

mTOR Signaling in Growth, Metabolism, and Disease

Cell

168, 960-976

DOI: [10.1016/j.cell.2017.02.004](https://doi.org/10.1016/j.cell.2017.02.004)

Citation Report

#	ARTICLE	IF	CITATIONS
1	AKT/PKB Signaling: Navigating the Network. <i>Cell</i> , 2017, 169, 381-405.	13.5	2,454
2	Caught in the cROsSfire: GSH Controls T Cell Metabolic Reprogramming. <i>Immunity</i> , 2017, 46, 525-527.	6.6	23
3	Functional relevance of miRNAs in premature ageing. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 10-19.	2.2	11
4	Molecular mechanisms controlling protein synthesis in memory reconsolidation. <i>Neurobiology of Learning and Memory</i> , 2017, 142, 30-40.	1.0	28
5	mTORC in \hat{I}^2 cells: more Than Only Recognizing Comestibles. <i>Journal of Cell Biology</i> , 2017, 216, 1883-1885.	2.3	10
6	Suppressing mTORC1 on the lysosome. <i>EMBO Journal</i> , 2017, 36, 1809-1810.	3.5	0
7	For Certain, SIRT4 Activities!. <i>Trends in Biochemical Sciences</i> , 2017, 42, 499-501.	3.7	18
8	Mechanistic Target of Rapamycin Is a Novel Molecular Mechanism Linking Folate Availability and Cell Function. <i>Journal of Nutrition</i> , 2017, 147, 1237-1242.	1.3	24
9	Control of B lymphocyte development and functions by the mTOR signaling pathways. <i>Cytokine and Growth Factor Reviews</i> , 2017, 35, 47-62.	3.2	42
10	Targeting the Akt, GSK-3, Bcl-2 axis in acute myeloid leukemia. <i>Advances in Biological Regulation</i> , 2017, 65, 36-58.	1.4	33
11	<scp>mTORC</scp>1 and <scp>mTORC</scp>2 as regulators of cell metabolism in immunity. <i>FEBS Letters</i> , 2017, 591, 3089-3103.	1.3	194
12	The anti-hepatocellular carcinoma cell activity by a novel mTOR kinase inhibitor CZ415. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 494-499.	1.0	8
13	Twenty-five years of mTOR: Uncovering the link from nutrients to growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11818-11825.	3.3	380
14	Microbiota and cancer: a complex equation with a lot of exciting unknowns. <i>Seminars in Immunology</i> , 2017, 32, 1-2.	2.7	1
15	A long and winding sTORy. <i>Nature Cell Biology</i> , 2017, 19, 1131-1131.	4.6	6
16	Nutrient sensing signaling integrates nutrient metabolism and intestinal immunity in grass carp, <i>Ctenopharyngodon idellus</i> after prolonged starvation. <i>Fish and Shellfish Immunology</i> , 2017, 71, 50-57.	1.6	15
17	Chronic treatment with novel nanoformulated micelles of rapamycin, Rapatar, protects diabetic heart against ischaemia/reperfusion injury. <i>British Journal of Pharmacology</i> , 2017, 174, 4771-4784.	2.7	18
18	TORC1 organized in inhibited domains (TOROIDS) regulate TORC1 activity. <i>Nature</i> , 2017, 550, 265-269.	13.7	100

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19	The mTORC1 Signaling Network Senses Changes in Cellular Purine Nucleotide Levels. <i>Cell Reports</i> , 2017, 21, 1331-1346.	2.9	149
20	Targeting the Lysosome for Cancer Therapy. <i>Cancer Discovery</i> , 2017, 7, 1218-1220.	7.7	64
21	A Larger BAT Improves Metabolism but Whiffs on Safety. <i>EBioMedicine</i> , 2017, 24, 9-10.	2.7	0
22	GSK3 ^β -dependent cyclin D1 and cyclin E1 degradation is indispensable for NVP-BEZ235 induced G0/G1 arrest in neuroblastoma cells. <i>Cell Cycle</i> , 2017, 16, 2386-2395.	1.3	29
23	Protein folding and tRNA biology. <i>Biophysical Reviews</i> , 2017, 9, 573-588.	1.5	10
24	Amino acid and small GTPase regulation of mTORC1. <i>Cellular Logistics</i> , 2017, 7, e1378794.	0.9	26
25	Clinical development of mTor inhibitors for renal cancer. <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 1229-1237.	1.9	49
26	The SIRT1 inhibitor EX-527 suppresses mTOR activation and alleviates acute lung injury in mice with endotoxemia. <i>Innate Immunity</i> , 2017, 23, 678-686.	1.1	43
27	mTORC1 Phosphorylates Acetyltransferase p300 to Regulate Autophagy and Lipogenesis. <i>Molecular Cell</i> , 2017, 68, 323-335.e6.	4.5	128
28	Depletion of the mRNA translation initiation inhibitor, programmed cell death protein 4 (PDCD4), impairs L6 myotube formation. <i>Physiological Reports</i> , 2017, 5, e13395.	0.7	6
29	Ecm33 is a novel factor involved in efficient glucose uptake for nutrition-responsive TORC1 signaling in yeast. <i>FEBS Letters</i> , 2017, 591, 3721-3729.	1.3	12
30	PtdIns3P controls mTORC1 signaling through lysosomal positioning. <i>Journal of Cell Biology</i> , 2017, 216, 4217-4233.	2.3	124
31	Elevated expression of neuropeptide signaling genes in the eyestalk ganglia and Y-organ of <i>Gecarcinus lateralis</i> individuals that are refractory to molt induction. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 214, 66-78.	0.8	13
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34	mTORC1 Activator SLC38A9 Is Required to Efflux Essential Amino Acids from Lysosomes and Use Protein as a Nutrient. <i>Cell</i> , 2017, 171, 642-654.e12.	13.5	340
35	hnRNPM guides an alternative splicing program in response to inhibition of the PI3K/AKT/mTOR pathway in Ewing sarcoma cells. <i>Nucleic Acids Research</i> , 2017, 45, 12270-12284.	6.5	57
36	Mammalian target of rapamycin complex 1 and FoxO1 in the transcriptional control of lipolysis and de novo lipogenesis. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2017, 24, 326-331.	1.2	4

