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mTOR: from growth signal integration to cancer, diabetes and ageing

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2267	The ribosome and TORC2: collaborators for cell growth. 2011 , 144, 640-2		14
2266	Anaplastic lymphoma kinase spares organ growth during nutrient restriction in Drosophila. 2011 , 146, 435-47		164
2265	FKBP51 regulation of AKT/protein kinase B phosphorylation. 2011 , 11, 360-4		36
2264	The cancerous translation apparatus. 2011 , 21, 474-83		92
2263	Combining an EGFR directed tyrosine kinase inhibitor with autophagy-inducing drugs: a beneficial strategy to combat non-small cell lung cancer. 2011 , 310, 207-15		60
2262	The inhibition of MAPK potentiates the anti-angiogenic efficacy of mTOR inhibitors. 2011 , 407, 714-9		21
2261	Endoplasmic reticulum is a main localization site of mTORC2. 2011 , 413, 46-52		58

2260	CCCp induces autophagy in an AMPK-independent manner. 2011 , 416, 343-8	45
2259	Metabolic pathway alterations that support cell proliferation. 2011 , 76, 325-34	207
2258	Identification of small molecule inhibitors of phosphatidylinositol 3-kinase and autophagy. 2011 , 286, 38904-12	74
2257	mTOR drives its own activation via SCF(β TrCP)-dependent degradation of the mTOR inhibitor DEPTOR. 2011 , 44, 290-303	191
2256	mTOR generates an auto-amplification loop by triggering the β TrCP- and CK1 β -dependent degradation of DEPTOR. 2011 , 44, 317-24	157
2255	mTOR: A pathogenic signaling pathway in developmental brain malformations. 2011 , 17, 734-42	190
2254	m-TOR inhibitors: what role in liver transplantation?. 2011 , 55, 1441-51	53
2253	TFEB, a novel mTORC1 effector implicated in lysosome biogenesis, endocytosis and autophagy. 2011 , 10, 3987-8	25
2252	New insights into insulin resistance in the diabetic heart. 2011 , 22, 394-403	80
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2250	Mammalian TOR signaling to the AGC kinases. 2011 , 46, 527-47	55
2249	Will kinase inhibitors make it as glioblastoma drugs?. 2012 , 355, 135-69	18
2248	Rapamycin-induced glucose intolerance: hunger or starvation diabetes. 2011 , 10, 4217-24	48
2247	Cell signaling. New mTOR targets Grb attention. 2011 , 332, 1270-1	23
2246	Fighting neurodegeneration with rapamycin: mechanistic insights. 2011 , 12, 437-52	371
2245	Deptor knockdown enhances mTOR Activity and protein synthesis in myocytes and ameliorates disuse muscle atrophy. 2011 , 17, 925-36	41
2244	Everolimus in kidney transplantation. 2011 , 97	1
2243	Evolution of Molecular Biomarkers in Targeted Therapy of Malignant Gliomas. 2011 ,	0

2242	Hormesis does not make sense except in the light of TOR-driven aging. 2011 , 3, 1051-62	63
2241	Metformin: multi-faceted protection against cancer. 2011 , 2, 896-917	238
2240	Elevated PI3K signaling drives multiple breast cancer subtypes. 2011 , 2, 435-47	44
2239	Lipid Modification of Ras Superfamily GTPases. 2011 , 59-95	6
2238	SCFAs induce mouse neutrophil chemotaxis through the GPR43 receptor. 2011 , 6, e21205	186
2237	Proteomic analysis shows synthetic oleanane triterpenoid binds to mTOR. 2011 , 6, e22862	74
2236	Angiomyolipoma have common mutations in TSC2 but no other common genetic events. 2011 , 6, e24919	48
2235	mTOR signaling and metabolic regulation of T cells: new potential therapeutic targets in autoimmune diseases. 2011 , 17, 3888-97	24
2234	Keeping the balance between proliferation and differentiation: the primary cilium. 2011 , 12, 285-97	44
2233	S6K1 and mTOR regulate Rac1-driven platelet activation and aggregation. 2011 , 118, 3129-36	94
2232	Translation initiation factors and active sites of protein synthesis co-localize at the leading edge of migrating fibroblasts. 2011 , 438, 217-27	31
2231	Overview and mechanism of action of mTOR inhibitors. 2011 , 6-18	
2230	Neutral not a loss: phosphoinositides beyond the head group. 2011 , 8, 219-20	3
2229	Molecular mechanisms of cancer development in obesity. 2011 , 11, 886-95	606
2228	Cell growth: RAC1 sizes up mTOR. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 343	48.7 4
2227	Cell signalling: mTOR targets its own inhibitor. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 769	48.7 2
2226	The role of skeletal muscle mTOR in the regulation of mechanical load-induced growth. 2011 , 589, 5485-501	197
2225	Hypothalamic inflammation: a double-edged sword to nutritional diseases. 2011 , 1243, E1-39	103

2224	The Ras-ERK and PI3K-mTOR pathways: cross-talk and compensation. 2011 , 36, 320-8	1124
2223	Autophagy in cancer: having your cake and eating it. 2011 , 21, 397-404	34
2222	A novel cardioprotective p38-MAPK/mTOR pathway. 2011 , 317, 2938-49	59
2221	mTOR as a multifunctional therapeutic target in HIV infection. 2011 , 16, 715-21	84
2220	Autophagy regulates ROS-induced cellular senescence via p21 in a p38 MAPK-dependent manner. 2011 , 46, 860-7	77
2219	Dissecting systemic control of metabolism and aging in the NAD World: the importance of SIRT1 and NAMPT-mediated NAD biosynthesis. 2011 , 585, 1657-62	83
2218	Relationship of electrophilic stress to aging. 2011 , 51, 1087-105	90
2217	Macrophage binding to receptor VCAM-1 transmits survival signals in breast cancer cells that invade the lungs. 2011 , 20, 538-49	399
2216	Signaling circuitries controlling stem cell fate: to be or not to be. 2011 , 23, 716-23	51
2215	TOR in the immune system. 2011 , 23, 707-15	104
2214	mTOR signaling in disease. 2011 , 23, 744-55	354
2213	cAMP inhibits mammalian target of rapamycin complex-1 and -2 (mTORC1 and 2) by promoting complex dissociation and inhibiting mTOR kinase activity. 2011 , 23, 1927-35	39
2212	Recent progress toward understanding the molecular mechanisms that regulate skeletal muscle mass. 2011 , 23, 1896-906	124
2211	Upregulation of mTORC2 activation by the selective agonist of EPAC, 8-CPT-2Me-cAMP, in prostate cancer cells: assembly of a multiprotein signaling complex. 2012 , 113, 1488-500	27
2210	Biosynthesis of the immunosuppressants FK506, FK520, and rapamycin involves a previously undescribed family of enzymes acting on chorismate. 2011 , 108, 4776-81	85
2209	Rapamycin passes the torch: a new generation of mTOR inhibitors. 2011 , 10, 868-80	657
2208	Raptor, a positive regulatory subunit of mTOR complex 1, is a novel phosphoprotein of the rDNA transcription machinery in nucleoli and chromosomal nucleolus organizer regions (NORs). 2011 , 10, 3140-52	29
2207	PI3K and STAT3: a new alliance. 2011 , 1, 481-6	89

2206	Rapamycin as an antiaging therapeutic?: targeting mammalian target of rapamycin to treat Hutchinson-Gilford progeria and neurodegenerative diseases. 2011 , 14, 437-41	38
2205	mTOR complex 2 signaling and functions. 2011 , 10, 2305-16	378
2204	Target of rapamycin (TOR) in nutrient signaling and growth control. 2011 , 189, 1177-201	588
2203	The differential diagnosis of familial lentiginosis syndromes. 2011 , 10, 481-90	38
2202	Evolution of the TOR pathway. 2011 , 73, 209-20	90
2201	Aging and cancer: can mTOR inhibitors kill two birds with one drug?. 2011 , 6, 41-51	20
2200	Emerging therapeutic targets for soft tissue sarcoma. 2011 , 13, 350-8	2
2199	The secret life of kinases: functions beyond catalysis. 2011 , 9, 23	122
2198	Targeting adenosine monophosphate-activated protein kinase (AMPK) in preclinical models reveals a potential mechanism for the treatment of neuropathic pain. 2011 , 7, 70	155
2197	The influence of mTOR on T helper cell differentiation and dendritic cell function. 2011 , 41, 2137-41	20
2196	Novel feedback inhibition of surface antigen synthesis by mammalian target of rapamycin (mTOR) signal and its implication for hepatitis B virus tumorigenesis and therapy. 2011 , 54, 1199-207	53
2195	mTORC1- and mTORC2-interacting proteins keep their multifunctional partners focused. 2011 , 63, 896-914	58
2194	High-dose rapamycin induces apoptosis in human cancer cells by dissociating mTOR complex 1 and suppressing phosphorylation of 4E-BP1. 2011 , 10, 3948-56	78
2193	The expanding relevance of nuclear mTOR in carcinogenesis. 2011 , 10, 3849-52	15
2192	The chemical biology of immunophilin ligands. 2011 , 18, 5355-79	43
2191	De-Toring high fat for a healthy heart. 2011 , 9, 299-302	
2190	Minireview: the busy road to pheochromocytomas and paragangliomas has a new member, TMEM127. 2011 , 152, 2133-40	35
2189	mTOR in podocyte function: is rapamycin good for diabetic nephropathy?. 2011 , 10, 3415-6	20

2188	Interplay between pVHL and mTORC1 pathways in clear-cell renal cell carcinoma. 2011 , 9, 1255-65	88
2187	Translational regulation in nutrigenomics. 2011 , 2, 511-9	34
2186	Redox regulates mammalian target of rapamycin complex 1 (mTORC1) activity by modulating the TSC1/TSC2-Rheb GTPase pathway. 2011 , 286, 32651-60	103
2185	Rapamycin and mTORC1 inhibition in the mouse: skin cancer prevention. 2011 , 4, 957-61	26
2184	mTOR inhibition, the second generation: ATP-competitive mTOR inhibitor initiates unexpected receptor tyrosine kinase-driven feedback loop. 2011 , 1, 203-4	7
2183	The ATG1/ATG13 protein kinase complex is both a regulator and a target of autophagic recycling in Arabidopsis. 2011 , 23, 3761-79	197
2182	mTOR links incretin signaling to HIF induction in pancreatic beta cells. 2011 , 108, 16876-82	50
2181	mSIN1 protein mediates SGK1 protein interaction with mTORC2 protein complex and is required for selective activation of the epithelial sodium channel. 2011 , 286, 30647-30654	34
2180	From the urea cycle to autophagy: Alfred J. Meijer. 2011 , 7, 805-13	1
2179	A herpesvirus kinase that masquerades as Akt: you don't have to look like Akt, to act like it. 2011 , 10, 2064-8	16
2178	Understanding PLZF: two transcriptional targets, REDD1 and smooth muscle α -actin, define new questions in growth control, senescence, self-renewal and tumor suppression. 2011 , 10, 771-5	19
2177	Nutrient amino acids signal to mTOR via inositol polyphosphate multikinase. 2011 , 10, 1708-10	8
2176	Modularity and hormone sensitivity of the Drosophila melanogaster insulin receptor/target of rapamycin interaction proteome. 2011 , 7, 547	53
2175	The Ribosomal Protein-Mdm2-p53 Pathway and Energy Metabolism: Bridging the Gap between Feast and Famine. 2011 , 2, 392-403	48
2174	From growing to secreting: new roles for mTOR in aging cells. 2011 , 10, 2450-3	37
2173	p73 as a pharmaceutical target for cancer therapy. 2011 , 17, 578-90	27
2172	The integral role of mTOR in lipid metabolism. 2011 , 10, 861-2	53
2171	AMPK protects proximal tubular cells from stress-induced apoptosis by an ATP-independent mechanism: potential role of Akt activation. 2011 , 301, F1177-92	33

2170	Cigarette smoke induces Akt protein degradation by the ubiquitin-proteasome system. 2011 , 286, 31932-43	51
2169	Review series: TOR kinase complexes and cell migration. 2011 , 194, 815-24	68
2168	Raptor and Rheb negatively regulate skeletal myogenesis through suppression of insulin receptor substrate 1 (IRS1). 2011 , 286, 35675-35682	28
2167	Heightened uterine mammalian target of rapamycin complex 1 (mTORC1) signaling provokes preterm birth in mice. 2011 , 108, 18073-8	92
2166	Cell biology. Growth signaling from inside. 2011 , 334, 611-2	1
2165	Control of mTORC1 signaling by the Opitz syndrome protein MID1. 2011 , 108, 8680-5	69
2164	The tumor suppressor Tsc1 enforces quiescence of naive T cells to promote immune homeostasis and function. 2011 , 12, 888-97	209
2163	The tumor suppressor kinase LKB1: lessons from mouse models. 2011 , 3, 330-40	46
2162	The metabolic footprint of aging in mice. 2011 , 1, 134	330
2161	The mTOR-regulated phosphoproteome reveals a mechanism of mTORC1-mediated inhibition of growth factor signaling. 2011 , 332, 1317-22	835
2160	Fungal virulence and development is regulated by alternative pre-mRNA 3' end processing in <i>Magnaporthe oryzae</i> . 2011 , 7, e1002441	35
2159	Targeting the Mammalian Target of Rapamycin (mTOR) in Cancer Therapy: Lessons from Past and Future Perspectives. 2011 , 3, 2478-500	39
2158	The Phosphatidylinositol 3-Kinase/mTor Pathway as a Therapeutic Target for Brain Aging and Neurodegeneration. 2011 , 4, 1070-1087	18
2157	Serum starvation: caveat emptor. 2011 , 301, C272-9	157
2156	TFEBulous control of traffic by mTOR. 2011 , 30, 3215-6	
2155	Computational modeling and analysis of insulin induced eukaryotic translation initiation. 2011 , 7, e1002263	16
2154	Protective coupling of mitochondrial function and protein synthesis via the eIF2 β kinase GCN-2. 2012 , 8, e1002760	209
2153	DEPTOR ubiquitination and destruction by SCF(β TrCP). 2012 , 303, E163-9	13

2152	Mammalian target of rapamycin and the kidney. II. Pathophysiology and therapeutic implications. 2012 , 303, F180-91	42
2151	Role of PRAS40 in Akt and mTOR signaling in health and disease. 2012 , 302, E1453-60	114
2150	Mammalian target of rapamycin and the kidney. I. The signaling pathway. 2012 , 303, F1-10	50
2149	Regulation of HIF-1 alpha Expression By PI3K/Akt Pathway Inhibitors in Breast Cancer Cell Lines. 2012 , 37, 264-271	
2148	The battle over mTOR: an emerging theatre in host-pathogen immunity. 2012 , 8, e1002894	35
2147	SMG-1 and mTORC1 act antagonistically to regulate response to injury and growth in planarians. 2012 , 8, e1002619	64
2146	Hyperplexing: a method for higher-order multiplexed quantitative proteomics provides a map of the dynamic response to rapamycin in yeast. 2012 , 5, rs2	116
2145	Inhibition of MTOR disrupts autophagic flux in podocytes. 2012 , 23, 412-20	128
2144	Computational modeling of the metabolic States regulated by the kinase akt. 2012 , 3, 418	17
2143	The interplay between autophagy and ROS in tumorigenesis. 2012 , 2, 171	131
2142	Emerging role of autophagy in kidney function, diseases and aging. 2012 , 8, 1009-31	195
2141	Eukaryotic initiation factor 2 phosphorylation and translational control in metabolism. 2012 , 3, 307-21	302
2140	LST8 regulates cell growth via target-of-rapamycin complex 2 (TORC2). 2012 , 32, 2203-13	24
2139	Reciprocal phosphorylation of yeast glycerol-3-phosphate dehydrogenases in adaptation to distinct types of stress. 2012 , 32, 4705-17	78
2138	Mapping pathogenesis of arthritis through small animal models. 2012 , 51, 1931-41	85
2137	Role of neurofilament light polypeptide in head and neck cancer chemoresistance. 2012 , 10, 305-15	20
2136	Expanding targets for a metabolic therapy of cancer: L-asparaginase. 2012 , 7, 4-13	69
2135	Mechanistic target of rapamycin inhibitors in solid organ transplantation: from benchside to clinical use. 2012 , 17, 626-33	23

