-188.		0