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37	A lipid off-switch for mTORC1. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1356899.	0.3	2
38	Matching complex dietary landscapes with the signalling pathways that regulate life history traits. <i>Current Opinion in Genetics and Development</i> , 2017, 47, 9-16.	1.5	19
39	Inhibition of p70S6K does not mimic the enhancement of Akt phosphorylation by rapamycin. <i>Heliyon</i> , 2017, 3, e00378.	1.4	11
40	AAV-PHP.B-Mediated Global-Scale Expression in the Mouse Nervous System Enables GBA1 Gene Therapy for Wide Protection from Synucleinopathy. <i>Molecular Therapy</i> , 2017, 25, 2727-2742.	3.7	98
41	Emerging Roles for the Lysosome in Lipid Metabolism. <i>Trends in Cell Biology</i> , 2017, 27, 833-850.	3.6	181
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46	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
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48	MiR α 15a/16 deficiency enhances anti α tumor immunity of glioma α infiltrating CD8+ T cells through targeting mTOR. <i>International Journal of Cancer</i> , 2017, 141, 2082-2092.	2.3	67
49	The Dawn of the Age of Amino Acid Sensors for the mTORC1 Pathway. <i>Cell Metabolism</i> , 2017, 26, 301-309.	7.2	437
50	SOX4 Promotes Proliferative Signals by Regulating Glycolysis through AKT Activation in Melanoma Cells. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2407-2416.	0.3	26
51	TREM2 Maintains Microglial Metabolic Fitness in Alzheimer α 's Disease. <i>Cell</i> , 2017, 170, 649-663.e13.	13.5	741
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56	Cryo-EM structure of <i>Saccharomyces cerevisiae</i> target of rapamycin complex 2. <i>Nature Communications</i> , 2017, 8, 1729.	5.8	46
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59	Post-transcriptional Regulation of De Novo Lipogenesis by mTORC1-S6K1-SRPK2 Signaling. <i>Cell</i> , 2017, 171, 1545-1558.e18.	13.5	159
60	Structural basis for the assembly of the Ragulator-Rag GTPase complex. <i>Nature Communications</i> , 2017, 8, 1625.	5.8	55
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65	Metabolic abnormalities and oxidative stress in lupus. <i>Current Opinion in Rheumatology</i> , 2017, 29, 442-449.	2.0	67
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70	Autophagy and hepatic steatosis. <i>Current Opinion in Lipidology</i> , 2017, 28, 383-384.	1.2	2
71	Reciprocal regulation of miR-214 and PTEN by high glucose regulates renal glomerular mesangial and proximal tubular epithelial cell hypertrophy and matrix expansion. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C430-C447.	2.1	55
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74	Using genetic buffering relationships identified in fission yeast to reveal susceptibilities in cells lacking hamartin or tuberlin function. <i>Biology Open</i> , 2017, 7, .	0.6	1
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82	Branched-Chain Amino Acid Negatively Regulates KLF15 Expression via PI3K-AKT Pathway. <i>Frontiers in Physiology</i> , 2017, 8, 853.	1.3	29
83	Regulation of Metabolic Activity by p53. <i>Metabolites</i> , 2017, 7, 21.	1.3	63
84	Inositol Hexaphosphate Inhibits Proliferation and Induces Apoptosis of Colon Cancer Cells by Suppressing the AKT/mTOR Signaling Pathway. <i>Molecules</i> , 2017, 22, 1657.	1.7	33
85	The Role of Mammalian Target of Rapamycin (mTOR) in Insulin Signaling. <i>Nutrients</i> , 2017, 9, 1176.	1.7	215
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150	Targeting mTOR by CZ415 Inhibits Head and Neck Squamous Cell Carcinoma Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 676-686.	1.1	12
151	Architecture and activation of phosphatidylinositol 3-kinase related kinases. <i>Current Opinion in Structural Biology</i> , 2018, 49, 177-189.	2.6	50
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1251	Inhibitory functions of cardamonin against particulate matter-induced lung injury through TLR2,4-mTOR-autophagy pathways. <i>FÄ-toterapÄ-Äç</i> , 2020, 146, 104724.	1.1	6
1252	Brainstem prolactin-releasing peptide contributes to cancer anorexia-cachexia syndrome in rats. <i>Neuropharmacology</i> , 2020, 180, 108289.	2.0	4
1253	Novel brain permeant mTORC1/2 inhibitors are as efficacious as rapamycin or everolimus in mouse models of acquired partial epilepsy and tuberous sclerosis complex. <i>Neuropharmacology</i> , 2020, 180, 108297.	2.0	23
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1267	AIMTOR, a BRET biosensor for live imaging, reveals subcellular mTOR signaling and dysfunctions. <i>BMC Biology</i> , 2020, 18, 81.	1.7	8

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1284	Lipid Regulatory Proteins as Potential Therapeutic Targets for Ovarian Cancer in Obese Women. <i>Cancers</i> , 2020, 12, 3469.	1.7	21
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1393	Autophagy in Age-Related Macular Degeneration: A Regulatory Mechanism of Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	43
1394	Lipid Players of Cellular Senescence. <i>Metabolites</i> , 2020, 10, 339.	1.3	28

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1396	Proteotoxic Stress and Cell Death in Cancer Cells. <i>Cancers</i> , 2020, 12, 2385.	1.7	34
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1490	Use of a paraprobiotic and postbiotic feed supplement (HWF [®] , [©]) improves the growth performance, composition and function of gut microbiota in hybrid sturgeon (<i>Acipenser baerii</i> x <i>Acipenser</i>) Tj ETQq1 1 0.7843141gBT /Overclock 10	1.8	10
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1647	The regulation of rapamycin on nutrient metabolism in Nile tilapia fed with high-energy diet. <i>Aquaculture</i> , 2020, 520, 734975.	1.7	22
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1675	The effect of intrauterine inflammation on mTOR signaling in mouse fetal brain. <i>Developmental Neurobiology</i> , 2020, 80, 149-159.	1.5	4
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1680	Mechanisms of neurite repair. <i>Current Opinion in Neurobiology</i> , 2020, 63, 53-58.	2.0	11
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1688	PI(3,4)P2 Signaling in Cancer and Metabolism. <i>Frontiers in Oncology</i> , 2020, 10, 360.	1.3	48
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1695	Knockdown of the α 5 laminin chain affects differentiation of colorectal cancer cells and their sensitivity to chemotherapy. <i>Biochimie</i> , 2020, 174, 107-116.	1.3	19
1696	The duality of human oncoproteins: drivers of cancer and congenital disorders. <i>Nature Reviews Cancer</i> , 2020, 20, 383-397.	12.8	44
1697	Calorie restriction improves aging-induced impairment of cognitive function in relation to deregulation of corticosterone status and brain regional GABA system. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111248.	2.2	14
1698	Hormonal control of the crustacean molting gland: Insights from transcriptomics and proteomics. <i>General and Comparative Endocrinology</i> , 2020, 294, 113493.	0.8	39
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1700	Hydrogen extends <i>Caenorhabditis elegans</i> longevity by reducing reactive oxygen species. <i>PLoS ONE</i> , 2020, 15, e0231972.	1.1	8
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1702	High Protein Intake Is Associated With Histological Disease Activity in Patients With NAFLD. <i>Hepatology Communications</i> , 2020, 4, 681-695.	2.0	28
1703	CircRNA BIRC6 promotes non-small cell lung cancer cell progression by sponging microRNA-145. <i>Cellular Oncology (Dordrecht)</i> , 2020, 43, 477-488.	2.1	39