2134	New promising molecular targets in head and neck squamous cell carcinoma. 2012 , 24, 235-42	30
2133	Connecting mTORC1 signaling to SREBP-1 activation. 2012 , 23, 226-234	163
2132	TORC2 signaling is antagonized by protein phosphatase 2A and the Far complex in <i>Saccharomyces cerevisiae</i> . 2012 , 190, 1325-39	32
2131	'Forever young?' Exploring the link between rapamycin, longevity and cancer. 2012 , 11, 4296-7	5
2130	Predominance of mTORC1 over mTORC2 in the regulation of proliferation of ovarian cancer cells: therapeutic implications. 2012 , 11, 1342-52	38
2129	Aging biology and novel targets for drug discovery. 2012 , 67, 168-74	40
2128	Autophagy and cell growth--the yin and yang of nutrient responses. 2012 , 125, 2359-68	69
2127	Imp2 controls oxidative phosphorylation and is crucial for preserving glioblastoma cancer stem cells. 2012 , 26, 1926-44	275
2126	Incidence and management of mTOR inhibitor-associated pneumonitis in patients with metastatic renal cell carcinoma. 2012 , 23, 1943-1953	85
2125	Chikungunya virus-induced autophagy delays caspase-dependent cell death. 2012 , 209, 1029-47	157
2124	Therapeutic Kinase Inhibitors. 2012 ,	1
2123	Chemopreventive sphingadienes downregulate Wnt signaling via a PP2A/Akt/GSK3 β pathway in colon cancer. 2012 , 33, 1726-35	54
2122	Attenuation of TORC1 signaling delays replicative and oncogenic RAS-induced senescence. 2012 , 11, 2391-401	93
2121	rpS6 Regulates blood-testis barrier dynamics by affecting F-actin organization and protein recruitment. 2012 , 153, 5036-48	63
2120	Found in translation of mTOR signaling. 2012 , 22, 1315-8	10
2119	Cancer cell metabolism: there is no ROS for the weary. 2012 , 2, 304-7	20
2118	Metformin prevents the development of oral squamous cell carcinomas from carcinogen-induced premalignant lesions. 2012 , 5, 562-73	98
2117	A new clue to explain resistance to mTOR inhibitors. 2012 , 11, 844	3

2116	Developmental regulation of the activation of translation initiation factors of skeletal muscle in response to feeding in horses. 2012 , 73, 1241-51	11
2115	Rapamycin slows aging in mice. 2012 , 11, 845	35
2114	Generation of a genetically encoded marker of rod photoreceptor outer segment growth and renewal. 2012 , 1, 30-6	9
2113	Rapalogs in cancer prevention: anti-aging or anticancer?. 2012 , 13, 1349-54	66
2112	Inhibiting mitochondrial-dependent proteolysis of Mcl-1 promotes resistance to DNA damage. 2012 , 11, 88-98	3
2111	Two new kinases in the TOR signaling network regulate ribosome and tRNA synthesis. 2012 , 11, 2769-70	3
2110	Downregulation of Cdc6 and pre-replication complexes in response to methionine stress in breast cancer cells. 2012 , 11, 4414-23	19
2109	Regulation of the mTOR-Rac1 axis in platelet function. 2012 , 3, 67-70	12
2108	Iron chelators for the treatment of cancer. 2012 , 19, 2689-702	129
2107	Treatment option(s) for pulmonary lymphangiomyomatosis: progress and current challenges. 2012 , 46, 563-5	10
2106	HER2+ breast cancer therapy: by CPP-ZFN mediated targeting of mTOR?. 2012 , 11, 175-80	10
2105	Dissecting mammalian target of rapamycin to promote longevity. 2012 , 15, 334-7	19
2104	mTOR-dependent cell survival mechanisms. 2012 , 4,	109
2103	Regulation of mRNA translation by signaling pathways. 2012 , 4,	116
2102	HSP90 and the R2TP co-chaperone complex: building multi-protein machineries essential for cell growth and gene expression. 2012 , 9, 148-54	47
2101	p53 is a major component of the transcriptional and apoptotic program regulated by PI 3-kinase/Akt/GSK3 signaling. 2012 , 3, e400	36
2100	Therapeutic metformin/AMPK activation blocked lymphoma cell growth via inhibition of mTOR pathway and induction of autophagy. 2012 , 3, e275	225
2099	Merlin: a tumour suppressor with functions at the cell cortex and in the nucleus. 2012 , 13, 204-15	94

2098	The EIF4EBP3 translational repressor is a marker of CDC73 tumor suppressor haploinsufficiency in a parathyroid cancer syndrome. 2012 , 3, 266	6
2097	mTOR as a potential treatment target for epilepsy. 2012 , 7, 537-545	37
2096	Regulatory effects of mTORC2 complexes in type I IFN signaling and in the generation of IFN responses. 2012 , 109, 7723-8	41
2095	PTEN regulation of local and long-range connections in mouse auditory cortex. 2012 , 32, 1643-52	42
2094	Hydrogen sulfide inhibits high glucose-induced matrix protein synthesis by activating AMP-activated protein kinase in renal epithelial cells. 2012 , 287, 4451-61	86
2093	Ubiquitin-specific peptidase 9, X-linked (USP9X) modulates activity of mammalian target of rapamycin (mTOR). 2012 , 287, 21164-75	38
2092	Target-of-rapamycin complex 1 (Torc1) signaling modulates cilia size and function through protein synthesis regulation. 2012 , 109, 2021-6	69
2091	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. 2012 , 287, 3808-22	33
2090	Threonine-120 phosphorylation regulated by phosphoinositide-3-kinase/Akt and mammalian target of rapamycin pathway signaling limits the antitumor activity of mammalian sterile 20-like kinase 1. 2012 , 287, 23698-709	43
2089	mTOR Signaling. 2012 , 4,	187
2088	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> . 2012 , 287, 6089-99	19
2087	Loss of daylight vision in retinal degeneration: are oxidative stress and metabolic dysregulation to blame?. 2012 , 287, 1642-8	118
2086	Hypergrowth mTORC1 signals translationally activate the ARF tumor suppressor checkpoint. 2012 , 32, 348-64	18
2085	Molecular characterization and functional analysis of Cashmere goat mammalian target of rapamycin. 2012 , 31, 839-44	2
2084	Regulation of TOR by small GTPases. 2012 , 13, 121-8	76
2083	TGFβ-stimulated microRNA-21 utilizes PTEN to orchestrate AKT/mTORC1 signaling for mesangial cell hypertrophy and matrix expansion. 2012 , 7, e42316	88
2082	Phospho-specific flow: fixating on the target. 2012 , 18, 1493-5	1
2081	PI3Ks-drug targets in inflammation and cancer. 2012 , 58, 111-81	7

2080	The PTPN11 loss-of-function mutation Q510E-Shp2 causes hypertrophic cardiomyopathy by dysregulating mTOR signaling. 2012 , 302, H231-43	52
2079	Murine regulatory T cells contain hyperproliferative and death-prone subsets with differential ICOS expression. 2012 , 188, 1698-707	48
2078	Molecular and Translational Vascular Medicine. 2012 ,	
2077	Temporal molecular and biological assessment of an erlotinib-resistant lung adenocarcinoma model reveals markers of tumor progression and treatment response. 2012 , 72, 5921-33	29
2076	The combined deletion of S6K1 and Akt2 deteriorates glycemic control in a high-fat diet. 2012 , 32, 4001-11	17
2075	Graded loss of tuberin in an allelic series of brain models of TSC correlates with survival, and biochemical, histological and behavioral features. 2012 , 21, 4286-300	37
2074	Guidance for life, cell death, and colorectal neoplasia by netrin dependence receptors. 2012 , 114, 87-186	3
2073	Signaling mechanisms in the regulation of renal matrix metabolism in diabetes. 2012 , 2012, 749812	33
2072	Hepatocytes polyploidization and cell cycle control in liver physiopathology. 2012 , 2012, 282430	57
2071	Oncogenic activation in prostate cancer progression and metastasis: Molecular insights and future challenges. 2012 , 11, 4	35
2070	Loss of CDKL5 disrupts kinome profile and event-related potentials leading to autistic-like phenotypes in mice. 2012 , 109, 21516-21	112
2069	Adenomatous polyposis coli (APC) regulates multiple signaling pathways by enhancing glycogen synthase kinase-3 (GSK-3) activity. 2012 , 287, 3823-32	63
2068	Osmotic stress regulates mammalian target of rapamycin (mTOR) complex 1 via c-Jun N-terminal Kinase (JNK)-mediated Raptor protein phosphorylation. 2012 , 287, 18398-407	28
2067	Prevention of alveolar destruction and airspace enlargement in a mouse model of pulmonary lymphangioliomyomatosis (LAM). 2012 , 4, 154ra134	42
2066	The bacterial and cellular determinants controlling the recruitment of mTOR to the Salmonella-containing vacuole. 2012 , 1, 1215-25	48
2065	Systemic therapy for advanced carcinoid tumors: where do we go from here?. 2012 , 10, 785-93	16
2064	Homeostasis and the importance for a balance between AKT/mTOR activity and intracellular signaling. 2012 , 19, 3748-62	83
2063	Nuclear Chromatin Factors Defining Mitochondrial Bioenergetics. 2012 , 225-243	

2062	A systems pharmacokinetic and pharmacodynamic approach to identify opportunities and pitfalls in energy stress-mediated chemoprevention: the use of metformin and other biguanides. 2012 , 13, 1876-84	3
2061	Mitochondria and organismal longevity. 2012 , 13, 519-32	60
2060	SREBPs: regulators of cholesterol/lipids as therapeutic targets in metabolic disorders, cancers and viral diseases. 2012 , 7, 27-36	15
2059	Autophagy, myocardial protection, and the metabolic syndrome. 2012 , 60, 125-32	39
2058	PAS kinase promotes cell survival and growth through activation of Rho1. 2012 , 5, ra9	10
2057	Perspectives of Targeting mTORC1-S6K1 in Cardiovascular Aging. 2012 , 3, 5	24
2056	The immune diet: meeting the metabolic demands of lymphocyte activation. 2012 , 4, 9	25
2055	Sestrins Link Tumor Suppressors with the AMPK-TOR Signaling Network. 2012 ,	1
2054	Coupling nutrient sensing to metabolic homeostasis: the role of the mammalian target of rapamycin complex 1 pathway. 2012 , 71, 502-10	30
2053	Metabolic sensors and their interplay with cell signalling and transcription. 2012 , 40, 311-23	15
2052	Prevention of Obesity, Diabetes, and Cancer with Lifestyle Intervention Strategies. 2012 , 113-152	
2051	Glutaminolysis activates Rag-mTORC1 signaling. 2012 , 47, 349-58	445
2050	Ragulator is a GEF for the rag GTPases that signal amino acid levels to mTORC1. 2012 , 150, 1196-208	638
2049	Okadaic acid induces Akt hyperphosphorylation and an oxidative stress-mediated cell death in serum starved SK-N-SH human neuroblastoma cells that are augmented by rapamycin. 2012 , 531, 74-9	11
2048	mTOR complex 2 regulates proper turnover of insulin receptor substrate-1 via the ubiquitin ligase subunit Fbw8. 2012 , 48, 875-87	74
2047	Dissecting the role of mTOR complexes in cellular senescence. 2012 , 11, 2231-2	27
2046	Altered LKB1/AMPK/TSC1/TSC2/mTOR signaling causes disruption of Sertoli cell polarity and spermatogenesis. 2012 , 21, 4394-405	61
2045	Metabolic switching and fuel choice during T-cell differentiation and memory development. 2012 , 249, 27-42	293

2044	Targeting autophagy for the treatment of liver diseases. 2012 , 66, 463-74	57
2043	Re-examination of the dimerization state of leucine-rich repeat kinase 2: predominance of the monomeric form. 2012 , 441, 987-94	36
2042	Prevention of age-related macular degeneration-like retinopathy by rapamycin in rats. 2012 , 181, 472-7	64
2041	Targeting mTOR in mantle cell lymphoma: current and future directions. 2012 , 25, 175-83	15
2040	A lysosome-to-nucleus signalling mechanism senses and regulates the lysosome via mTOR and TFEB. 2012 , 31, 1095-108	1156
2039	PI3K signalling in B- and T-lymphocytes: new developments and therapeutic advances. 2012 , 442, 465-81	168
2038	ER Stress As Modulator of Autophagy Pathways. 2012 , 163-184	
2037	Aging, drugs, and drug metabolism. 2012 , 67, 137-9	16
2036	Regulation of karyopherin β and nuclear import by mammalian target of rapamycin. 2012 , 287, 14325-35	13
2035	Skeletal Muscle Adaptation to Exercise. 2012 , 911-920	3
2034	Halofuginone and other febrifugine derivatives inhibit prolyl-tRNA synthetase. 2012 , 8, 311-7	229
2033	Identification of the degradation determinants of insulin receptor substrate 1 for signaling cullin-RING E3 ubiquitin ligase 7-mediated ubiquitination. 2012 , 287, 40758-66	16
2032	Autophagy, signaling and obesity. 2012 , 66, 513-25	58
2031	Inhibition of mammalian target of rapamycin signaling by CCI-779 (temsirolimus) induces growth inhibition and cell cycle arrest in Cashmere goat fetal fibroblasts (<i>Capra hircus</i>). 2012 , 31, 1095-9	6
2030	Amino acids and mTORC1: from lysosomes to disease. 2012 , 18, 524-33	326
2029	Attacking a nexus of the oncogenic circuitry by reversing aberrant eIF4F-mediated translation. 2012 , 11, 1051-61	22
2028	Role of autophagy inhibitors and inducers in modulating the toxicity of trimethyltin in neuronal cell cultures. 2012 , 119, 1295-305	20
2027	mTORC1 is a target of nordihydroguaiaretic acid to prevent breast tumor growth in vitro and in vivo. 2012 , 136, 379-88	19

2026	Ablation of PGC1 beta prevents mTOR dependent endoplasmic reticulum stress response. 2012 , 237, 396-406	19
2025	Rapamycin induces heme oxygenase-1 in liver but inhibits bile flow recovery after ischemia. 2012 , 176, 468-75	7
2024	Placental adaptations to the maternal-fetal environment: implications for fetal growth and developmental programming. 2012 , 25, 68-89	127
2023	Future directions and treatment strategies for head and neck squamous cell carcinomas. 2012 , 160, 167-77	25
2022	Akt inactivation induces endoplasmic reticulum stress-independent autophagy in fibroblasts from patients with Pompe disease. 2012 , 107, 490-5	16
2021	Role and potential mechanisms of anabolic resistance in sarcopenia. 2012 , 3, 157-62	94
2020	Nutrition strategies to improve physical capabilities in Duchenne muscular dystrophy. 2012 , 23, 187-99, xii-xiii	13
2019	The emerging role of mTORC1 signaling in placental nutrient-sensing. 2012 , 33 Suppl 2, e23-9	116
2018	Rapamycin inhibits lymphatic endothelial cell tube formation by downregulating vascular endothelial growth factor receptor 3 protein expression. 2012 , 14, 228-37	52
2017	Targeting the mTOR-DEPTOR pathway by CRL E3 ubiquitin ligases: therapeutic application. 2012 , 14, 360-7	46
2016	An evolving role for DEPTOR in tumor development and progression. 2012 , 14, 368-75	47
2015	Combined effect of AAV-U7-induced dystrophin exon skipping and soluble activin Type IIB receptor in mdx mice. 2012 , 23, 1269-79	25
2014	Autophagy activation by rapamycin reduces severity of experimental osteoarthritis. 2012 , 71, 575-81	291
2013	Identification of a small molecule yeast TORC1 inhibitor with a multiplex screen based on flow cytometry. 2012 , 7, 715-22	19
2012	Exploiting the anti-inflammatory effects of AMP-activated protein kinase activation. 2012 , 21, 1155-67	103
2011	Mammalian target of rapamycin regulates neutrophil extracellular trap formation via induction of hypoxia-inducible factor 1 β . 2012 , 120, 3118-25	164
2010	Protein lysine acylation and cysteine succination by intermediates of energy metabolism. 2012 , 7, 947-60	162
2009	The impact of tumor microenvironment on cancer treatment and its modulation by direct and indirect antivascular strategies. 2012 , 31, 823-42	56