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1705	Chronic activation of hexosamine biosynthesis in the heart triggers pathological cardiac remodeling. <i>Nature Communications</i> , 2020, 11, 1771.	5.8	58
1706	Fasting inhibits aerobic glycolysis and proliferation in colorectal cancer via the Fdft1-mediated AKT/mTOR/HIF1 α pathway suppression. <i>Nature Communications</i> , 2020, 11, 1869.	5.8	129
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1866	Lysosome function in glomerular health and disease. <i>Cell and Tissue Research</i> , 2021, 385, 371-392.	1.5	21
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1871	Metabolic Reprogramming Induces Immune Cell Dysfunction in the Tumor Microenvironment of Multiple Myeloma. <i>Frontiers in Oncology</i> , 2020, 10, 591342.	1.3	20
1872	Strategies for Multiplexed Biosensor Imaging to Study Intracellular Signaling Networks. <i>Methods in Molecular Biology</i> , 2021, 2350, 1-20.	0.4	3
1873	Silencing of SmgGDS, a Novel mTORC1 Inducer That Binds to RHEBs, Inhibits Malignant Mesothelioma Cell Proliferation. <i>Molecular Cancer Research</i> , 2021, 19, 921-931.	1.5	3
1874	Clinical and genomic characteristics of metabolic syndrome in colorectal cancer. <i>Aging</i> , 2021, 13, 5442-5460.	1.4	3
1875	Abiotic stress-related genes governing signal transduction cascades in wild plants with emphasis to those in <i>Hordeum spontaneum</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2022, 31, 12-21.	0.9	3
1876	A plant plasma-membrane H ⁺ -ATPase promotes yeast TORC1 activation via its carboxy-terminal tail. <i>Scientific Reports</i> , 2021, 11, 4788.	1.6	7
1877	Hypothalamic BMP9 suppresses glucose production by central PI3K/Akt/mTOR pathway. <i>Journal of Endocrinology</i> , 2021, 248, 221-235.	1.2	4
1878	High expression of mTOR signaling in granulomatous lesions is not predictive for the clinical course of sarcoidosis. <i>Respiratory Medicine</i> , 2021, 177, 106294.	1.3	10
1879	The potential role of sestrin 2 in liver regeneration. <i>Free Radical Biology and Medicine</i> , 2021, 163, 255-267.	1.3	6
1880	A new case of <scp>Smithâ€Kingsmore</scp> syndrome with somatic <scp>MTOR</scp> pathogenic variant expands the phenotypic spectrum to lateralized overgrowth. <i>Clinical Genetics</i> , 2021, 99, 719-723.	1.0	7
1881	Modulation of Autophagy: A Novel â€œRejuvenationâ€-Strategy for the Aging Liver. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-30.	1.9	9
1882	mTORC1 (Mechanistic Target of Rapamycin Complex 1) Signaling in Endothelial and Smooth Muscle Cells Is Required for Vascular Function. <i>Hypertension</i> , 2021, 77, 594-604.	1.3	11
1883	The Roles of Post-Translational Modifications on mTOR Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1784.	1.8	15
1884	The Role of mTOR Signaling as a Therapeutic Target in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1743.	1.8	128
1885	Cutaneous Squamous Cell Carcinoma: From Pathophysiology to Novel Therapeutic Approaches. <i>Biomedicines</i> , 2021, 9, 171.	1.4	94
1886	Mitophagy in tumorigenesis and metastasis. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3817-3851.	2.4	90
1887	Rapamycin-Loaded Lipid Nanocapsules Induce Selective Inhibition of the mTORC1-Signaling Pathway in Glioblastoma Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 602998.	2.0	7

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1888	Methyltransferase-like 1 regulates lung adenocarcinoma A549 cell proliferation and autophagy via the AKT/mTORC1 signaling pathway. <i>Oncology Letters</i> , 2021, 21, 330.	0.8	25
1889	Amino acid sensing pathway: A major check point in the pathogenesis of obesity and COVID-19. <i>Obesity Reviews</i> , 2021, 22, e13221.	3.1	18
1890	Ilexgenin A restrains CRTC2 in the cytoplasm to prevent SREBP1 maturation via AMP kinase activation in the liver. <i>British Journal of Pharmacology</i> , 2021, , .	2.7	6
1891	The Efficacy and Safety of the mTOR Signaling Pathway Activator, MHY1485, for in vitro Activation of Human Ovarian Tissue. <i>Frontiers in Genetics</i> , 2020, 11, 603683.	1.1	5
1892	Interactions between Growth of Muscle and Stature: Mechanisms Involved and Their Nutritional Sensitivity to Dietary Protein: The Protein-Stat Revisited. <i>Nutrients</i> , 2021, 13, 729.	1.7	18
1893	Colorectal Cancer Stem Cell States Uncovered by Simultaneous Single-Cell Analysis of Transcriptome and Telomeres. <i>Advanced Science</i> , 2021, 8, 2004320.	5.6	36
1894	Evidence for the Contribution of Gut Microbiota to Age-Related Anabolic Resistance. <i>Nutrients</i> , 2021, 13, 706.	1.7	19
1895	Genome-wide discovery of genetic loci that uncouple excess adiposity from its comorbidities. <i>Nature Metabolism</i> , 2021, 3, 228-243.	5.1	70
1896	Two-meal caloric restriction induces 12-hour rhythms and improves glucose homeostasis. <i>FASEB Journal</i> , 2021, 35, e21342.	0.2	5
1897	Differential miRNA Profiles Correlate With Disparate Immunity Outcomes Associated With Vaccine Immunization and Chlamydial Infection. <i>Frontiers in Immunology</i> , 2021, 12, 625318.	2.2	4
1898	Bovine Pre-adipocyte Adipogenesis Is Regulated by bta-miR-150 Through mTOR Signaling. <i>Frontiers in Genetics</i> , 2021, 12, 636550.	1.1	8
1899	Gaucher disease: Basic and translational science needs for more complete therapy and management. <i>Molecular Genetics and Metabolism</i> , 2021, 132, 59-75.	0.5	28
1900	Disruption of morphogenic and growth pathways in lysosomal storage diseases. <i>WIREs Mechanisms of Disease</i> , 2021, 13, e1521.	1.5	1
1901	TSC1 Suppresses Macrophage Necroptosis for the Control of Infection by Fungal Pathogen <i>Candida albicans</i> . <i>ImmunoHorizons</i> , 2021, 5, 90-101.	0.8	8
1902	mTORC1 activity is supported by spatial association with focal adhesions. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	41
1905	...		
1906	Pretreatment of Huoxue Jiedu Formula Ameliorates Myocardial Ischaemia/Reperfusion Injury by Decreasing Autophagy via Activation of the PI3K/AKT/mTOR Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 608790.	1.6	8
1907	Accelerated Aging and Age-Related Diseases (CVD and Neurological) Due to Air Pollution and Traffic Noise Exposure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2419.	1.8	33

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1909	The host mTOR pathway and parasitic diseases pathogenesis. <i>Parasitology Research</i> , 2021, 120, 1151-1166.	0.6	19
1910	Mitochondrial Dysfunction Increases Arrhythmic Triggers and Substrates; Potential Anti-arrhythmic Pharmacological Targets. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 646932.	1.1	8
1911	atg7 and beclin1 are essential for energy metabolism and survival during the larval-to-juvenile transition stage of zebrafish. <i>Aquaculture and Fisheries</i> , 2022, 7, 359-372.	1.2	8
1912	Role of adenomatous polyposis coli in proliferation and differentiation of colon epithelial cells in organoid culture. <i>Scientific Reports</i> , 2021, 11, 3980.	1.6	4
1913	Mitochondrial Regulation of Macrophage Response Against Pathogens. <i>Frontiers in Immunology</i> , 2020, 11, 622602.	2.2	13
1914	Flexibility and Adaptation of Cancer Cells in a Heterogenous Metabolic Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1476.	1.8	19
1915	The potential of rapalogs to enhance resilience against SARS-CoV-2 infection and reduce the severity of COVID-19. <i>The Lancet Healthy Longevity</i> , 2021, 2, e105-e111.	2.0	34
1916	The role of G-CSF neuroprotective effects in neonatal hypoxic-ischemic encephalopathy (HIE): current status. <i>Journal of Neuroinflammation</i> , 2021, 18, 55.	3.1	17
1917	Heteromeric Amino Acid Transporters in Brain: from Physiology to Pathology. <i>Neurochemical Research</i> , 2022, 47, 23-36.	1.6	10
1918	De Novo Transcriptome Profiling of Brain Tissue from the Annual Killifish <i>Nothobranchius guentheri</i> . <i>Life</i> , 2021, 11, 137.	1.1	5
1919	The role of insulin-like growth factors in modulating the activity of dental mesenchymal stem cells. <i>Archives of Oral Biology</i> , 2021, 122, 104993.	0.8	3
1920	The mTORC1/eIF4E/HIF-1 β Pathway Mediates Glycolysis to Support Brain Hypoxia Resistance in the Gansu Zokor, <i>Eospalax cansus</i> . <i>Frontiers in Physiology</i> , 2021, 12, 626240.	1.3	16
1921	Finding new edges: systems approaches to MTOR signaling. <i>Biochemical Society Transactions</i> , 2021, 49, 41-54.	1.6	4
1922	MYG1 promotes proliferation and inhibits autophagy in lung adenocarcinoma cells via the AMPK/mTOR complex 1 signaling pathway. <i>Oncology Letters</i> , 2021, 21, 334.	0.8	2
1923	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
1924	mTOR-dependent dysregulation of autophagy contributes to the retinal ganglion cell loss in streptozotocin-induced diabetic retinopathy. <i>Cell Communication and Signaling</i> , 2021, 19, 29.	2.7	29
1925	IL-10 Enhances Human Natural Killer Cell Effector Functions via Metabolic Reprogramming Regulated by mTORC1 Signaling. <i>Frontiers in Immunology</i> , 2021, 12, 619195.	2.2	29

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1926	Investigating increased hematopoietic stem cell fitness in a novel mouse model. <i>Small GTPases</i> , 2021, , 1-7.	0.7	0
1927	Tripartite suppression of fission yeast TORC1 signaling by the GATOR1-Sea3 complex, the TSC complex, and Gcn2 kinase. <i>ELife</i> , 2021, 10, .	2.8	22
1928	Autophagy inhibitors increase the susceptibility of KRAS-mutant human colorectal cancer cells to a combined treatment of 2-deoxy-D-glucose and lovastatin. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1875-1887.	2.8	13
1929	The Mechanisms of L-Arginine Metabolism Disorder in Endothelial Cells. <i>Biochemistry (Moscow)</i> , 2021, 86, 146-155.	0.7	9
1930	TRIM Proteins in Colorectal Cancer: TRIM8 as a Promising Therapeutic Target in Chemo Resistance. <i>Biomedicines</i> , 2021, 9, 241.	1.4	12
1931	TOR coordinates nucleotide availability with ribosome biogenesis in plants. <i>Plant Cell</i> , 2021, 33, 1615-1632.	3.1	38
1932	The PI3K/Akt/mTORC signaling axis in head and neck squamous cell carcinoma: Possibilities for therapeutic interventions either as single agents or in combination with conventional therapies. <i>IUBMB Life</i> , 2021, 73, 618-642.	1.5	19
1933	Reaction Pathway Sampling and Free-Energy Analyses for Multimeric Protein Complex Disassembly by Employing Hybrid Configuration Bias Monte Carlo/Molecular Dynamics Simulation. <i>ACS Omega</i> , 2021, 6, 4749-4758.	1.6	6
1934	Clinical, cellular, and molecular characterisation of cardiac rhabdomyoma in tuberous sclerosis. <i>Cardiology in the Young</i> , 2021, 31, 1297-1305.	0.4	6
1935	Adaptive immunity at the crossroads of autophagy and metabolism. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1096-1105.	4.8	26
1937	Light Stimuli and Circadian Clock Affect Neural Development in <i>Drosophila melanogaster</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 595754.	1.8	2
1938	The essential role of PRAK in tumor metastasis and its therapeutic potential. <i>Nature Communications</i> , 2021, 12, 1736.	5.8	17
1939	PI3K/AKT/mTOR signalling pathway involvement in renal cell carcinoma pathogenesis (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 540.	0.8	47
1940	Fisetin inhibits inflammation and induces autophagy by mediating PI3K/AKT/mTOR signaling in LPS-induced RAW264.7 cells. <i>Food and Nutrition Research</i> , 2021, 65, .	1.2	16
1941	Nutrient sensing. <i>Current Opinion in Gastroenterology</i> , 2021, 37, 114-120.	1.0	1
1942	Mechanisms of Resistance to PI3K Inhibitors in Cancer: Adaptive Responses, Drug Tolerance and Cellular Plasticity. <i>Cancers</i> , 2021, 13, 1538.	1.7	37
1943	Exerciseâ€™A Panacea of Metabolic Dysregulation in Cancer: Physiological and Molecular Insights. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3469.	1.8	9
1944	Perspectives on ROCK2 as a Therapeutic Target for Alzheimerâ€™s Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 636017.	1.8	26