2008	Rho1 keeps an eye on TORC1. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 280	48.7	1
2007	Re-fraction: a machine learning approach for deterministic identification of protein homologues and splice variants in large-scale MS-based proteomics. 2012 , 11, 3035-45		6
2006	Discovery of a novel series of potent and orally bioavailable phosphoinositide 3-kinase Π inhibitors. 2012 , 55, 5467-82		38
2005	A kinase inhibitor screen identifies small-molecule enhancers of reprogramming and iPS cell generation. 2012 , 3, 1085		76
2004	Alterations of metabolic genes and metabolites in cancer. 2012 , 23, 370-80		84
2003	New aspects of the Warburg effect in cancer cell biology. 2012 , 23, 352-61		228
2002	Towards a glutamate hypothesis of depression: an emerging frontier of neuropsychopharmacology for mood disorders. 2012 , 62, 63-77		669
2001	Neuroglialpharmacology: myelination as a shared mechanism of action of psychotropic treatments. 2012 , 62, 2137-53		100
2000	Tumor suppressor TSC1 is critical for T-cell energy. 2012 , 109, 14152-7		46
1999	Contractile activity-induced mitochondrial biogenesis and mTORC1. 2012 , 303, C540-7		28
1998	AMP-activated protein kinase: new regulation, new roles?. 2012 , 445, 11-27		299
1997	Cardiac mTOR protects the heart against ischemia-reperfusion injury. 2012 , 303, H75-85		107
1996	Deconvoluting mTOR biology. 2012 , 11, 236-48		70
1995	mTOR as a molecular target in HPV-associated oral and cervical squamous carcinomas. 2012 , 18, 2558-68		136
1994	Maintenance of metabolic homeostasis by Sestrin2 and Sestrin3. 2012 , 16, 311-21		200
1993	Metabolic stress in autophagy and cell death pathways. 2012 , 4, a008763		126
1992	Nutrient-dependent requirement for SOD1 in lifespan extension by protein restriction in <i>Drosophila melanogaster</i> . 2012 , 11, 783-93		41
1991	MTORC1 functions as a transcriptional regulator of autophagy by preventing nuclear transport of TFEB. 2012 , 8, 903-14		696

1990	Cancer cell metabolism: one hallmark, many faces. 2012 , 2, 881-98	609
1989	Synthetic oleanane triterpenoids: multifunctional drugs with a broad range of applications for prevention and treatment of chronic disease. 2012 , 64, 972-1003	288
1988	Optimal homeostasis necessitates bistable control. 2012 , 9, 2723-34	9
1987	mTOR. 2012 ,	4
1986	PI3K/AKT/mTORC1 and MEK/ERK signaling in T-cell acute lymphoblastic leukemia: new options for targeted therapy. 2012 , 52, 214-27	18
1985	Gadd45 proteins: relevance to aging, longevity and age-related pathologies. 2012 , 11, 51-66	99
1984	Inactivation of Spry2 accelerates AKT-driven hepatocarcinogenesis via activation of MAPK and PKM2 pathways. 2012 , 57, 577-83	39
1983	The Sam68 STAR RNA-binding protein regulates mTOR alternative splicing during adipogenesis. 2012 , 46, 187-99	72
1982	The late endosome/lysosome-anchored p18-mTORC1 pathway controls terminal maturation of lysosomes. 2012 , 417, 1151-7	35
1981	Identification of blood biomarkers of aging by transcript profiling of whole blood. 2012 , 418, 313-8	25
1980	Constitutive activation of the mTOR signaling pathway within the normal glomerulus. 2012 , 425, 244-9	6
1979	Discovery and optimization of potent and selective imidazopyridine and imidazopyridazine mTOR inhibitors. 2012 , 22, 4967-74	27
1978	mTOR inhibitors in cancer therapy. 2012 , 319, 1-7	213
1977	K-Ras mutation-mediated IGF-1-induced feedback ERK activation contributes to the rapalog resistance in pancreatic ductal adenocarcinomas. 2012 , 322, 58-69	20
1976	Systemic elevation of PTEN induces a tumor-suppressive metabolic state. 2012 , 149, 49-62	278
1975	Cellular metabolism and disease: what do metabolic outliers teach us?. 2012 , 148, 1132-44	509
1974	TOR signaling and rapamycin influence longevity by regulating SKN-1/Nrf and DAF-16/FoxO. 2012 , 15, 713-24	407
1973	p70S6 kinase phosphorylates AMPK on serine 491 to mediate leptin's effect on food intake. 2012 , 16, 104-12	182

1972	Targeting the liver kinase B1/AMP-activated protein kinase pathway as a therapeutic strategy for hematological malignancies. 2012 , 16, 729-42	34
1971	Rapamycin and glucose-target of rapamycin (TOR) protein signaling in plants. 2012 , 287, 2836-42	181
1970	The role of AMPK/mTOR/S6K1 signaling axis in mediating the physiological process of exercise-induced insulin sensitization in skeletal muscle of C57BL/6 mice. 2012 , 1822, 1716-26	34
1969	elF4E/4E-BP ratio predicts the efficacy of mTOR targeted therapies. 2012 , 72, 6468-76	115
1968	The chemical biology of phosphoinositide 3-kinases. 2012 , 13, 2022-35	30
1967	Characterization of a unique technique for culturing primary adult human epithelial progenitor/"stem cells". 2012 , 12, 8	15
1966	The impact of cow's milk-mediated mTORC1-signaling in the initiation and progression of prostate cancer. 2012 , 9, 74	35
1965	Rapamycin and mTOR: a serendipitous discovery and implications for breast cancer. 2012 , 1, 29	88
1964	The G protein-coupled taste receptor T1R1/T1R3 regulates mTORC1 and autophagy. 2012 , 47, 851-62	129
1963	Mitochondria and cell signalling. 2012 , 125, 807-15	264
1962	Rapamycin has paradoxical effects on S6 phosphorylation in rats with and without seizures. 2012 , 53, 2026-33	19
1961	ATM and the molecular pathogenesis of ataxia telangiectasia. 2012 , 7, 303-21	168
1960	Specialized ribosomes: a new frontier in gene regulation and organismal biology. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 355-69	48.7 457
1959	Rapamycin has age-, treatment paradigm-, and model-specific anticonvulsant effects and modulates neuropeptide Y expression in rats. 2012 , 53, 2015-25	24
1958	Inositol polyphosphate multikinase signaling in the regulation of metabolism. 2012 , 1271, 68-74	39
1957	Regulation and function of ribosomal protein S6 kinase (S6K) within mTOR signalling networks. 2012 , 441, 1-21	660
1956	Mammalian target of rapamycin signaling is a key regulator of the transit-amplifying progenitor pool in the adult and aging forebrain. 2012 , 32, 15012-26	88
1955	Retrograde changes in presynaptic function driven by dendritic mTORC1. 2012 , 32, 17128-42	50

1954	Nutrient sensing, autophagy, and diabetic nephropathy. 2012 , 61, 23-9	125
1953	Immune Blot Analysis on Expression of the Mammalian Target of Rapamycin in Goat Fetal Fibroblasts with Recombinant Polyclonal Antibody. 2012 , 11, 1002-1008	
1952	RETRACTED: Obesity-induced increase in tumor necrosis factor- α leads to development of colon cancer in mice. 2012 , 143, 741-753.e4	65
1951	Targeting the intragraft microenvironment and the development of chronic allograft rejection. 2012 , 73, 1261-8	14
1950	The emerging multiple roles of nuclear Akt. 2012 , 1823, 2168-78	134
1949	Dietary flavonoid fisetin: a novel dual inhibitor of PI3K/Akt and mTOR for prostate cancer management. 2012 , 84, 1277-81	126
1948	Lost in translation: regulation of skeletal muscle protein synthesis. 2012 , 12, 377-82	30
1947	T cell trafficking and metabolism: novel mechanisms and targets for immunomodulation. 2012 , 12, 452-7	8
1946	Drosophila TRPML is required for TORC1 activation. 2012 , 22, 1616-21	83
1945	Axon regrowth during development and regeneration following injury share molecular mechanisms. 2012 , 22, 1774-82	45
1944	Longevity and aging, genetic and post-genetic mechanisms. Which target to choose for postponing and treating age-related diseases. 2012 , 3, 61-66	5
1943	mTOR inhibition prevents epithelial stem cell senescence and protects from radiation-induced mucositis. 2012 , 11, 401-14	211
1942	Target of rapamycin (TOR)-based therapy for cardiomyopathy: evidence from zebrafish and human studies. 2012 , 22, 39-43	9
1941	Lessons from <i>C. elegans</i> : signaling pathways for longevity. 2012 , 23, 637-44	194
1940	Shedding new light on neurodegenerative diseases through the mammalian target of rapamycin. 2012 , 99, 128-48	92
1939	PAS kinase: integrating nutrient sensing with nutrient partitioning. 2012 , 23, 626-30	13
1938	AMPK and mTOR in cellular energy homeostasis and drug targets. 2012 , 52, 381-400	536
1937	Modulating macroautophagy: a neuronal perspective. 2012 , 4, 1715-31	26

1936	Arrest of myelination and reduced axon growth when Schwann cells lack mTOR. 2012 , 32, 1817-25	110
1935	T cell metabolism and the immune response. 2012 , 24, 399-404	26
1934	Sensing the immune microenvironment to coordinate T cell metabolism, differentiation & function. 2012 , 24, 414-20	15
1933	mTOR and metabolic pathways in T cell quiescence and functional activation. 2012 , 24, 421-8	70
1932	Targeting pancreatic cancer stem cells for cancer therapy. 2012 , 1826, 385-99	14
1931	Skeletal Muscle Metabolism. 2012 , 841-853	
1930	Chondrogenic differentiation of amniotic fluid stem cells and their potential for regenerative therapy. 2012 , 8, 1267-74	17
1929	DAB2IP regulates autophagy in prostate cancer in response to combined treatment of radiation and a DNA-PKcs inhibitor. 2012 , 14, 1203-12	46
1928	C. elegans AMPKs promote survival and arrest germline development during nutrient stress. 2012 , 1, 929-36	69
1927	Natural product-derived antitumor compound phenethyl isothiocyanate inhibits mTORC1 activity via TSC2. 2012 , 75, 1051-7	18
1926	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. 2012 , 43, 2561-7	24
1925	Autophagy-regulating small molecules and their therapeutic applications. 2012 , 41, 3245-63	82
1924	Actions and interactions of AMPK with insulin, the peroxisomal-proliferator activated receptors and sirtuins. 2012 , 7, 191-208	2
1923	The Centrosome. 2012 ,	9
1922	Temsirolimus activates autophagy and ameliorates cardiomyopathy caused by lamin A/C gene mutation. 2012 , 4, 144ra102	139
1921	Rapamycin reverses elevated mTORC1 signaling in lamin A/C-deficient mice, rescues cardiac and skeletal muscle function, and extends survival. 2012 , 4, 144ra103	249
1920	Mammalian target of rapamycin: a signaling kinase for every aspect of cellular life. 2012 , 821, 1-14	91
1919	Phosphoinositides I: Enzymes of Synthesis and Degradation. 2012 ,	6

1918	Regulatory T cells, mTOR kinase, and metabolic activity. 2012 , 69, 3975-87	10
1917	Multispecies-compatible antitumor effects of a cross-species small-interfering RNA against mammalian target of rapamycin. 2012 , 69, 3147-58	6
1916	Comprehensive microRNA profiling in B-cells of human centenarians by massively parallel sequencing. 2012 , 13, 353	59
1915	HIV-1 promotes renal tubular epithelial cell protein synthesis: role of mTOR pathway. 2012 , 7, e30071	10
1914	Gene profile of myeloid-derived suppressive cells from the bone marrow of lysosomal acid lipase knock-out mice. 2012 , 7, e30701	16
1913	TBC1D3, a hominoid-specific gene, delays IRS-1 degradation and promotes insulin signaling by modulating p70 S6 kinase activity. 2012 , 7, e31225	26
1912	Therapeutic trial of metformin and bortezomib in a mouse model of tuberous sclerosis complex (TSC). 2012 , 7, e31900	20
1911	The interaction between early life epilepsy and autistic-like behavioral consequences: a role for the mammalian target of rapamycin (mTOR) pathway. 2012 , 7, e35885	137
1910	microRNA-21 governs TORC1 activation in renal cancer cell proliferation and invasion. 2012 , 7, e37366	60
1909	The transcription factor c-Jun protects against liver damage following activated β Catenin signaling. 2012 , 7, e40638	12
1908	The hepatitis C virus modulates insulin signaling pathway in vitro promoting insulin resistance. 2012 , 7, e47904	17
1907	Receptor-recognized μ macroglobulin binds to cell surface-associated GRP78 and activates mTORC1 and mTORC2 signaling in prostate cancer cells. 2012 , 7, e51735	31
1906	Cancer Therapy Targeting the HER2-PI3K Pathway: Potential Impact on the Heart. 2012 , 3, 113	17
1905	Overexpression of eIF3a in Squamous Cell Carcinoma of the Oral Cavity and Its Putative Relation to Chemotherapy Response. 2012 , 2012, 901956	22
1904	[Cellular senescence and the myth of Janus]. 2012 , 28, 288-96	2
1903	Modulation of autophagy-like processes by tumor viruses. 2012 , 1, 204-47	14
1902	Autophagosomal protein dynamics and influenza virus infection. 2012 , 3, 43	27
1901	Molecular hallmarks of adult T cell leukemia. 2012 , 3, 334	45

1900	PI3K/AKT/mTOR inhibitors for the systemic treatment of endometrial cancer. 2012 , 7, 421-430		1
1899	mTOR Inhibition and the Tumor Vasculature. 2012 , 1, 11-19		3
1898	Role of apoptosis-inducing factor, proline dehydrogenase, and NADPH oxidase in apoptosis and oxidative stress. 2012 , 2012, 11-27		32
1897	Role of phosphatidylinositol-3-kinase pathway in head and neck squamous cell carcinoma. 2012 , 2012, 450179		28
1896	Molecular biomarkers of glioblastoma: current targets and clinical implications. 2012 , 63		4
1895	Immunohistochemical analysis of the mTOR pathway in intrahepatic cholangiocarcinoma. 2012 , 59, 137-41		19
1894	Excessive Leucine-mTORC1-Signalling of Cow Milk-Based Infant Formula: The Missing Link to Understand Early Childhood Obesity. 2012 , 2012, 197653		75
1893	Recent research developments in regeneration of skeletal muscle. 2012 , 1, 401-411		
1892	The functions and regulation of the PTEN tumour suppressor. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 283-96	48.7	1394
1891	Axis of ageing: telomeres, p53 and mitochondria. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 397-404	48.7	242
1890	Deconvolution of mTORC2 "in Silico". 2012 , 5, pe12		4
1889	TOR signaling regulates planarian stem cells and controls localized and organismal growth. 2012 , 125, 1657-65		36
1888	GSK3-TIP60-ULK1 signaling pathway links growth factor deprivation to autophagy. 2012 , 336, 477-81		256
1887	Distinct perturbation of the translatoome by the antidiabetic drug metformin. 2012 , 109, 8977-82		149
1886	Links between metabolism and cancer. 2012 , 26, 877-90		707
1885	A unifying model for mTORC1-mediated regulation of mRNA translation. 2012 , 485, 109-13		962
1884	Regulation and function of mTOR signalling in T cell fate decisions. 2012 , 12, 325-38		574
1883	Targeting of mTORC2 prevents cell migration and promotes apoptosis in breast cancer. 2012 , 134, 1057-66		59