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1945	Prematurity blunts the insulin- and amino acid-induced stimulation of translation initiation and protein synthesis in skeletal muscle of neonatal pigs. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E551-E565.	1.8	12
1946	Autophagy mediated lipid catabolism facilitates glioma progression to overcome bioenergetic crisis. <i>British Journal of Cancer</i> , 2021, 124, 1711-1723.	2.9	9
1947	Novel Targets for Hypertension Drug Discovery. <i>Current Hypertension Reports</i> , 2021, 23, 19.	1.5	4
1948	Metabolic plasticity allows cancer cells to thrive under nutrient starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
1949	High-dose rapamycin exerts a temporary impact on <i>T. reesei</i> RUT-C30 through gene trFKBP12. <i>Biotechnology for Biofuels</i> , 2021, 14, 77.	6.2	8
1951	Lifetime Impact of Cow's Milk on Overactivation of mTORC1: From Fetal to Childhood Overgrowth, Acne, Diabetes, Cancers, and Neurodegeneration. <i>Biomolecules</i> , 2021, 11, 404.	1.8	21
1952	Role of the mTOR-autophagy-ER stress pathway in high fructose-induced metabolic-associated fatty liver disease. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 10-14.	2.8	14
1953	Mitochondria: emerging therapeutic strategies for oocyte rescue. <i>Reproductive Sciences</i> , 2022, 29, 711-722.	1.1	18
1954	Perfluorotridecanoic acid inhibits fetal Leydig cell differentiation after in utero exposure in rats via increasing oxidative stress and autophagy. <i>Environmental Toxicology</i> , 2021, 36, 1206-1216.	2.1	5
1955	Prosaposin mediates inflammation in atherosclerosis. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	42
1956	Elevated Glucosylsphingosine in Gaucher Disease induced Pluripotent Stem Cell Neurons Deregulates Lysosomal Compartment through Mammalian Target of Rapamycin Complex 1. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1081-1094.	1.6	19
1957	Diabetes fuels periodontal lesions via GLUT1-driven macrophage inflammaging. <i>International Journal of Oral Science</i> , 2021, 13, 11.	3.6	30
1958	Polyplody formation in cancer cells: How a Trojan horse is born. <i>Seminars in Cancer Biology</i> , 2022, 81, 24-36.	4.3	38
1959	A head-to-head comparison review of biological and toxicological studies of isomaltulose, tagatose, and trehalose on glycemic control. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5679-5704.	5.4	21
1960	Mitochondrial genotype alters the impact of rapamycin on the transcriptional response to nutrients in <i>Drosophila</i> . <i>BMC Genomics</i> , 2021, 22, 213.	1.2	9
1961	Decreased expression of the translation factor eIF3e induces senescence in breast cancer cells via suppression of PARP1 and activation of mTORC1. <i>Oncotarget</i> , 2021, 12, 649-664.	0.8	6
1962	Overcoming Glucocorticoid Resistance in Acute Lymphoblastic Leukemia: Repurposed Drugs Can Improve the Protocol. <i>Frontiers in Oncology</i> , 2021, 11, 617937.	1.3	25
1963	Role of tubular epithelial arginase-II in renal inflammaging. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 5.	4.5	9

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1964	The Effect of Hispidulin, a Flavonoid from <i>Salvia plebeia</i> , on Human Nasopharyngeal Carcinoma CNE-2Z Cell Proliferation, Migration, Invasion, and Apoptosis. <i>Molecules</i> , 2021, 26, 1604.	1.7	4
1965	mTOR inhibitor INK128 promotes wound healing by regulating MDSCs. <i>Stem Cell Research and Therapy</i> , 2021, 12, 170.	2.4	13
1966	The role of OFD1 in selective autophagy. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1903291.	0.3	4
1967	Upregulation of the pathogenic transcription factor SPI1/PU.1 in tuberous sclerosis complex and focal cortical dysplasia by oxidative stress. <i>Brain Pathology</i> , 2021, 31, e12949.	2.1	11
1968	Phase II Clinical Trial of Everolimus in a Pan-Cancer Cohort of Patients with mTOR Pathway Alterations. <i>Clinical Cancer Research</i> , 2021, 27, 3845-3853.	3.2	25
1969	Energy substrate metabolism in skeletal muscle and liver when consuming diets of different energy levels: comparison between Tibetan and Small-tailed Han sheep. <i>Animal</i> , 2021, 15, 100162.	1.3	7
1970	Vorolanib (X-82), an oral anti-VEGFR/PDGFR/CSF1R tyrosine kinase inhibitor, with everolimus in solid tumors: results of a phase I study. <i>Investigational New Drugs</i> , 2021, 39, 1298-1305.	1.2	18
1971	In Vivo CRISPR screening reveals nutrient signaling processes underpinning CD8+ T cell fate decisions. <i>Cell</i> , 2021, 184, 1245-1261.e21.	13.5	68
1972	Mechanistic Target of Rapamycin Inhibitors in Renal Cell Carcinoma: Potential, Limitations, and Perspectives. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 636037.	1.8	16
1973	Enhancing lifespan of budding yeast by pharmacological lowering of amino acid pools. <i>Aging</i> , 2021, 13, 7846-7871.	1.4	10
1975	Targeting mTOR-CCL20 Signaling May Improve Response to Docetaxel in Head and Neck Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3046.	1.8	1
1976	Fluorofenidone attenuates paraquat-induced pulmonary fibrosis by regulating the PI3K/Akt/mTOR signaling pathway and autophagy. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	11
1977	Regulation of DNA duplication by the mTOR signaling pathway. <i>Cell Cycle</i> , 2021, 20, 742-751.	1.3	6
1979	Oxidative Stress and the Intersection of Oncogenic Signaling and Metabolism in Squamous Cell Carcinomas. <i>Cells</i> , 2021, 10, 606.	1.8	3
1980	More Than Meets the Eye: Revisiting the Roles of Heat Shock Factor 4 in Health and Diseases. <i>Biomolecules</i> , 2021, 11, 523.	1.8	9
1981	Molecular and Metabolic Subtypes in Sporadic and Inherited Clear Cell Renal Cell Carcinoma. <i>Genes</i> , 2021, 12, 388.	1.0	10
1982	Systems Medicine Design for Triple-Negative Breast Cancer and Non-Triple-Negative Breast Cancer Based on Systems Identification and Carcinogenic Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3083.	1.8	1
1983	Clinical Potential of Kinase Inhibitors in Combination with Immune Checkpoint Inhibitors for the Treatment of Solid Tumors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2608.	1.8	13