1882	Immortalization and malignant transformation of Eukaryotic cells. 2012 , 46, 96-129		13
1881	Role of autophagy in immunity and autoimmunity, with a special focus on systemic lupus erythematosus. 2012 , 26, 1400-12		115
1880	PRR5L degradation promotes mTORC2-mediated PKC- β phosphorylation and cell migration downstream of G β 2. 2012 , 14, 686-96		104
1879	Cap-dependent mRNA translation and the ubiquitin-proteasome system cooperate to promote ERBB2-dependent esophageal cancer phenotype. 2012 , 19, 609-18		11
1878	Regulation of immune responses by mTOR. 2012 , 30, 39-68		551
1877	State of the science: an update on renal cell carcinoma. 2012 , 10, 859-80		121
1876	A dynamic network model of mTOR signaling reveals TSC-independent mTORC2 regulation. 2012 , 5, ra25		95
1875	Phospholipase D and mTORC1: nutrients are what bring them together. 2012 , 5, pe13		25
1874	Multiple site acetylation of Rictor stimulates mammalian target of rapamycin complex 2 (mTORC2)-dependent phosphorylation of Akt protein. 2012 , 287, 581-588		67
1873	mTOR inhibitors synergize on regression, reversal of gene expression, and autophagy in hepatocellular carcinoma. 2012 , 4, 139ra84		76
1872	Sirtuins as regulators of metabolism and healthspan. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 225-238	48.7	1302
1871	A two-way street: reciprocal regulation of metabolism and signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 270-6	48.7	360
1870	Insulin-like growth factors and insulin: at the crossroad between tumor development and longevity. 2012 , 67, 640-51		30
1869	Metabolism: WeightWatching for stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 406	48.7	
1868	The transcription factor TFEB links mTORC1 signaling to transcriptional control of lysosome homeostasis. 2012 , 5, ra42		764
1867	Protein degradation pathways in Parkinson's disease: curse or blessing. 2012 , 124, 153-72		175
1866	TOR links starvation responses to telomere length maintenance. 2012 , 11, 2268-71		10
1865	Deregulated signaling pathways in glioblastoma multiforme: molecular mechanisms and therapeutic targets. 2012 , 30, 48-56		173

1864	Complexity in the signaling network: insights from the use of targeted inhibitors in cancer therapy. 2012 , 26, 641-50	188
1863	The critical role of metabolic pathways in aging. 2012 , 61, 1315-22	489
1862	Ageing: A healthy diet for stem cells. 2012 , 486, 477-8	11
1861	The role of mammalian target of rapamycin (mTOR) in the regulation of pancreatic β cell mass: implications in the development of type-2 diabetes. 2012 , 69, 1289-304	48
1860	Rapamycin toxicity in MIN6 cells and rat and human islets is mediated by the inhibition of mTOR complex 2 (mTORC2). 2012 , 55, 1355-65	59
1859	mTOR inhibitors and its role in the treatment of head and neck squamous cell carcinoma. 2012 , 13, 71-81	33
1858	PI3K and mTOR signaling pathways in cancer: new data on targeted therapies. 2012 , 14, 129-38	147
1857	Immunomodulation at epithelial sites by obesity and metabolic disease. 2012 , 52, 182-99	28
1856	The non-proteinogenic amino acids L-methionine sulfoximine and DL-phosphinothricin activate mTOR. 2012 , 42, 2507-12	8
1855	Possible dual regulatory circuits involving AtS6K1 in the regulation of plant cell cycle and growth. 2012 , 33, 487-96	18
1854	The crosstalk of mTOR/S6K1 and Hedgehog pathways. 2012 , 21, 374-87	270
1853	Autophagy in regulation of Toll-like receptor signaling. 2012 , 24, 1150-62	98
1852	Effects of treadmill exercise and training frequency on anabolic signaling pathways in the skeletal muscle of aged rats. 2012 , 47, 23-8	39
1851	The interplay among dietary fat, sugar, protein and a β i (Euterpe oleracea Mart.) pulp in modulating lifespan and reproduction in a Tephritid fruit fly. 2012 , 47, 536-9	11
1850	Human apolipoprotein L1 (ApoL1) in cancer and chronic kidney disease. 2012 , 586, 947-55	47
1849	Ubiquitination and phosphorylation of Beclin 1 and its binding partners: Tuning class III phosphatidylinositol 3-kinase activity and tumor suppression. 2012 , 586, 1584-91	64
1848	Protein translocation as a tool: The current rapamycin story. 2012 , 586, 2097-105	125
1847	Targeting cancer metabolism--aiming at a tumour's sweet-spot. 2012 , 17, 232-41	130

1846	Molecular mechanisms of metabolic reprogramming in proliferating cells: implications for T-cell-mediated immunity. 2012 , 136, 363-9	54
1845	A modelling-experimental approach reveals insulin receptor substrate (IRS)-dependent regulation of adenosine monophosphate-dependent kinase (AMPK) by insulin. 2012 , 279, 3314-28	36
1844	Lipid metabolism in cancer. 2012 , 279, 2610-23	819
1843	Metformin, an antidiabetic agent reduces growth of cutaneous squamous cell carcinoma by targeting mTOR signaling pathway. 2012 , 88, 1149-56	46
1842	The role of the TRAF-interacting protein in proliferation and differentiation. 2012 , 21, 321-6	27
1841	The cAMP pathway and the control of adrenocortical development and growth. 2012 , 351, 28-36	42
1840	PINK1 enhances insulin-like growth factor-1-dependent Akt signaling and protection against apoptosis. 2012 , 45, 469-78	38
1839	Bidirectional crosstalk between endoplasmic reticulum stress and mTOR signaling. 2012 , 22, 274-82	236
1838	Longevity. The allostatic load of dietary restriction. 2012 , 106, 51-7	9
1837	TORC1 is required to balance cell proliferation and cell death in planarians. 2012 , 365, 458-69	38
1836	Nanosecond pulsed electric fields act as a novel cellular stress that induces translational suppression accompanied by eIF2 α phosphorylation and 4E-BP1 dephosphorylation. 2012 , 318, 1733-44	32
1835	Structures of the pleckstrin homology domain of <i>Saccharomyces cerevisiae</i> Avo1 and its human orthologue Sin1, an essential subunit of TOR complex 2. 2012 , 68, 386-92	22
1834	Antitumor activities of ATP-competitive inhibitors of mTOR in colon cancer cells. 2012 , 12, 86	33
1833	Resveratrol engages AMPK to attenuate ERK and mTOR signaling in sensory neurons and inhibits incision-induced acute and chronic pain. 2012 , 8, 5	127
1832	Erythropoietin mediated bone formation is regulated by mTOR signaling. 2012 , 113, 220-8	77
1831	Erk1/2 MAPK and mTOR signaling sequentially regulates progression through distinct stages of oligodendrocyte differentiation. 2012 , 60, 476-86	122
1830	AKT (v-akt murine thymoma viral oncogene homolog 1) and N-Ras (neuroblastoma ras viral oncogene homolog) coactivation in the mouse liver promotes rapid carcinogenesis by way of mTOR (mammalian target of rapamycin complex 1), FOXM1 (Forkhead box M1)/SKP2, and c-Myc pathways. 2012 , 55, 833-45	144
1829	mTOR as a therapeutic target in patients with gastric cancer. 2012 , 130, 491-6	72

1828	Molecular mechanisms for anti-aging by natural dietary compounds. 2012 , 56, 88-115	46
1827	Proteomic and functional annotation analysis of injured peripheral nerves reveals ApoE as a protein upregulated by injury that is modulated by metformin treatment. 2013 , 9, 14	37
1826	Histone deacetylase inhibitor potentiated the ability of mTOR inhibitor to induce autophagic cell death in Burkitt leukemia/lymphoma. 2013 , 6, 53	50
1825	p53 induces transcriptional and translational programs to suppress cell proliferation and growth. 2013 , 14, R32	80
1824	mTOR and regulation of energy homeostasis in humans. 2013 , 91, 1167-75	19
1823	The mTOR inhibitor rapamycin opposes carcinogenic changes to epidermal Akt1/PKB β isoform signaling. 2013 , 32, 3254-62	21
1822	Upregulation of the antiapoptotic factor Livin contributes to cisplatin resistance in colon cancer cells. 2013 , 34, 683-93	16
1821	Novel roles for complement receptors in T cell regulation and beyond. 2013 , 56, 181-90	54
1820	The use of calorie restriction mimetics to study aging. 2013 , 1048, 95-107	7
1819	The mTOR Pathway and the Role of Energy Balance Throughout Life in Colorectal Cancer Etiology and Prognosis: Unravelling Mechanisms Through a Multidimensional Molecular Epidemiologic Approach. 2013 , 2, 19-26	16
1818	Nutrigenomic foods. 2013 , 12, 3-12	6
1817	Functional diversity and pharmacological profiles of the FKBP β s and their complexes with small natural ligands. 2013 , 70, 3243-75	28
1816	Control of cell growth: Rag GTPases in activation of TORC1. 2013 , 70, 2873-85	9
1815	mTOR signaling in neural stem cells: from basic biology to disease. 2013 , 70, 2887-98	35
1814	Autophagy regulation and its role in cancer. 2013 , 23, 361-79	181
1813	Prostate Cancer. 2013 ,	5
1812	Furthering the design and the discovery of small molecule ATP-competitive mTOR inhibitors as an effective cancer treatment. 2013 , 8, 991-1012	26
1811	Emerging roles of PDGF-D in EMT progression during tumorigenesis. 2013 , 39, 640-6	53

1810	Phosphatidylinositol 3-phosphate, a lipid that regulates membrane dynamics, protein sorting and cell signalling. 2013 , 35, 900-12	86
1809	Epigenetic alterations by DNA methylation in house dust mite-induced airway hyperresponsiveness. 2013 , 49, 279-87	36
1808	Inositol pyrophosphates: between signalling and metabolism. 2013 , 452, 369-79	185
1807	Acute tubular necrosis associated with mTOR inhibitor therapy: a real entity biopsy-proven. 2013 , 24, 2421-5	31
1806	Adaptation and learning of molecular networks as a description of cancer development at the systems-level: potential use in anti-cancer therapies. 2013 , 23, 262-9	18
1805	Cell Senescence. 2013 ,	3
1804	Practical management of everolimus-related toxicities in patients with advanced solid tumors. 2013 , 36, 295-302	25
1803	K63 polyubiquitination and activation of mTOR by the p62-TRAF6 complex in nutrient-activated cells. 2013 , 51, 283-96	177
1802	Breast cancer tissue slices as a model for evaluation of response to rapamycin. 2013 , 352, 671-84	17
1801	Identification of two novel inhibitors of mTOR signaling pathway based on high content screening. 2013 , 72, 799-808	5
1800	Milk is not just food but most likely a genetic transfection system activating mTORC1 signaling for postnatal growth. 2013 , 12, 103	142
1799	S6K1 alternative splicing modulates its oncogenic activity and regulates mTORC1. 2013 , 3, 103-15	69
1798	Hydrogen sulfide restores a normal morphological phenotype in Werner syndrome fibroblasts, attenuates oxidative damage and modulates mTOR pathway. 2013 , 74, 34-44	48
1797	Luminal breast cancer: from biology to treatment. 2013 , 10, 494-506	123
1796	PAS kinase as a nutrient sensor in neuroblastoma and hypothalamic cells required for the normal expression and activity of other cellular nutrient and energy sensors. 2013 , 48, 904-20	15
1795	Regulation of autophagy and ubiquitinated protein accumulation by bFGF promotes functional recovery and neural protection in a rat model of spinal cord injury. 2013 , 48, 452-64	116
1794	Swimming exercise training-induced left ventricular hypertrophy involves microRNAs and synergistic regulation of the PI3K/AKT/mTOR signaling pathway. 2013 , 113, 2473-86	67
1793	Knockdown of PRAS40 inhibits insulin action via proteasome-mediated degradation of IRS1 in primary human skeletal muscle cells. 2013 , 56, 1118-28	17

1792	Cadmium and cellular signaling cascades: interactions between cell death and survival pathways. 2013 , 87, 1743-86	170
1791	Sirt1 extends life span and delays aging in mice through the regulation of Nk2 homeobox 1 in the DMH and LH. 2013 , 18, 416-30	489
1790	The role of mTOR inhibitors in the treatment of hepatocellular carcinoma. 2013 , 33, 1133-4	1
1789	A botanical containing freeze dried aāi pulp promotes healthy aging and reduces oxidative damage in sod1 knockdown flies. 2013 , 35, 1117-32	9
1788	Pharmacophore modeling, homology modeling, and in silico screening reveal mammalian target of rapamycin inhibitory activities for sotalol, glyburide, metipranolol, sulfamethizole, glipizide, and pioglitazone. 2013 , 42, 39-49	35
1787	Cancer Biology: Some Causes for a Variety of Different Diseases. 2013 , 121-159	1
1786	Deciphering the host-pathogen protein interface in chikungunya virus-mediated sickness. 2013 , 158, 1159-72	12
1785	Abundance of amino acid transporters involved in mTORC1 activation in skeletal muscle of neonatal pigs is developmentally regulated. 2013 , 45, 523-30	33
1784	Slc7a5 helps T cells get with the program. 2013 , 14, 422-4	5
1783	PAF-mediated MAPK signaling hyperactivation via LAMTOR3 induces pancreatic tumorigenesis. 2013 , 5, 314-22	35
1782	Increased mammalian lifespan and a segmental and tissue-specific slowing of aging after genetic reduction of mTOR expression. 2013 , 4, 913-20	222
1781	ERK1/2-dependent activation of mTOR/mTORC1/p70S6K regulates thrombin-induced RPE cell proliferation. 2013 , 25, 829-38	37
1780	TBK1 regulates prostate cancer dormancy through mTOR inhibition. 2013 , 15, 1064-74	79
1779	Placental transport in response to altered maternal nutrition. 2013 , 4, 101-15	69
1778	The mTOR pathway negatively controls ATM by up-regulating miRNAs. 2013 , 110, 11869-74	34
1777	Polyamine production is downstream and upstream of oncogenic PI3K signalling and contributes to tumour cell growth. 2013 , 450, 619-28	11
1776	Focal malformations of cortical development: new vistas for molecular pathogenesis. 2013 , 252, 262-76	70
1775	AMPK: An emerging target for modification of injury-induced pain plasticity. 2013 , 557 Pt A, 9-18	60

1774	Metformin inhibition of mTORC1 activation, DNA synthesis and proliferation in pancreatic cancer cells: dependence on glucose concentration and role of AMPK. 2013 , 430, 352-7	81
1773	Global transcriptional and translational repression in human-embryonic-stem-cell-derived Rett syndrome neurons. 2013 , 13, 446-58	217
1772	The folliculin tumor suppressor is a GAP for the RagC/D GTPases that signal amino acid levels to mTORC1. 2013 , 52, 495-505	345
1771	Naked mole-rat has increased translational fidelity compared with the mouse, as well as a unique 28S ribosomal RNA cleavage. 2013 , 110, 17350-5	103
1770	Dynamic recognition of the mRNA cap by <i>Saccharomyces cerevisiae</i> eIF4E. 2013 , 21, 2197-207	27
1769	mTORC1 controls mitochondrial activity and biogenesis through 4E-BP-dependent translational regulation. 2013 , 18, 698-711	482
1768	Crosstalk between mTOR complexes. 2013 , 15, 1263-5	36
1767	Sin1 phosphorylation impairs mTORC2 complex integrity and inhibits downstream Akt signalling to suppress tumorigenesis. 2013 , 15, 1340-50	180
1766	Metabolic regulation by p53 family members. 2013 , 18, 617-33	320
1765	Mammalian target of rapamycin-independent S6K1 and 4E-BP1 phosphorylation during contraction in rat skeletal muscle. 2013 , 25, 1877-86	40
1764	Differential contribution of insulin and amino acids to the mTORC1-autophagy pathway in the liver and muscle. 2013 , 288, 21074-21081	60
1763	Transient activation of autophagy via Sox2-mediated suppression of mTOR is an important early step in reprogramming to pluripotency. 2013 , 13, 617-25	150
1762	What a tangled web we weave: emerging resistance mechanisms to inhibition of the phosphoinositide 3-kinase pathway. 2013 , 3, 1345-54	117
1761	Grk5l controls heart development by limiting mTOR signaling during symmetry breaking. 2013 , 4, 625-32	27
1760	Hedgehog threads to spread. 2013 , 15, 1265-7	7
1759	Programmed cell senescence during mammalian embryonic development. 2013 , 155, 1104-18	789
1758	Mechanistic target of rapamycin complex 2 protects the heart from ischemic damage. 2013 , 128, 2132-44	75
1757	Critical role of the tumor suppressor tuberous sclerosis complex 1 in dendritic cell activation of CD4 T cells by promoting MHC class II expression via IRF4 and CIITA. 2013 , 191, 699-707	42