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1984	CAGE-Seq Reveals that HIV-1 Latent Infection Does Not Trigger Unique Cellular Responses in a Jurkat T Cell Model. <i>Journal of Virology</i> , 2021, 95, .	1.5	1
1985	Therapeutic Delivery of Pip4k2câ€Modified mRNA Attenuates Cardiac Hypertrophy and Fibrosis in the Failing Heart. <i>Advanced Science</i> , 2021, 8, 2004661.	5.6	14
1986	Hsp90â€mediated regulation of DYRK3 couples stress granule disassembly and growth via mTORC1 signaling. <i>EMBO Reports</i> , 2021, 22, e51740.	2.0	41
1987	Pathogenesis of follicular lymphoma: genetics to the microenvironment to clinical translation. <i>British Journal of Haematology</i> , 2021, 194, 810-821.	1.2	27
1988	Gastrodin protects against high glucose-induced cardiomyocyte toxicity via GSK-3 ^{Î²} -mediated nuclear translocation of Nrf2. <i>Human and Experimental Toxicology</i> , 2021, 40, 1584-1597.	1.1	11
1989	Beyond Self-Recycling: Cell-Specific Role of Autophagy in Atherosclerosis. <i>Cells</i> , 2021, 10, 625.	1.8	20
1990	Trehalose causes low-grade lysosomal stress to activate TFEB and the autophagy-lysosome biogenesis response. <i>Autophagy</i> , 2021, 17, 3740-3752.	4.3	54
1991	LILAC pilot study: Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy. <i>EBioMedicine</i> , 2021, 65, 103270.	2.7	46
1992	Tissue-specific immunity for a changing world. <i>Cell</i> , 2021, 184, 1517-1529.	13.5	58
1993	Musculoskeletal Progenitor/Stromal Cell-Derived Mitochondria Modulate Cell Differentiation and Therapeutical Function. <i>Frontiers in Immunology</i> , 2021, 12, 606781.	2.2	24
1994	Metabolic Regulation of Thymic Epithelial Cell Function. <i>Frontiers in Immunology</i> , 2021, 12, 636072.	2.2	6
1995	Catching the wave. <i>Science</i> , 2021, 371, 1309-1310.	6.0	0
1996	TSC1 Affects the Process of Renal Ischemia-Reperfusionâ€Injury by Controlling Macrophage Polarization. <i>Frontiers in Immunology</i> , 2021, 12, 637335.	2.2	14
1997	SRSF1 inhibits autophagy through regulating Bcl-x splicing and interacting with PIK3C3 in lung cancer. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 108.	7.1	44
1998	T cells: a dedicated effector kinase pathways for every trait?. <i>Biochemical Journal</i> , 2021, 478, 1303-1307.	1.7	0
1999	Hydrogen peroxide (H2O2) 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
2000	The Landscape of Signaling Pathways and Proteasome Inhibitors Combinations in Multiple Myeloma. <i>Cancers</i> , 2021, 13, 1235.	1.7	16
2001	MTORC1-Regulated Metabolism Controlled by TSC2 Limits Cardiac Reperfusion Injury. <i>Circulation Research</i> , 2021, 128, 639-651.	2.0	28

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2002	Fumonisin B1 induces nephrotoxicity via autophagy mediated by mTORC1 instead of mTORC2 in human renal tubule epithelial cells. <i>Food and Chemical Toxicology</i> , 2021, 149, 112037.	1.8	11
2003	Cellular Energetics of Mast Cell Development and Activation. <i>Cells</i> , 2021, 10, 524.	1.8	12
2004	Modeling Neuroregeneration and Neurorepair in an Aging Context: The Power of a Teleost Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619197.	1.8	13
2005	WAVE2 suppresses mTOR activation to maintain T cell homeostasis and prevent autoimmunity. <i>Science</i> , 2021, 371, .	6.0	23
2006	Molecular Regulation of Skeletal Muscle Growth and Organelle Biosynthesis: Practical Recommendations for Exercise Training. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2741.	1.8	18
2007	The complexity of p53-mediated metabolic regulation in tumor suppression. <i>Seminars in Cancer Biology</i> , 2022, 85, 4-32.	4.3	104
2008	PI3K/AKT/MTOR and ERK1/2-MAPK signaling pathways are involved in autophagy stimulation induced by caloric restriction or caloric restriction mimetics in cortical neurons. <i>Aging</i> , 2021, 13, 7872-7882.	1.4	15
2009	A protective role for autophagy in vitiligo. <i>Cell Death and Disease</i> , 2021, 12, 318.	2.7	21
2011	Fabrication of Gallic Acid Loaded SeNPs and their Neuroprotection Effect for Treatment of Ischemic Stroke. <i>Journal of Cluster Science</i> , 2022, 33, 1427-1433.	1.7	2
2012	ATP-Independent Initiation during Cap-Independent Translation of m6A-Modified mRNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3662.	1.8	3
2013	TSC-insensitive Rheb mutations induce oncogenic transformation through a combination of constitutively active mTORC1 signalling and proteome remodelling. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4035-4052.	2.4	5
2014	Differential controls of MAIT cell effector polarization by mTORC1/mTORC2 via integrating cytokine and costimulatory signals. <i>Nature Communications</i> , 2021, 12, 2029.	5.8	21
2015	Fish Oil Diet during Pre-Emating, Gestation, and Lactation in Adult Offspring Rats on Cancer Cachexia Prevention. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000863.	1.5	1
2016	Targeting Mammalian Target of Rapamycin: Prospects for the Treatment of Inflammatory Bowel Diseases. <i>Current Medicinal Chemistry</i> , 2021, 28, 1605-1624.	1.2	20
2017	Understanding intrinsic survival and regenerative pathways through in vivo and in vitro studies: implications for optic nerve regeneration. <i>Expert Review of Ophthalmology</i> , 2021, 16, 205-215.	0.3	2
2018	Exon-Intron Differential Analysis Reveals the Role of Competing Endogenous RNAs in Post-Transcriptional Regulation of Translation. <i>Non-coding RNA</i> , 2021, 7, 26.	1.3	3
2019	Metabolic Regulation of Stem Cells in Aging. <i>Current Stem Cell Reports</i> , 2021, 7, 72-84.	0.7	3
2020	Shared Components of the FRQ-Less Oscillator and TOR Pathway Maintain Rhythmicity in <i>Neurospora crassa</i> . <i>Journal of Biological Rhythms</i> , 2021, 36, 329-345.	1.4	4

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2021	The Anti-Cancer Effects of a Zotarolimus and 5-Fluorouracil Combination Treatment on A549 Cell-Derived Tumors in BALB/c Nude Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4562.	1.8	7
2022	Leucine-sensing mechanism of leucyl-tRNA synthetase 1 for mTORC1 activation. <i>Cell Reports</i> , 2021, 35, 109031.	2.9	20
2023	Cell-programmed nutrient partitioning in the tumour microenvironment. <i>Nature</i> , 2021, 593, 282-288.	13.7	491
2024	MIR99AHG is a noncoding tumor suppressor gene in lung adenocarcinoma. <i>Cell Death and Disease</i> , 2021, 12, 424.	2.7	24
2025	Macronutrient Determinants of Obesity, Insulin Resistance and Metabolic Health. <i>Biology</i> , 2021, 10, 336.	1.3	14
2026	mTORC2 deploys the mRNA binding protein IGF2BP1 to regulate c-MYC expression and promote cell survival. <i>Cellular Signalling</i> , 2021, 80, 109912.	1.7	10
2027	NICEâ€³â€³knockdown induces cell cycle arrest and autophagy in lung adenocarcinoma cells via the AKT/mTORC1 signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 625.	0.8	1
2028	Genomic polymorphisms at the crhr2 locus improve feed conversion efficiency through alleviation of hypothalamus-pituitary-interrenal axis activity in gibel carp (<i>Carassius gibelio</i>). <i>Science China Life Sciences</i> , 2022, 65, 206-214.	2.3	6
2029	CCCPâ€³induced mitochondrial dysfunction â€³ characterization and analysis of integrated stress response to cellular signaling and homeostasis. <i>FEBS Journal</i> , 2021, 288, 5737-5754.	2.2	24
2030	Inhibition of MTOR signaling impairs rat embryo organogenesis by affecting folate availability. <i>Reproduction</i> , 2021, 161, 365-373.	1.1	6
2031	A mTORC1-mediated cyst(e)ine sensing mechanism governing GPX4 synthesis and ferroptosis. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1919006.	0.3	2
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2034	How autophagy controls the intestinal epithelial barrier. <i>Autophagy</i> , 2022, 18, 86-103.	4.3	125
2035	Skin Abnormalities in Disorders with DNA Repair Defects, Premature Aging, and Mitochondrial Dysfunction. <i>Journal of Investigative Dermatology</i> , 2021, 141, 968-975.	0.3	21
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2040	ATP6VOA1 encoding the a1-subunit of the V0 domain of vacuolar H ⁺ -ATPases is essential for brain development in humans and mice. <i>Nature Communications</i> , 2021, 12, 2107.	5.8	30
2041	CXCL2 benefits acute myeloid leukemia cells in hypoxia. <i>International Journal of Laboratory Hematology</i> , 2021, 43, 1085-1092.	0.7	7
2042	Racially Disparate Expression of mTOR/ERK-1/2 Allied Proteins in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 601929.	1.8	4
2043	Emerging Disease-Modifying Therapies in Neurodegeneration With Brain Iron Accumulation (NBIA) Disorders. <i>Frontiers in Neurology</i> , 2021, 12, 629414.	1.1	28
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2046	Connectivity Map Analysis of a Single-Cell RNA-Sequencing -Derived Transcriptional Signature of mTOR Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4371.	1.8	8
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2049	The role of microRNAs in cell death pathways. <i>Yeungnam University Journal of Medicine</i> , 2021, 38, 107-117.	0.7	14
2050	Dendritic cell metabolism: moving beyond in vitro-culture-generated paradigms. <i>Current Opinion in Biotechnology</i> , 2021, 68, 202-212.	3.3	7
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2055	The Contribution of Lysosomes to DNA Replication. <i>Cells</i> , 2021, 10, 1068.	1.8	5
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2069	Tissue Homeostasis and Inflammation. <i>Annual Review of Immunology</i> , 2021, 39, 557-581.	9.5	143
2070	A guide to interrogating immunometabolism. <i>Nature Reviews Immunology</i> , 2021, 21, 637-652.	10.6	87
2071	A deep analysis of the proteomic and phosphoproteomic alterations that occur in skeletal muscle after the onset of immobilization. <i>Journal of Physiology</i> , 2021, 599, 2887-2906.	1.3	13
2072	Qiyusanlong Formula Induces Autophagy in Non-Small-Cell Lung Cancer Cells and Xenografts through the mTOR Signaling Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	1
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2074	Pasteurized non-fermented cow's milk but not fermented milk is a promoter of mTORC1-driven aging and increased mortality. <i>Ageing Research Reviews</i> , 2021, 67, 101270.	5.0	13
2075	Discordant regulation of eIF2 kinase GCN2 and mTORC1 during nutrient stress. <i>Nucleic Acids Research</i> , 2021, 49, 5726-5742.	6.5	26