1756	Prognostic significance of mTOR pathway component expression in neuroendocrine tumors. 2013 , 31, 3418-25	75
1755	Role of p62/SQSTM1 in liver physiology and pathogenesis. 2013 , 238, 525-38	92
1754	Fine mapping of type 1 diabetes regions ldd9.1 and ldd9.2 reveals genetic complexity. 2013 , 24, 358-75	9
1753	Metabolic effects of milk protein intake strongly depend on pre-existing metabolic and exercise status. 2013 , 10, 60	9
1752	Target of rapamycin signaling regulates high mobility group protein association to chromatin, which functions to suppress necrotic cell death. 2013 , 6, 29	12
1751	Association of CAD, a multifunctional protein involved in pyrimidine synthesis, with mLST8, a component of the mTOR complexes. 2013 , 20, 24	12
1750	p66(ShcA): linking mammalian longevity with obesity-induced insulin resistance. 2013 , 91, 219-41	16
1749	PI3K/mTOR inhibition upregulates NOTCH-MYC signalling leading to an impaired cytotoxic response. 2013 , 27, 650-60	53
1748	The regulation of cell size. 2013 , 154, 1194-205	213
1747	GSK-3 inhibition potentiates the synaptogenic and antidepressant-like effects of subthreshold doses of ketamine. 2013 , 38, 2268-77	177
1746	Sestrins orchestrate cellular metabolism to attenuate aging. 2013 , 18, 792-801	229
1745	The molecular biology of renal cell carcinoma. 2013 , 40, 421-8	39
1744	Characterization of Torin2, an ATP-competitive inhibitor of mTOR, ATM, and ATR. 2013 , 73, 2574-86	135
1743	A dinuclear cyclometalated gold(III)phosphine complex targeting thioredoxin reductase inhibits hepatocellular carcinoma in vivo. 2013 , 4, 1979	89
1742	The multifaceted activities of AMPK in tumor progression--why the "one size fits all" definition does not fit at all?. 2013 , 65, 889-96	30
1741	Pan-mammalian target of rapamycin (mTOR) inhibitor AZD8055 primes rhabdomyosarcoma cells for ABT-737-induced apoptosis by down-regulating Mcl-1 protein. 2013 , 288, 35287-96	54
1740	Elovl5 regulates the mTORC2-Akt-FOXO1 pathway by controlling hepatic cis-vaccenic acid synthesis in diet-induced obese mice. 2013 , 54, 71-84	44
1739	Critical role of arachidonic acid-activated mTOR signaling in breast carcinogenesis and angiogenesis. 2013 , 32, 160-70	66

1738	Location and membrane sources for autophagosome formation - from ER-mitochondria contact sites to Golgi-endosome-derived carriers. 2013 , 30, 394-402	39
1737	Phosphorylation of ribosomal protein S6 attenuates DNA damage and tumor suppression during development of pancreatic cancer. 2013 , 73, 1811-20	58
1736	Transforming growth factor β integrates Smad 3 to mechanistic target of rapamycin complexes to arrest deptor abundance for glomerular mesangial cell hypertrophy. 2013 , 288, 7756-7768	27
1735	Regulation of blood-testis barrier (BTB) dynamics during spermatogenesis via the "Yin" and "Yang" effects of mammalian target of rapamycin complex 1 (mTORC1) and mTORC2. 2013 , 301, 291-358	41
1734	Activation of calcium signaling through Trpv1 by nNOS and peroxynitrite as a key trigger of skeletal muscle hypertrophy. 2013 , 19, 101-6	196
1733	Amino acid sensing in dietary-restriction-mediated longevity: roles of signal-transducing kinases GCN2 and TOR. 2013 , 449, 1-10	167
1732	Beyond control of protein translation: what we have learned about the non-canonical regulation and function of mammalian target of rapamycin (mTOR). 2013 , 1834, 1434-48	32
1731	Activation of mammalian target of rapamycin and synaptogenesis: role in the actions of rapid-acting antidepressants. 2013 , 73, 1189-98	86
1730	PTEN in cancer, metabolism, and aging. 2013 , 24, 184-9	141
1729	The PI3K, metabolic, and autophagy networks: interactive partners in cellular health and disease. 2013 , 53, 89-106	95
1728	ADAMTS9 is a functional tumor suppressor through inhibiting AKT/mTOR pathway and associated with poor survival in gastric cancer. 2013 , 32, 3319-28	81
1727	Senescence regulation by mTOR. 2013 , 965, 15-35	31
1726	Cycles of ubiquitination and deubiquitination critically regulate growth factor-mediated activation of Akt signaling. 2013 , 6, ra3	46
1725	The role of lipids in the control of autophagy. 2013 , 23, R33-45	203
1724	MicroRNA-7 regulates the mTOR pathway and proliferation in adult pancreatic β cells. 2013 , 62, 887-95	157
1723	Regulation of mTORC1 by the Rag GTPases is necessary for neonatal autophagy and survival. 2013 , 493, 679-83	307
1722	Rictor regulates cell migration by suppressing RhoGDI2. 2013 , 32, 2521-6	50
1721	Metabolic stress controls mTORC1 lysosomal localization and dimerization by regulating the TTT-RUVBL1/2 complex. 2013 , 49, 172-85	152

1720	Prognostic significance and function of phosphorylated ribosomal protein S6 in esophageal squamous cell carcinoma. 2013 , 26, 327-35	36
1719	Stem cell systems and regeneration in planaria. 2013 , 223, 67-84	222
1718	SCFFbxo9 and CK2 direct the cellular response to growth factor withdrawal via Tel2/Tti1 degradation and promote survival in multiple myeloma. 2013 , 15, 72-81	60
1717	Senescence and aging: the critical roles of p53. 2013 , 32, 5129-43	459
1716	Taking the rap: multiple effects of blocking mammalian target of rapamycin. 2013 , 57, 1-3	2
1715	Competitive but Not Allosteric mTOR Kinase Inhibition Enhances Tumor Cell Radiosensitivity. 2013 , 6, 355-62	12
1714	The role of complement in CD4+ T cell homeostasis and effector functions. 2013 , 25, 12-9	35
1713	The TBC/RabGAP Armus coordinates Rac1 and Rab7 functions during autophagy. 2013 , 25, 15-28	65
1712	mTORC1 targets the translational repressor 4E-BP2, but not S6 kinase 1/2, to regulate neural stem cell self-renewal in vivo. 2013 , 5, 433-44	88
1711	Metformin impairs vascular endothelial recovery after stent placement in the setting of locally eluted mammalian target of rapamycin inhibitors via S6 kinase-dependent inhibition of cell proliferation. 2013 , 61, 971-80	29
1710	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. 2013 , 288, 33966-33977	41
1709	B cell-specific deficiencies in mTOR limit humoral immune responses. 2013 , 191, 1692-703	61
1708	The role of mTORC1 in acne pathogenesis and treatment. 2013 , 8, 617-622	3
1707	TORC2 signaling antagonizes SKN-1 to induce <i>C. elegans</i> mesendodermal embryonic development. 2013 , 384, 214-27	16
1706	Phospho-GSK-3βs involved in the high-glucose-mediated lipid deposition in renal tubular cells in diabetes. 2013 , 45, 2066-75	16
1705	T cell exit from quiescence and differentiation into Th2 cells depend on Raptor-mTORC1-mediated metabolic reprogramming. 2013 , 39, 1043-56	231
1704	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. 2013 , 154, 1080-91	63
1703	Proline-rich Akt substrate of 40-kDa contains a nuclear export signal. 2013 , 25, 1762-8	4

1702	Behavioural and EEG effects of chronic rapamycin treatment in a mouse model of tuberous sclerosis complex. 2013 , 67, 1-7	34
1701	Systemic therapy for advanced pancreatic neuroendocrine tumors. 2013 , 40, 75-83	7
1700	Activation of the mTOR pathway by the amino acid (L)-leucine in the 5q- syndrome and other ribosomopathies. 2013 , 53, 8-17	28
1699	Obesity, cancer, and acetyl-CoA metabolism. 2013 , 10, e55-e61	17
1698	Activation of the Akt/mTOR pathway in dentigerous cysts, odontogenic keratocysts, and ameloblastomas. 2013 , 116, 336-42	8
1697	A maternal diet rich in fish oil may improve cardiac Akt-related signaling in the offspring of diabetic mother rats. 2013 , 29, 688-92	7
1696	Clinicopathologic significance and function of mammalian target of rapamycin activation in esophageal squamous cell carcinoma. 2013 , 44, 226-36	14
1695	The role of mammalian target of rapamycin (mTOR) inhibition in the treatment of advanced breast cancer. 2013 , 15, 14-23	19
1694	Atrogin-1, MuRF-1, and sarcopenia. 2013 , 43, 12-21	170
1693	Dual specificity kinase DYRK3 couples stress granule condensation/dissolution to mTORC1 signaling. 2013 , 152, 791-805	366
1692	Rag GTPases mediate amino acid-dependent recruitment of TFEB and MITF to lysosomes. 2013 , 200, 475-91	204
1691	PI3K Signaling and miRNA Regulation in Autism Spectrum Disorders. 2013 , 449-459	
1690	Defining the role of histone deacetylases in the inhibition of mammary carcinogenesis by dietary energy restriction (DER): effects of suberoylanilide hydroxamic acid (SAHA) and DER in a rat model. 2013 , 6, 290-8	7
1689	Amino acid signalling upstream of mTOR. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 133-9	48.7 594
1688	Sterol regulatory element binding protein-dependent regulation of lipid synthesis supports cell survival and tumor growth. 2013 , 1, 3	166
1687	Emerging Roles of ADAP, SKAP55, and SKAP-HOM for Integrin and NF- κ B Signaling in T cells. 2013 , 01,	4
1686	The effects of 5-fluorouracil on the proteome of colon cancer cells. 2013 , 12, 1969-79	22
1685	Systemic analysis of inducible target of rapamycin mutants reveal a general metabolic switch controlling growth in <i>Arabidopsis thaliana</i> . 2013 , 73, 897-909	153

1684	Glomerular Cell Biology. 2013 , 721-755		5
1683	DAF-16/FOXO regulates homeostasis of essential sleep-like behavior during larval transitions in <i>C. elegans</i> . 2013 , 23, 501-6		46
1682	Nutrient signaling to mTOR and cell growth. 2013 , 38, 233-42		265
1681	Mechanisms linking obesity and cancer. 2013 , 1831, 1499-508		91
1680	Structure and dynamics of molecular networks: a novel paradigm of drug discovery: a comprehensive review. 2013 , 138, 333-408		604
1679	Translational control in cancer etiology. 2013 , 5,		221
1678	Chemical Inhibitors and microRNAs (miRNA) Targeting the Mammalian Target of Rapamycin (mTOR) Pathway: Potential for Novel Anticancer Therapeutics. 2013 , 14, 3874-900		32
1677	Timing and distribution of protein ingestion during prolonged recovery from resistance exercise alters myofibrillar protein synthesis. 2013 , 591, 2319-31		280
1676	The evolution of the TOR pathway and its role in cancer. 2013 , 32, 3923-32		112
1675	The GH/IGF-1 axis in ageing and longevity. 2013 , 9, 366-376		290
1674	Immune response: steroids drive dendritic cells. 2013 , 14, 424-6		5
1673	Signals from the lysosome: a control centre for cellular clearance and energy metabolism. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 283-96	48.7	1043
1672	Signaling pathways that control mRNA turnover. 2013 , 25, 1699-710		20
1671	miRNAs link metabolic reprogramming to oncogenesis. 2013 , 24, 361-73		59
1670	Arrestin signal complex plays a critical role in adipose differentiation. 2013 , 45, 1281-92		9
1669	Inhibition of T-type calcium channels disrupts Akt signaling and promotes apoptosis in glioblastoma cells. 2013 , 85, 888-97		64
1668	Potential role of FoxO1 and mTORC1 in the pathogenesis of Western diet-induced acne. 2013 , 22, 311-5		116
1667	The metabolic perturbators metformin, phenformin and AICAR interfere with the growth and survival of murine PTEN-deficient T cell lymphomas and human T-ALL/T-LL cancer cells. 2013 , 336, 114-26		56

1666	Amyloid- β signals through tau to drive ectopic neuronal cell cycle re-entry in Alzheimer's disease. 2013 , 126, 1278-86	111
1665	mTOR kinase structure, mechanism and regulation. 2013 , 497, 217-23	613
1664	Chemical development of intracellular protein heterodimerizers. 2013 , 20, 549-57	35
1663	Gene networks: dissecting pathways in retinal development and disease. 2013 , 33, 40-66	40
1662	The human glucagon-like peptide-1 analogue liraglutide regulates pancreatic beta-cell proliferation and apoptosis via an AMPK/mTOR/P70S6K signaling pathway. 2013 , 39, 71-9	73
1661	Development of a Practical Synthesis of a TORC1/2 Inhibitor: A Scalable Application of Memory of Chirality. 2013 , 17, 829-837	17
1660	Akt and mTORC1 have different roles during liver tumorigenesis in mice. 2013 , 144, 1055-65	39
1659	Rab12 regulates mTORC1 activity and autophagy through controlling the degradation of amino-acid transporter PAT4. 2013 , 14, 450-7	59
1658	The eEF2 kinase confers resistance to nutrient deprivation by blocking translation elongation. 2013 , 153, 1064-79	276
1657	Gene transfer for congestive heart failure: update 2013. 2013 , 161, 313-20	8
1656	YB-1: oncoprotein, prognostic marker and therapeutic target?. 2013 , 449, 11-23	149
1655	Nutrient regulation of the mTOR complex 1 signaling pathway. 2013 , 35, 463-73	185
1654	Pharmacological approaches to restore mitochondrial function. 2013 , 12, 465-83	258
1653	Unexplained antepartum stillbirth: a consequence of placental aging?. 2013 , 34, 310-3	38
1652	Dynamic adipocyte phosphoproteome reveals that Akt directly regulates mTORC2. 2013 , 17, 1009-1020	269
1651	It may be possible to delay the onset of neurodegenerative diseases with an immunosuppressive drug (rapamycin). 2013 , 13, 1215-9	8
1650	Ribosome profiling: a Hi-Def monitor for protein synthesis at the genome-wide scale. 2013 , 4, 473-90	56
1649	PTEN in Prostate Cancer. 2013 , 87-137	2

1648	Diabetic cardiomyopathy and metabolic remodeling of the heart. 2013 , 92, 609-15	57
1647	MicroRNAs linking inflamm-aging, cellular senescence and cancer. 2013 , 12, 1056-68	147
1646	Osteoblast-targeted suppression of PPAR α increases osteogenesis through activation of mTOR signaling. 2013 , 31, 2183-92	59
1645	Resistance to paclitaxel in breast carcinoma cells requires a quality control of mitochondrial antiapoptotic proteins by TRAP1. 2013 , 7, 895-906	62
1644	Stalling the engine of resistance: targeting cancer metabolism to overcome therapeutic resistance. 2013 , 73, 2709-17	95
1643	Metabolism in physiological cell proliferation and differentiation. 2013 , 23, 484-92	147
1642	Next generation of mammalian target of rapamycin inhibitors for the treatment of cancer. 2013 , 22, 715-22	15
1641	mTOR and lymphocyte metabolism. 2013 , 25, 347-55	67
1640	Modulation of TSC-mTOR signaling on immune cells in immunity and autoimmunity. 2014 , 229, 17-26	27
1639	Non-alcoholic fatty liver disease: more than just ectopic fat accumulation. 2013 , 10, e47-e54	6
1638	A network of interorganellar communications underlies cellular aging. 2013 , 65, 665-74	31
1637	Serine, glycine and one-carbon units: cancer metabolism in full circle. 2013 , 13, 572-83	923
1636	Metabolic regulation of cellular plasticity in the pancreas. 2013 , 23, 1242-50	63
1635	Life spanning murine gene expression profiles in relation to chronological and pathological aging in multiple organs. 2013 , 12, 901-909	46
1634	The mTORC1 pathway stimulates glutamine metabolism and cell proliferation by repressing SIRT4. 2013 , 153, 840-54	402
1633	Lipid biology of breast cancer. 2013 , 1831, 1509-17	59
1632	Monitoring nutrient signaling through the longevity protein p66(SHCL1). 2013 , 965, 341-53	
1631	Chronic leucine supplementation increases body weight and insulin sensitivity in rats on high-fat diet likely by promoting insulin signaling in insulin-target tissues. 2013 , 57, 1067-79	40

1630	Dissecting the functional interplay between the TOR pathway and the cilium in zebrafish. 2013 , 525, 159-89	5
1629	Gemcitabine triggers a pro-survival response in pancreatic cancer cells through activation of the MNK2/eIF4E pathway. 2013 , 32, 2848-57	93
1628	A critical review of mTOR inhibitors and epilepsy: from basic science to clinical trials. 2013 , 13, 657-69	86
1627	Cilia and cilia-associated proteins in cancer. 2013 , 10, e135-e142	41
1626	Inhibition of constitutive Akt (PKB) phosphorylation by docosahexaenoic acid in the human breast cancer cell line MDA-MB-453. 2013 , 1831, 306-13	14
1625	Elaborate ligand-based modeling coupled with multiple linear regression and k nearest neighbor QSAR analyses unveiled new nanomolar mTOR inhibitors. 2013 , 53, 2587-612	36
1624	Regulation of insulin receptor substrate-1 by mTORC2 (mammalian target of rapamycin complex 2). 2013 , 41, 896-901	30
1623	[Acne and diet]. 2013 , 64, 252, 254-8, 260-2	7
1622	Interferon regulatory factor 7 deficiency prevents diet-induced obesity and insulin resistance. 2013 , 305, E485-95	67
1621	The eukaryotic initiation factor 2 kinase GCN2 protects against hepatotoxicity during asparaginase treatment. 2013 , 305, E1124-33	35
1620	Regulation of autophagy by mTOR-dependent and mTOR-independent pathways: autophagy dysfunction in neurodegenerative diseases and therapeutic application of autophagy enhancers. 2013 , 41, 1103-30	257
1619	Dysregulated mTOR-dependent signaling in neurodegeneration or carcinogenesis: implication for Alzheimer's disease and brain tumors. 2013 , 37, 495-505	14
1618	Lipid raft-mediated Akt signaling as a therapeutic target in mantle cell lymphoma. 2013 , 3, e118	62
1617	Mitochondrial biogenesis through activation of nuclear signaling proteins. 2013 , 5,	133
1616	Extrarenal perivascular epithelioid cell tumors (PEComas) respond to mTOR inhibition: clinical and molecular correlates. 2013 , 132, 1711-7	91
1615	IKK β mediates hydrogen peroxide induced cell death through p85 S6K1. 2013 , 20, 248-58	16
1614	Acute myeloid leukemia: potential for new therapeutic approaches targeting mRNA translation pathways. 2013 , 2,	5
1613	Combined inhibition of the EGFR and mTOR pathways in EGFR wild-type non-small cell lung cancer cell lines with different genetic backgrounds. 2013 , 29, 2486-92	10

1612	Hrcn81 is upregulated by rapamycin treatment in human colorectal adenocarcinoma cells. 2013 , 7, 1257-60	2
1611	Small-molecule COH-SR4 inhibits adipocyte differentiation via AMPK activation. 2013 , 31, 1166-76	31
1610	Pancreatic Neuroendocrine Tumors: Signal Pathways and Targeted Therapies. 2013 , 13, 333-339	7
1609	Mechanism and physiological significance of growth factor-related autophagy. 2013 , 28, 423-31	8
1608	The effects of testosterone deprivation and supplementation on proteasomal and autophagy activity in the skeletal muscle of the male mouse: differential effects on high-androgen responder and low-androgen responder muscle groups. 2013 , 154, 4594-606	46
1607	Autophagy in blood cancers: biological role and therapeutic implications. 2013 , 98, 1335-43	42
1606	Effects of advanced age on whole-body protein synthesis and skeletal muscle mechanistic target of rapamycin signaling in horses. 2013 , 74, 1433-42	11
1605	Ubiquitin hydrolase UCH-L1 destabilizes mTOR complex 1 by antagonizing DDB1-CUL4-mediated ubiquitination of raptor. 2013 , 33, 1188-97	54
1604	Adaptation to mTOR kinase inhibitors by amplification of eIF4E to maintain cap-dependent translation. 2014 , 127, 788-800	58
1603	Nutrient signaling in protein homeostasis: an increase in quantity at the expense of quality. 2013 , 6, ra24	51
1602	Mammalian target of rapamycin complex 1 (mTORC1) plays a role in <i>Pasteurella multocida</i> toxin (PMT)-induced protein synthesis and proliferation in Swiss 3T3 cells. 2013 , 288, 2805-15	13
1601	Energy balance, polymorphisms in the mTOR pathway, and renal cell carcinoma risk. 2013 , 105, 424-32	25
1600	The role of autophagy in the pathogenesis of diabetic nephropathy. 2013 , 2013, 193757	49
1599	Rheb and mammalian target of rapamycin in mitochondrial homeostasis. 2013 , 3, 130185	31
1598	Sestrin 3 regulation in type 2 diabetic patients and its influence on metabolism and differentiation in skeletal muscle. 2013 , 305, E1408-14	27
1597	mTOR plays a critical role in p53-induced oxidative kidney cell injury in HIVAN. 2013 , 305, F343-54	18
1596	Rheb activation in subventricular zone progenitors leads to heterotopia, ectopic neuronal differentiation, and rapamycin-sensitive olfactory micronodules and dendrite hypertrophy of newborn neurons. 2013 , 33, 2419-31	38
1595	AKTivation of PI3K/AKT/mTOR signaling pathway by KSHV. 2012 , 3, 401	82

1594	The importance of the PI3K/AKT/MTOR pathway in the progression of ovarian cancer. 2013 , 14, 8213-27	120
1593	Nutrients and growth factors in mTORC1 activation. 2013 , 41, 902-5	38
1592	PPIP5K1 modulates ligand competition between diphosphoinositol polyphosphates and PtdIns(3,4,5)P3 for polyphosphoinositide-binding domains. 2013 , 453, 413-26	46
1591	Maternal overweight induced by a diet with high content of saturated fat activates placental mTOR and eIF2alpha signaling and increases fetal growth in rats. 2013 , 89, 96	53
1590	Metastasis suppressor, NDRG1, mediates its activity through signaling pathways and molecular motors. 2013 , 34, 1943-54	91
1589	Transcriptional control of hepatic lipid metabolism by SREBP and ChREBP. 2013 , 33, 301-11	163
1588	Cardamonin ameliorates insulin resistance induced by high insulin and high glucose through the mTOR and signal pathway. 2013 , 79, 452-8	16
1587	Expression of is downregulated by rapamycin in human colorectal cancer cells. 2013 , 1, 727-730	4
1586	Conditional deletion of Tsc1 in the female reproductive tract impedes normal oviductal and uterine function by enhancing mTORC1 signaling in mice. 2013 , 19, 463-72	17
1585	Dual PI3K/AKT/mTOR inhibitor BEZ235 synergistically enhances the activity of JAK2 inhibitor against cultured and primary human myeloproliferative neoplasm cells. 2013 , 12, 577-88	85
1584	When worlds collide: inositol pyrophosphates and phosphoinositides intersect at the plasma membrane. 2013 , 453, e3-4	1
1583	Intrinsic disorder in PTEN and its interactome confers structural plasticity and functional versatility. 2013 , 3, 2035	59
1582	Target of rapamycin signaling regulates metabolism, growth, and life span in Arabidopsis. 2012 , 24, 4850-74	169
1581	Stimulation of mTORC1 with L-leucine rescues defects associated with Roberts syndrome. 2013 , 9, e1003857	56
1580	Phosphoproteomic analysis implicates the mTORC2-FoxO1 axis in VEGF signaling and feedback activation of receptor tyrosine kinases. 2013 , 6, ra25	47
1579	The circadian clock coordinates ribosome biogenesis. 2013 , 11, e1001455	196
1578	eIF4EBP3L acts as a gatekeeper of TORC1 in activity-dependent muscle growth by specifically regulating Mef2ca translational initiation. 2013 , 11, e1001679	24
1577	IGF-1 receptor antagonism inhibits autophagy. 2013 , 22, 4528-44	58

1576	A dual mTORC1 and mTORC2 inhibitor shows antitumor activity in esophageal squamous cell carcinoma cells and sensitizes them to cisplatin. 2013 , 24, 889-98	22
1575	Progesterone receptor membrane component 1/Sigma-2 receptor associates with MAP1LC3B and promotes autophagy. 2013 , 9, 1566-78	56
1574	Antiproliferative effect of a novel mTOR inhibitor temsirolimus contributes to the prolonged survival of orthotopic esophageal cancer-bearing mice. 2013 , 14, 230-6	24
1573	Arginine deiminase resistance in melanoma cells is associated with metabolic reprogramming, glucose dependence, and glutamine addiction. 2013 , 12, 2581-90	82
1572	In silico motif analysis suggests an interplay of transcriptional and translational control in mTOR response. 2013 , 1, e27469	6
1571	Increased mammalian target of rapamycin complex 2 signaling promotes age-related decline in CD4 T cell signaling and function. 2013 , 191, 4648-55	14
1570	Mammalian target of rapamycin (mTor) mediates tau protein dyshomeostasis: implication for Alzheimer disease. 2013 , 288, 15556-70	90
1569	Suppression of AKT phosphorylation restores rapamycin-based synthetic lethality in SMAD4-defective pancreatic cancer cells. 2013 , 11, 474-81	12
1568	Regulation of FANCD2 by the mTOR pathway contributes to the resistance of cancer cells to DNA double-strand breaks. 2013 , 73, 3393-401	63
1567	Current phase II clinical data for ridaforolimus in cancer. 2013 , 22, 1485-93	3
1566	A novel semisynthetic inhibitor of the FRB domain of mammalian target of rapamycin blocks proliferation and triggers apoptosis in chemoresistant prostate cancer cells. 2013 , 83, 531-41	29
1565	Effects of limiting energy availability via diet and physical activity on mammalian target of rapamycin-related signaling in rat mammary carcinomas. 2013 , 34, 378-87	14
1564	Aging is not programmed: genetic pseudo-program is a shadow of developmental growth. 2013 , 12, 3736-42	85
1563	Large FK506-binding proteins shape the pharmacology of rapamycin. 2013 , 33, 1357-67	84
1562	The lysosomal signaling anchor p18/LAMTOR1 controls epidermal development by regulating lysosome-mediated catabolic processes. 2013 , 126, 3575-84	31
1561	Varicella-zoster virus ORF12 protein activates the phosphatidylinositol 3-kinase/Akt pathway to regulate cell cycle progression. 2013 , 87, 1842-8	24
1560	Molecular dissection of AKT activation in lung cancer cell lines. 2013 , 11, 282-93	24
1559	Urinary Metabolomic Profiling of Patients with Glioblastoma Multiforme. 2013 , 01,	3

1558	Amino acid deprivation inhibits TORC1 through a GTPase-activating protein complex for the Rag family GTPase Gtr1. 2013 , 6, ra42	193
1557	Dual fluorescent molecular substrates selectively report the activation, sustainability and reversibility of cellular PKB/Akt activity. 2013 , 3, 1697	7
1556	Activation of Autophagy Pathway Suppresses the Expression of iNOS, IL6 and Cell Death of LPS-Stimulated Microglia Cells. 2013 , 21, 21-8	56
1555	Phosphoinositides: tiny lipids with giant impact on cell regulation. 2013 , 93, 1019-137	931
1554	Equivalent benefit of rapamycin and a potent mTOR ATP-competitive inhibitor, MLN0128 (INK128), in a mouse model of tuberous sclerosis. 2013 , 11, 467-73	30
1553	Epithelial-specific deletion of 11HSD2 hinders Apcmin/+ mouse tumorigenesis. 2013 , 11, 1040-50	10
1552	New strategies to overcome resistance to mammalian target of rapamycin inhibitors in breast cancer. 2013 , 25, 587-93	10
1551	XPLN is an endogenous inhibitor of mTORC2. 2013 , 110, 15979-84	29
1550	Autoregulation of the mechanistic target of rapamycin (mTOR) complex 2 integrity is controlled by an ATP-dependent mechanism. 2013 , 288, 27019-27030	27
1549	Depletion of luminal pyridine nucleotides in the endoplasmic reticulum activates autophagy with the involvement of mTOR pathway. 2013 , 2013, 942431	5
1548	Signaling cascades of Pasteurella multocida toxin in immune evasion. 2013 , 5, 1664-81	13
1547	Rapamycin Inhibits ALDH Activity, Resistance to Oxidative Stress, and Metastatic Potential in Murine Osteosarcoma Cells. 2013 , 2013, 480713	35
1546	Drosophila miR-277 controls branched-chain amino acid catabolism and affects lifespan. 2013 , 10, 1042-56	45
1545	Metabolic regulation of osteoclast differentiation and function. 2013 , 28, 2392-9	122
1544	Early-life glucocorticoid exposure: the hypothalamic-pituitary-adrenal axis, placental function, and long-term disease risk. 2013 , 34, 885-916	108
1543	TOR-centric view on insulin resistance and diabetic complications: perspective for endocrinologists and gerontologists. 2013 , 4, e964	88
1542	Rapamycin inhibits BMP-7-induced osteogenic and lipogenic marker expressions in fetal rat calvarial cells. 2013 , 114, 1760-71	22
1541	Targeting erythropoietin for chronic neurodegenerative diseases. 2013 , 17, 707-20	18

1540	Rheb and Rags come together at the lysosome to activate mTORC1. 2013 , 41, 951-5	62
1539	Additive effect of sirolimus and anti-death receptor 5 agonistic antibody against hepatocellular carcinoma. 2013 , 33, 1441-8	4
1538	Oxyphenisatin acetate (NSC 59687) triggers a cell starvation response leading to autophagy, mitochondrial dysfunction, and autocrine TNF α -mediated apoptosis. 2013 , 2, 687-700	8
1537	TSC1 involvement in bladder cancer: diverse effects and therapeutic implications. 2013 , 230, 17-27	41
1536	Mutations in critical domains confer the human mTOR gene strong tumorigenicity. 2013 , 288, 6511-21	32
1535	Immunosuppressants in cancer prevention and therapy. 2013 , 2, e26961	31
1534	Myc and mTOR converge on a common node in protein synthesis control that confers synthetic lethality in Myc-driven cancers. 2013 , 110, 11988-93	168
1533	Pathological hypertrophy amelioration by PRAS40-mediated inhibition of mTORC1. 2013 , 110, 12661-6	76
1532	Proteasome-dependent activation of mammalian target of rapamycin complex 1 (mTORC1) is essential for autophagy suppression and muscle remodeling following denervation. 2013 , 288, 1125-34	80
1531	Selective anti-cancer agents as anti-aging drugs. 2013 , 14, 1092-7	36
1530	Type I interferons induce autophagy in certain human cancer cell lines. 2013 , 9, 683-96	66
1529	Ursolic acid stimulates mTORC1 signaling after resistance exercise in rat skeletal muscle. 2013 , 305, E760-5	47
1528	Protooncogene TCL1b functions as an Akt kinase co-activator that exhibits oncogenic potency in vivo. 2013 , 2, e70	12
1527	Chemotherapy-mediated p53-dependent DNA damage response in clear cell renal cell carcinoma: role of the mTORC1/2 and hypoxia-inducible factor pathways. 2013 , 4, e865	19
1526	Efficacy of the investigational mTOR kinase inhibitor MLN0128/INK128 in models of B-cell acute lymphoblastic leukemia. 2013 , 27, 586-94	84
1525	A novel rapid-onset high-penetrance plasmacytoma mouse model driven by deregulation of cMYC cooperating with KRAS12V in BALB/c mice. 2013 , 3, e156	8
1524	FBXL2- and PTPL1-mediated degradation of p110-free p85 β regulatory subunit controls the PI(3)K signalling cascade. 2013 , 15, 472-80	86
1523	Tricorned/NDR kinase signaling mediates PINK1-directed mitochondrial quality control and tissue maintenance. 2013 , 27, 157-62	37