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2082	Identification of Transcription Factors and the Regulatory Genes Involved in Triacylglycerol Accumulation in the Unicellular Red Alga <i>Cyanidioschyzon merolae</i> . <i>Plants</i> , 2021, 10, 971.	1.6	8
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2084	MTOR Signaling and Metabolism in Early T Cell Development. <i>Genes</i> , 2021, 12, 728.	1.0	16
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2086	Fatty acid oxidation is required for embryonic stem cell survival during metabolic stress. <i>EMBO Reports</i> , 2021, 22, e52122.	2.0	14
2087	New Insights into CDK Regulators: Novel Opportunities for Cancer Therapy. <i>Trends in Cell Biology</i> , 2021, 31, 331-344.	3.6	58
2088	A guide to understanding endoplasmic reticulum stress in metabolic disorders. <i>Molecular Metabolism</i> , 2021, 47, 101169.	3.0	134
2089	Effects of phosphatidic acid on growth and antioxidant capacity in juvenile turbot, <i>Scophthalmus maximus</i> L., fed with high plant protein-based diets. <i>Journal of the World Aquaculture Society</i> , 2021, 52, 947-960.	1.2	2
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2095	A conformational change in the N terminus of SLC38A9 signals mTORC1 activation. <i>Structure</i> , 2021, 29, 426-432.e8.	1.6	17
2096	mTORC1 stimulates cell growth through SAM synthesis and m6A mRNA-dependent control of protein synthesis. <i>Molecular Cell</i> , 2021, 81, 2076-2093.e9.	4.5	77
2097	Antrodia salmonea induces apoptosis and enhances cytoprotective autophagy in colon cancer cells. <i>Aging</i> , 2021, 13, 15964-15989.	1.4	18
2098	Insulin-Like Peptide Receptor-Mediated Signaling Pathways Orchestrate Regulation of Growth in the Pacific Oyster (<i>Crassostrea gigas</i>), as Revealed by Gene Expression Profiles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5259.	1.8	4
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2101	Regulation of eosinophil functions by autophagy. <i>Seminars in Immunopathology</i> , 2021, 43, 347-362.	2.8	12
2102	Adaptive Evolution: How Bacteria and Cancer Cells Survive Stressful Conditions and Drug Treatment. <i>Cancer Discovery</i> , 2021, 11, 1886-1895.	7.7	12
2103	The therapeutic landscape of hepatocellular carcinoma. <i>Med</i> , 2021, 2, 505-552.	2.2	20
2104	Cyst(e)ine in nutrition formulation promotes colon cancer growth and chemoresistance by activating mTORC1 and scavenging ROS. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 188.	7.1	22
2105	mTOR-Mediated Cell Death and Infection. <i>Infectious Microbes & Diseases</i> , 2021, 3, 57-68.	0.5	2
2106	An updated patent review of Akt inhibitors (2016-present). <i>Expert Opinion on Therapeutic Patents</i> , 2021, 31, 837-849.	2.4	8
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2108	Fasting: How to Guide. <i>Nutrients</i> , 2021, 13, 1570.	1.7	12
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2114	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. <i>ELife</i> , 2021, 10, .	2.8	40
2115	Methylglyoxal-Lysine Dimer, an Advanced Glycation End Product, Induces Inflammation via Interaction with RAGE in Mesangial Cells. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000799.	1.5	14
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2117	The Signaling Pathways Regulating NLRP3 Inflammasome Activation. <i>Inflammation</i> , 2021, 44, 1229-1245.	1.7	50
2118	Akt-mTOR hypoactivity in bipolar disorder gives rise to cognitive impairments associated with altered neuronal structure and function. <i>Neuron</i> , 2021, 109, 1479-1496.e6.	3.8	37
2119	NMR-based serum and urine metabolomic profile reveals suppression of mitochondrial pathways in experimental sepsis-associated acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F984-F1000.	1.3	13
2120	PPDPF alleviates hepatic steatosis through inhibition of mTOR signaling. <i>Nature Communications</i> , 2021, 12, 3059.	5.8	18
2121	New Insights into the Pathogenesis of Systemic Mastocytosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4900.	1.8	11
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2125	TORC2 inhibition of $\hat{\pm}$ -arrestin Aly3 mediates cell surface persistence of <i>S. pombe</i> Ght5 glucose transporter in low glucose. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	7
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2137	Reduced mTORC1 signaling in retinal ganglion cells leads to vascular retinopathy. <i>Developmental Dynamics</i> , 2022, 251, 321-335.	0.8	2
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2143	Signaling pathways in cancer-associated fibroblasts and targeted therapy for cancer. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 218.	7.1	242
2144	Baicalein Delays H ₂ O ₂ -Induced Astrocytic Senescence through Inhibition of Senescence-Associated Secretory Phenotype (SASP), Suppression of JAK2/STAT1/NF- κ B Pathway, and Regulation of Leucine Metabolism. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2320-2335.	1.7	13
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2156	Alzheimer's disease and type 2 diabetes mellitus: Pathophysiologic and pharmacotherapeutics links. <i>World Journal of Diabetes</i> , 2021, 12, 745-766.	1.3	28
2157	The biological relevance of pigment epithelium-derived factor on the path from aging to age-related disease. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111478.	2.2	9
2159	Sensitive period for rescuing parvalbumin interneurons connectivity and social behavior deficits caused by TSC1 loss. <i>Nature Communications</i> , 2021, 12, 3653.	5.8	30
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2162	Targeting mTOR and Glycolysis in HER2-Positive Breast Cancer. <i>Cancers</i> , 2021, 13, 2922.	1.7	29
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2167	AR-mTOR-SRF Axis Regulates HMMR Expression in Human Prostate Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2021, 29, 667-677.	1.1	12
2168	Applications of fluorine to the construction of bioisosteric elements for the purposes of novel drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2021, 16, 1261-1286.	2.5	32
2169	Autophagy in metabolism and quality control: opposing, complementary or interlinked functions?. <i>Autophagy</i> , 2022, 18, 283-292.	4.3	32
2170	The Evolution of STING Signaling and Its Involvement in Cancer. <i>Trends in Biochemical Sciences</i> , 2021, 46, 446-460.	3.7	38
2171	Nucleotide-binding domain and leucine-rich repeat-containing protein X1 deficiency induces nicotinamide adenine dinucleotide decline, mechanistic target of rapamycin activation, and cellular senescence and accelerates aging lung-like changes. <i>Aging Cell</i> , 2021, 20, e13410.	3.0	11

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2176	Fear, violence, inequality, and stunting in Guatemala. <i>American Journal of Human Biology</i> , 2021, , e23627.	0.8	13
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2180	Insulin-like Growth Factor 2 mRNA-Binding Protein 2â€™a Potential Link Between Type 2 Diabetes Mellitus and Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2807-2818.	1.8	20
2182	Serum metabolomics in chickens infected with <i>Cryptosporidium baileyi</i> . <i>Parasites and Vectors</i> , 2021, 14, 336.	1.0	6
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2185	Opportunities and Challenges of Small Molecule Induced Targeted Protein Degradation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 685106.	1.8	31
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