1522	The m subunit of murine translation initiation factor eIF3 maintains the integrity of the eIF3 complex and is required for embryonic development, homeostasis, and organ size control. 2013 , 288, 30087-30093	23
1521	Mammalian target of rapamycin complex 1 (mTORC1)-mediated phosphorylation stabilizes ISCU protein: implications for iron metabolism. 2013 , 288, 12901-9	13
1520	mTOR: more targets of resveratrol?. 2013 , 15, e10	36
1519	Sex-specific mTOR signaling determines sexual dimorphism in myocardial adaptation in normotensive DOCA-salt model. 2013 , 61, 730-6	21
1518	Roles of PINK1, mTORC2, and mitochondria in preserving brain tumor-forming stem cells in a noncanonical Notch signaling pathway. 2013 , 27, 2642-7	68
1517	Acne: risk indicator for increased body mass index and insulin resistance. 2013 , 93, 644-9	54
1516	MTOR inhibition attenuates DNA damage and apoptosis through autophagy-mediated suppression of CREB1. 2013 , 9, 2069-86	33
1515	CDK4/6-inhibiting drug substitutes for p21 and p16 in senescence: duration of cell cycle arrest and MTOR activity determine geroconversion. 2013 , 12, 3063-9	84
1514	SEACing the GAP that nEGOCiates TORC1 activation: evolutionary conservation of Rag GTPase regulation. 2013 , 12, 2948-52	79
1513	Mitophagy in hematopoietic stem cells: the case for exploration. 2013 , 9, 1737-49	50
1512	A modified model of T-cell differentiation based on mTOR activity and metabolism. 2013 , 78, 125-30	20
1511	Anticancer activity of pristimerin in epidermal growth factor receptor 2-positive SKBR3 human breast cancer cells. 2013 , 36, 316-25	35
1510	mTOR inhibitor RAD001 (everolimus) induces apoptotic, not autophagic cell death, in human nasopharyngeal carcinoma cells. 2013 , 31, 904-12	18
1509	Ghrelin attenuates intestinal ischemia/reperfusion injury in mice by activating the mTOR signaling pathway. 2013 , 32, 851-9	26
1508	In scarcity and abundance: metabolic signals regulating cell growth. 2013 , 28, 298-309	5
1507	Age-associated bidirectional modulation of gene expression in single identified R15 neuron of Aplysia. 2013 , 14, 880	21
1506	Insulin resistance, telaprevir, and virological response in hepatitis C: the debate must go on. 2013 , 58, 1874-6	
1505	.	1

1504	Differential Effects of MicroRNAs on Glioblastoma Growth and Migration. 2013 , 4, 46-64	17
1503	Metabolic control by target of rapamycin and autophagy during ageing - a mini-review. 2013 , 59, 340-8	35
1502	Increased Phosphorylation of PI3K/Akt/mTOR in the Obstructed Kidney of Rats with Unilateral Ureteral Obstruction. 2013 , 49, 108-12	10
1501	Role of Autophagy in Alzheimer's Disease. 2013 , 9, 55-66	1
1500	Food and Longevity Genes. 2013 , 61-70	
1499	Rapamycin inhibits the production of myofibroblasts and reduces corneal scarring after photorefractive keratectomy. 2013 , 54, 7424-30	37
1498	Laser capture microdissection-directed profiling of glycolytic and mTOR pathways in areas of selectively ablated Müller cells in the murine retina. 2013 , 54, 6578-85	12
1497	Regulation of paclitaxel-induced programmed cell death by autophagic induction: A model for cervical cancer. 2013 , 56, 84-92	16
1496	Immunostimulatory activity of lifespan-extending agents. 2013 , 5, 793-801	20
1495	[Surviving nutrient deprivation by restraining translation elongation: biological function of the eEF2 kinase]. 2013 , 29, 951-3	
1494	Rapamycin-treated human endothelial cells preferentially activate allogeneic regulatory T cells. 2013 , 123, 1677-93	53
1493	Rapamycin extends life- and health span because it slows aging. 2013 , 5, 592-8	63
1492	A comparison of Ku0063794, a dual mTORC1 and mTORC2 inhibitor, and temsirolimus in preclinical renal cell carcinoma models. 2013 , 8, e54918	49
1491	Kinase suppressor of Ras 1 is not required for the generation of regulatory and memory T cells. 2013 , 8, e57137	4
1490	Rapamycin upregulates autophagy by inhibiting the mTOR-ULK1 pathway, resulting in reduced podocyte injury. 2013 , 8, e63799	70
1489	Combination of mTOR and EGFR kinase inhibitors blocks mTORC1 and mTORC2 kinase activity and suppresses the progression of colorectal carcinoma. 2013 , 8, e73175	17
1488	A new functional role for mechanistic/mammalian target of rapamycin complex 1 (mTORC1) in the circadian regulation of L-type voltage-gated calcium channels in avian cone photoreceptors. 2013 , 8, e73315	13
1487	HDAC1 and HDAC2 restrain the intestinal inflammatory response by regulating intestinal epithelial cell differentiation. 2013 , 8, e73785	63

1486	The tumor suppressor gene TUSC2 (FUS1) sensitizes NSCLC to the AKT inhibitor MK2206 in LKB1-dependent manner. 2013 , 8, e77067	14
1485	Branched-chain amino acids enhance premature senescence through mammalian target of rapamycin complex I-mediated upregulation of p21 protein. 2013 , 8, e80411	26
1484	Mammalian target of rapamycin complex 2 (mTORC2) is a critical determinant of bladder cancer invasion. 2013 , 8, e81081	28
1483	Berberine suppresses gero-conversion from cell cycle arrest to senescence. 2013 , 5, 623-36	47
1482	Mammalian target of rapamycin (mTOR) pathways in neurological diseases. 2013 , 36, 40-50	113
1481	Insight out: Advances in understanding metabolism achieved by high-throughput mass spectrometry. 2013 , 2, 1-8	
1480	Role of Autophagy in Cancer and Tumor Progression. 2013 ,	5
1479	The azaindole framework in the design of kinase inhibitors. 2014 , 19, 19935-79	99
1478	Ribosomopathies: mechanisms of disease. 2014 , 7, 7-16	56
1477	Adverse effects from clenbuterol and ractopamine on nematode <i>Caenorhabditis elegans</i> and the underlying mechanism. 2014 , 9, e85482	39
1476	Antitumor activity and induction of TP53-dependent apoptosis toward ovarian clear cell adenocarcinoma by the dual PI3K/mTOR inhibitor DS-7423. 2014 , 9, e87220	36
1475	Activated α -macroglobulin binding to cell surface GRP78 induces T-loop phosphorylation of Akt1 by PDK1 in association with Raptor. 2014 , 9, e88373	15
1474	Amino acid starvation has opposite effects on mitochondrial and cytosolic protein synthesis. 2014 , 9, e93597	34
1473	Myeloid-specific Rictor deletion induces M1 macrophage polarization and potentiates in vivo pro-inflammatory response to lipopolysaccharide. 2014 , 9, e95432	73
1472	Neuronal injury external to the retina rapidly activates retinal glia, followed by elevation of markers for cell cycle re-entry and death in retinal ganglion cells. 2014 , 9, e101349	21
1471	Fasting increases human skeletal muscle net phenylalanine release and this is associated with decreased mTOR signaling. 2014 , 9, e102031	43
1470	Regulation of cardiac expression of the diabetic marker microRNA miR-29. 2014 , 9, e103284	54
1469	Rictor is required for early B cell development in bone marrow. 2014 , 9, e103970	23

1468	TORC1 regulates Pah1 phosphatidate phosphatase activity via the Nem1/Spo7 protein phosphatase complex. 2014 , 9, e104194	35
1467	A critical role for mTORC1 in erythropoiesis and anemia. 2014 , 3, e01913	50
1466	Thapsigargin induces apoptosis by impairing cytoskeleton dynamics in human lung adenocarcinoma cells. 2014 , 2014, 619050	9
1465	34. Formula feeding promotes adipogenic, diabetogenic, hypertonic and allergic mTORC1-programming. 2014 , 545-568	2
1464	Tumor promoter-induced cellular senescence: cell cycle arrest followed by geroconversion. 2014 , 5, 12715-27	29
1463	Mechanisms underlying the anti-aging and anti-tumor effects of lithocholic bile acid. 2014 , 15, 16522-43	25
1462	The Pasteur's Dictum: Nitrogen Promotes Growth and Oxygen Reduces the Need for Sugar. 2014 , 4, 51	1
1461	Functionalized polystyrene nanoparticles as a platform for studying bio-nano interactions. 2014 , 5, 2403-12	115
1460	PI3K-AKT-mTOR-signaling and beyond: the complex network in gastroenteropancreatic neuroendocrine neoplasms. 2014 , 4, 336-65	63
1459	Introduction to Autophagy. 2014 , 1-35	
1458	Rational therapy from bench to bedside for a rare epilepsy. 2014 , 14, 286-8	1
1457	It TAK(es) 1 to prevent steatohepatitis and tumorigenesis. 2014 , 13, 847-848	
1456	mTOR and lysosome regulation. 2014 , 6, 52	78
1455	. 2014 ,	1
1454	High prevalence of mTOR complex activity can be targeted using Torin2 in papillary thyroid carcinoma. 2014 , 35, 1564-72	34
1453	Reciprocal conversion of Gtr1 and Gtr2 nucleotide-binding states by Npr2-Npr3 inactivates TORC1 and induces autophagy. 2014 , 10, 1565-78	44
1452	Classes of phosphoinositide 3-kinases at a glance. 2014 , 127, 923-8	184
1451	M(o)TOR of pseudo-hypoxic state in aging: rapamycin to the rescue. 2014 , 13, 509-15	39

1450	State transitions in the TORC1 signaling pathway and information processing in <i>Saccharomyces cerevisiae</i> . 2014 , 198, 773-86	82
1449	Artesunate induces cell death in human cancer cells via enhancing lysosomal function and lysosomal degradation of ferritin. 2014 , 289, 33425-41	93
1448	mTORC1/2 targeted by n-3 polyunsaturated fatty acids in the prevention of mammary tumorigenesis and tumor progression. 2014 , 33, 4548-57	47
1447	p70 Ribosomal protein S6 kinase (Rps6kb1): an update. 2014 , 67, 1019-25	39
1446	Rho GTPases in insulin-stimulated glucose uptake. 2014 , 5, e28102	19
1445	mTOR kinase-dependent, but raptor-independent regulation of downstream signaling is important for cell cycle exit and myogenic differentiation. 2014 , 13, 2517-25	7
1444	Lifespan extension and cancer prevention in HER-2/neu transgenic mice treated with low intermittent doses of rapamycin. 2014 , 15, 586-92	54
1443	Minireview: microRNA function in pancreatic β cells. 2014 , 28, 1922-33	34
1442	Antagonism of mTOR Activity by a Kinetically Inert Rhodium(III) Complex. 2014 , 79, 508-511	25
1441	The role of the MEK/ERK pathway in regulation of HDACi-induced senescence of transformed rat embryo fibroblasts. 2014 , 8, 374-383	
1440	Tuberous sclerosis 1 promotes invariant NKT cell anergy and inhibits invariant NKT cell-mediated antitumor immunity. 2014 , 192, 2643-50	25
1439	In the beginning, there was protein phosphorylation. 2014 , 289, 9460-2	13
1438	Nutritional influences on age-related skeletal muscle loss. 2014 , 73, 16-33	78
1437	Proteomic survey reveals altered energetic patterns and metabolic failure prior to retinal degeneration. 2014 , 34, 2797-812	17
1436	The ATP-competitive mTOR inhibitor INK128 enhances in vitro and in vivo radiosensitivity of pancreatic carcinoma cells. 2014 , 20, 110-9	43
1435	Radiation-Induced Bystander Response: Mechanism and Clinical Implications. 2014 , 3, 16-24	20
1434	Akt-dependent activation of mTORC1 complex involves phosphorylation of mTOR (mammalian target of rapamycin) by I κ B kinase β kinase β . 2014 , 289, 25227-40	81
1433	mTOR limits the recruitment of CD11b+Gr1+Ly6Chigh myeloid-derived suppressor cells in protecting against murine immunological hepatic injury. 2014 , 95, 961-70	35

1432	A combination of eicosapentaenoic acid-free fatty acid, epigallocatechin-3-gallate and proanthocyanidins has a strong effect on mTOR signaling in colorectal cancer cells. 2014 , 35, 2314-20	19
1431	Koschei the immortal and anti-aging drugs. 2014 , 5, e1552	33
1430	Japanese encephalitis virus replication is negatively regulated by autophagy and occurs on LC3-I- and EDEM1-containing membranes. 2014 , 10, 1637-51	69
1429	Attenuation of replication stress-induced premature cellular senescence to assess anti-aging modalities. 2014 , 69, 9.47.1-9.47.10	4
1428	An mTOR anti-sense oligonucleotide decreases polycystic kidney disease in mice with a targeted mutation in Pkd2. 2014 , 23, 4919-31	24
1427	Dynamic modelling of pathways to cellular senescence reveals strategies for targeted interventions. 2014 , 10, e1003728	83
1426	mTOR ensures increased release and reduced uptake of the organic osmolyte taurine under hypoosmotic conditions in mouse fibroblasts. 2014 , 306, C1028-40	11
1425	Obesity-metabolic derangement exacerbates cardiomyocyte loss distal to moderate coronary artery stenosis in pigs without affecting global cardiac function. 2014 , 306, H1087-101	18
1424	Identification of the novel interacting partners of the mammalian target of rapamycin complex 1 in human CCRF-CEM and HEK293 cells. 2014 , 15, 4823-36	7
1423	Tumor suppression and promotion by autophagy. 2014 , 2014, 603980	118
1422	Nuclear envelope regulation of signaling cascades. 2014 , 773, 187-206	18
1421	mTOR: its role in the nervous system and involvement in neurologic disease. 2014 , 83, 1562-72	11
1420	Computer-aided targeting of the PI3K/Akt/mTOR pathway: toxicity reduction and therapeutic opportunities. 2014 , 15, 18856-91	42
1419	Screening mTOR siRNA based on bioinformatics and detecting the transcription by the gold nanoparticle beacon. 2014 ,	
1418	Metformin reverses multidrug resistance in human hepatocellular carcinoma Bel-7402/5-fluorouracil cells. 2014 , 10, 2891-7	33
1417	Mechanistic target of rapamycin (mTOR): a point of convergence in the action of insulin/IGF-1 and G protein-coupled receptor agonists in pancreatic cancer cells. 2014 , 5, 357	43
1416	Unkempt is negatively regulated by mTOR and uncouples neuronal differentiation from growth control. 2014 , 10, e1004624	30
1415	Role of nutrient-sensing signals in the pathogenesis of diabetic nephropathy. 2014 , 2014, 315494	42

1414	Chronic insulin exposure does not cause insulin resistance but is associated with chemo-resistance in colon cancer cells. 2014 , 46, 85-93	10
1413	PIP4k is a substrate for mTORC1 that maintains basal mTORC1 signaling during starvation. 2014 , 7, ra104	18
1412	Over-expression of PRAS40 enhances insulin sensitivity in skeletal muscle. 2014 , 120, 64-72	20
1411	A natural compound Evo(kes) signaling for fat regulation. 2014 , 13, 2801-2	1
1410	AMP-activated protein kinase (AMPK) beyond metabolism: a novel genomic stress sensor participating in the DNA damage response pathway. 2014 , 15, 156-69	142
1409	AMPK: regulating energy balance at the cellular and whole body levels. 2014 , 29, 99-107	152
1408	Role of the mammalian target of rapamycin (mTOR) complexes in pancreatic β cell mass regulation. 2014 , 95, 425-69	12
1407	The adaptor protein p66Shc inhibits mTOR-dependent anabolic metabolism. 2014 , 7, ra17	28
1406	DEPTOR is a stemness factor that regulates pluripotency of embryonic stem cells. 2014 , 289, 31818-31826	22
1405	Diacylglycerol lipase regulates lifespan and oxidative stress response by inversely modulating TOR signaling in <i>Drosophila</i> and <i>C. elegans</i> . 2014 , 13, 755-64	32
1404	The microRNA 132 regulates fluid shear stress-induced differentiation in periodontal ligament cells through mTOR signaling pathway. 2014 , 33, 433-45	42
1403	Decreased genetic dosage of hepatic Yin Yang 1 causes diabetic-like symptoms. 2014 , 28, 308-16	8
1402	Weekly administration of rapamycin improves survival and biomarkers in obese male mice on high-fat diet. 2014 , 13, 616-22	59
1401	Axonal protein synthesis and the regulation of primary afferent function. 2014 , 74, 269-78	20
1400	Footprints of recent selection and variability in breed composition in the Göttingen Minipig genome. 2014 , 45, 381-91	7
1399	The structural basis for mTOR function. 2014 , 36, 91-101	35
1398	TORC2-a new player in genome stability. 2014 , 6, 995-1002	30
1397	Concomitant activation of the PI3K/Akt and ERK1/2 signalling is involved in cyclic compressive force-induced IL-6 secretion in MLO-Y4 cells. 2014 , 38, 591-8	18

1396	mTOR complex 1: a key player in neuroadaptations induced by drugs of abuse. 2014 , 130, 172-84	81
1395	Phase II study of everolimus in children and adults with neurofibromatosis type 2 and progressive vestibular schwannomas. 2014 , 16, 292-7	73
1394	Prognostic implication of TSC1 and mTOR expression in gastric carcinoma. 2014 , 109, 812-7	19
1393	FGF2 and insulin signaling converge to regulate cyclin D expression in multipotent neural stem cells. 2014 , 32, 770-8	14
1392	In search of antiaging modalities: evaluation of mTOR- and ROS/DNA damage-signaling by cytometry. 2014 , 85, 386-99	32
1391	Defining the action spectrum of potential PGC-1 α activators on a mitochondrial and cellular level in vivo. 2014 , 23, 2400-15	35
1390	Polyphenols and the human brain: plant secondary metabolite ecologic roles and endogenous signaling functions drive benefits. 2014 , 5, 515-33	65
1389	Dual mTORC1/2 blockade inhibits glioblastoma brain tumor initiating cells in vitro and in vivo and synergizes with temozolomide to increase orthotopic xenograft survival. 2014 , 20, 5756-67	35
1388	mTOR inhibitors: changing landscape of endocrine-resistant breast cancer. 2014 , 10, 443-56	11
1387	TAK1-mediated autophagy and fatty acid oxidation prevent hepatosteatosis and tumorigenesis. 2014 , 124, 3566-78	108
1386	Regulating Mitochondrial Respiration in Cancer. 2014 , 29-73	2
1385	Loss of Tsc1 accelerates malignant gliomagenesis when combined with oncogenic signals. 2014 , 155, 227-33	18
1384	Inhibition of protein translation as a novel mechanism for prostaglandin E2 regulation of cell functions. 2014 , 28, 56-66	13
1383	"TRIMing" the patient population to increase the benefit of mTOR inhibition. 2014 , 106,	1
1382	Subcellular distribution and activity of mechanistic target of rapamycin in aged retinal pigment epithelium. 2014 , 55, 8638-50	24
1381	Transcriptomic portrait of human Mesenchymal Stromal/Stem Cells isolated from bone marrow and placenta. 2014 , 15, 910	43
1380	Mirk/dyrk1B kinase is upregulated following inhibition of mTOR. 2014 , 35, 1968-76	14
1379	Insight into the role of mTOR and metabolism in T cells reveals new potential approaches to preventing graft rejection. 2014 , 19, 363-71	18

1378	Prediction of survival in resected non-small cell lung cancer using a protein expression-based risk model: implications for personalized chemoprevention and therapy. 2014 , 20, 1946-54	26
1377	Mis-regulation of mammalian target of rapamycin (mTOR) complexes induced by albuminuria in proximal tubules. 2014 , 289, 16790-801	24
1376	PP242 suppresses cell proliferation, metastasis, and angiogenesis of gastric cancer through inhibition of the PI3K/AKT/mTOR pathway. 2014 , 25, 1129-40	36
1375	The role of tumor suppressor p53 in the antioxidant defense and metabolism. 2014 , 85, 337-58	95
1374	Inhibition of endometrial cancer by n-3 polyunsaturated fatty acids in preclinical models. 2014 , 7, 824-34	21
1373	Mechanisms of translation control underlying long-lasting synaptic plasticity and the consolidation of long-term memory. 2014 , 122, 131-67	72
1372	SIRT6: a promising target for cancer prevention and therapy. 2014 , 818, 181-96	9
1371	Tumor Metabolome Targeting and Drug Development. 2014 ,	
1370	Therapeutic Strategies for Treatment of Pulmonary Lymphangiomyomatosis (LAM). 2014 , 2, 1063-1074	3
1369	Detection of PI3K inhibition in human neuroblastoma using multiplex luminex bead immunoassay: a targeted approach for pathway analysis. 2014 , 19, 1235-45	3
1368	p18/LAMTOR1: a late endosome/lysosome-specific anchor protein for the mTORC1/MAPK signaling pathway. 2014 , 535, 249-63	26
1367	Transcriptional regulation of the stress response by mTOR. 2014 , 7, re2	56
1366	mTOR Signaling in Protein Translation Regulation: Implications in Cancer Genesis and Therapeutic Interventions. 2014 , 2014, 686984	115
1365	Hormone Resistance in Two MCF-7 Breast Cancer Cell Lines is Associated with Reduced mTOR Signaling, Decreased Glycolysis, and Increased Sensitivity to Cytotoxic Drugs. 2014 , 4, 221	18
1364	Obesity is associated with higher 4E-BP1 expression in endometrial cancer. 2014 , 2014, 1-7	4
1363	Genetic and pharmacologic evidence that mTOR targeting outweighs mTORC1 inhibition as an antimyeloma strategy. 2014 , 13, 504-16	7
1362	p53/TAp63 and AKT regulate mammalian target of rapamycin complex 1 (mTORC1) signaling through two independent parallel pathways in the presence of DNA damage. 2014 , 289, 4083-94	43
1361	PKC β acts downstream of chemoattractant receptors and mTORC2 to regulate cAMP production and myosin II activity in neutrophils. 2014 , 25, 1446-57	25

1360	Organelle Stress and mTOR in Aging-Associated Inflammation. 2014 , 165-181	
1359	Critical role of the mTOR pathway in development and function of myeloid-derived suppressor cells in <i>lal</i> ^{-/-} mice. 2014 , 184, 397-408	26
1358	Whey protein modifies gene expression related to protein metabolism affecting muscle weight in resistance-exercised rats. 2014 , 30, 876-81	9
1357	TORC1 and class I HDAC inhibitors synergize to suppress mature B cell neoplasms. 2014 , 8, 261-72	19
1356	IRS1Ser1136 phosphorylation does not mediate mTORC1-induced insulin resistance. 2014 , 443, 689-93	7
1355	Mechanistic target of rapamycin (mTOR) signaling genes in decapod crustaceans: cloning and tissue expression of mTOR, Akt, Rheb, and p70 S6 kinase in the green crab, <i>Carcinus maenas</i> , and blackback land crab, <i>Gecarcinus lateralis</i> . 2014 , 168, 25-39	30
1354	Rapamycin protects against Aβ-induced synaptotoxicity by increasing presynaptic activity in hippocampal neurons. 2014 , 1842, 1495-501	14
1353	Neuroendocrine tumors: insights into innovative therapeutic options and rational development of targeted therapies. 2014 , 19, 458-68	27
1352	Metabolic complications with the use of mTOR inhibitors for cancer therapy. 2014 , 40, 190-6	57
1351	Regulation of intestinal mucosal growth by amino acids. 2014 , 46, 565-73	18
1350	Introduction to Autophagy: Cancer, Other Pathologies, Inflammation, Immunity, Infection and Aging, Volumes 1&2. 2014 , 1-32	1
1349	Cellular polarity in aging: role of redox regulation and nutrition. 2014 , 9, 371	14
1348	PAS kinase is a nutrient and energy sensor in hypothalamic areas required for the normal function of AMPK and mTOR/S6K1. 2014 , 50, 314-26	19
1347	GM3 and diabetes. 2014 , 31, 193-7	34
1346	The second-generation mTOR kinase inhibitor INK128 exhibits anti-inflammatory activity in lipopolysaccharide-activated RAW 264.7 cells. 2014 , 37, 756-65	24
1345	Research progress of ursolic acid's anti-tumor actions. 2014 , 20, 72-9	33
1344	Antibiotic drug tigecycline inhibited cell proliferation and induced autophagy in gastric cancer cells. 2014 , 446, 105-12	40
1343	Lifespan extension by cranberry supplementation partially requires SOD2 and is life stage independent. 2014 , 50, 57-63	14

1342	mTOR signaling in autophagy regulation in the kidney. 2014 , 34, 2-8	45
1341	Postprandial activation of metabolic and inflammatory signalling pathways in human peripheral mononuclear cells. 2014 , 111, 2167-75	7
1340	Targeting tissue-specific metabolic signaling pathways in aging: the promise and limitations. 2014 , 5, 21-35	23
1339	Kinase mTOR: regulation and role in maintenance of cellular homeostasis, tumor development, and aging. 2014 , 79, 88-101	27
1338	Dual phosphorylation of Sin1 at T86 and T398 negatively regulates mTORC2 complex integrity and activity. 2014 , 5, 171-7	35
1337	Novel roles for the MiTF/TFE family of transcription factors in organelle biogenesis, nutrient sensing, and energy homeostasis. 2014 , 71, 2483-97	111
1336	Proteasome modulates positive and negative translational regulators in long-term synaptic plasticity. 2014 , 34, 3171-82	61
1335	WITHDRAWN: Nuclear matrix, nuclear envelope and premature aging syndromes in a translational research perspective. 2014 ,	6
1334	3D cell culture systems modeling tumor growth determinants in cancer target discovery. 2014 , 69-70, 29-41	312
1333	Rhes, a striatal-selective protein implicated in Huntington disease, binds beclin-1 and activates autophagy. 2014 , 289, 3547-54	91
1332	Cell-cycle-regulated activation of Akt kinase by phosphorylation at its carboxyl terminus. 2014 , 508, 541-5	232
1331	The AGC kinase SGK1 regulates TH1 and TH2 differentiation downstream of the mTORC2 complex. 2014 , 15, 457-64	130
1330	Autophagy is a survival mechanism of acute myelogenous leukemia precursors during dual mTORC2/mTORC1 targeting. 2014 , 20, 2400-9	74
1329	Eco-immunology. 2014 ,	3
1328	Deregulation of cell signaling in cancer. 2014 , 588, 2558-70	82
1327	Involvement of 'stress-response' kinase pathways in Alzheimer's disease progression. 2014 , 27, 110-7	10
1326	lncRNAs: insights into their function and mechanics in underlying disorders. 2014 , 762, 1-21	153
1325	Hyperactivation of mammalian target of rapamycin complex 1 (mTORC1) promotes breast cancer progression through enhancing glucose starvation-induced autophagy and Akt signaling. 2014 , 289, 1164-73	28

1324	Introduction to β Catenin-Independent Wnt Signaling Pathways. 2014 , 89-99	1
1323	The role of NEFL in cell growth and invasion in head and neck squamous cell carcinoma cell lines. 2014 , 43, 191-8	15
1322	Ex vivo molecular rejuvenation improves the therapeutic activity of senescent human cardiac stem cells in a mouse model of myocardial infarction. 2014 , 32, 2373-85	52
1321	Translational reprogramming in cellular stress response. 2014 , 5, 301-15	131
1320	Microtubule dynamics regulates Akt signaling via dynactin p150. 2014 , 26, 1707-16	13
1319	New function of type I IFN: induction of autophagy. 2014 , 34, 71-8	82
1318	Rapamycin increases mitochondrial efficiency by mtDNA-dependent reprogramming of mitochondrial metabolism in <i>Drosophila</i> . 2014 , 127, 2282-90	32
1317	Nuclear Akt2 opposes limbal keratinocyte stem cell self-renewal by repressing a FOXO-mTORC1 signaling pathway. 2014 , 32, 754-69	11
1316	A role for Raptor phosphorylation in the mechanical activation of mTOR signaling. 2014 , 26, 313-22	38
1315	Podocyte-specific GLUT4-deficient mice have fewer and larger podocytes and are protected from diabetic nephropathy. 2014 , 63, 701-14	41
1314	Oncoprotein stabilization in brain tumors. 2014 , 33, 4709-21	13
1313	Metformin: a metabolic disruptor and anti-diabetic drug to target human leukemia. 2014 , 346, 188-96	48
1312	Isp7 is a novel regulator of amino acid uptake in the TOR signaling pathway. 2014 , 34, 794-806	17
1311	Interplay between cell growth and cell cycle in plants. 2014 , 65, 2703-14	100
1310	Mammalian target of rapamycin complex 2 (mTORC2) coordinates pulmonary artery smooth muscle cell metabolism, proliferation, and survival in pulmonary arterial hypertension. 2014 , 129, 864-74	127
1309	Group 9 organometallic compounds for therapeutic and bioanalytical applications. 2014 , 47, 3614-31	203
1308	A mitochondrial ATP synthase subunit interacts with TOR signaling to modulate protein homeostasis and lifespan in <i>Drosophila</i> . 2014 , 8, 1781-1792	32
1307	Itraconazole suppresses the growth of glioblastoma through induction of autophagy: involvement of abnormal cholesterol trafficking. 2014 , 10, 1241-55	125

1306	Midline 1 directs lytic granule exocytosis and cytotoxicity of mouse killer T cells. 2014 , 44, 3109-18	6
1305	Discussion. 2014 , 156, 1548-1549	1
1304	SIN1, a critical component of the mTOR-Rictor complex, is overexpressed and associated with AKT activation in medullary and aggressive papillary thyroid carcinomas. 2014 , 156, 1542-8; discussion 1548-9	11
1303	PTEN/PIK3CA genes are frequently mutated in spontaneous and medroxyprogesterone acetate-accelerated 7,12-dimethylbenz(a)anthracene-induced mammary tumours of tree shrews. 2014 , 50, 3230-42	19
1302	mTOR signaling in tumorigenesis. 2014 , 1846, 638-54	81
1301	Bone as an endocrine organ relevant to diabetes. 2014 , 14, 556	10
1300	Role of mTOR in the regulation of skeletal muscle metabolism. 2014 , 40, 580-588	3
1299	Tubers from patients with tuberous sclerosis complex are characterized by changes in microtubule biology through ROCK2 signalling. 2014 , 233, 247-57	5
1298	Transformation of quiescent adult oligodendrocyte precursor cells into malignant glioma through a multistep reactivation process. 2014 , 111, E4214-23	81
1297	The neurology of mTOR. 2014 , 84, 275-91	418
1296	Hypothalamic miR-103 protects from hyperphagic obesity in mice. 2014 , 34, 10659-74	50
1295	MicroRNA and signaling pathways in gastric cancer. 2014 , 21, 305-16	38
1294	Clinical development of mTOR inhibitors in breast cancer. 2014 , 16, 203	41
1293	Leucine-enriched amino acid ingestion after resistance exercise prolongs myofibrillar protein synthesis and amino acid transporter expression in older men. 2014 , 144, 1694-702	71
1292	PDK4 protein promotes tumorigenesis through activation of cAMP-response element-binding protein (CREB)-Ras homolog enriched in brain (RHEB)-mTORC1 signaling cascade. 2014 , 289, 29739-49	59
1291	Oxford and the Savannah: can the hippo provide an explanation for Peto's paradox?. 2014 , 20, 557-64	5
1290	Anticancer Genes. 2014 ,	1
1289	The role of diacylglycerol kinase and phosphatidic acid in the mechanical activation of mammalian target of rapamycin (mTOR) signaling and skeletal muscle hypertrophy. 2014 , 289, 1551-63	101

1288	Luciferase-based reporter to monitor the transcriptional activity of the SIRT3 promoter. 2014 , 543, 141-63	6
1287	Stratification of clear cell renal cell carcinoma by signaling pathway analysis. 2014 , 11, 237-49	8
1286	The histidine transporter SLC15A4 coordinates mTOR-dependent inflammatory responses and pathogenic antibody production. 2014 , 41, 375-388	79
1285	The biochemistry and cell biology of aging: metabolic regulation through mitochondrial signaling. 2014 , 306, E581-91	40
1284	Introduction to Autophagy. 2014 , 1-46	
1283	mTOR and autophagy: a dynamic relationship governed by nutrients and energy. 2014 , 36, 121-9	307
1282	FOXO3-mTOR metabolic cooperation in the regulation of erythroid cell maturation and homeostasis. 2014 , 89, 954-63	58
1281	Dennd3 functions as a guanine nucleotide exchange factor for small GTPase Rab12 in mouse embryonic fibroblasts. 2014 , 289, 13986-95	9
1280	Ser/Thr-Specific Protein Kinases and Protein Phosphatases. 2014 , 417-472	
1279	mTOR pathway is involved in ADP-evoked astrocyte activation and ATP release in the spinal dorsal horn in a rat neuropathic pain model. 2014 , 275, 395-403	28
1278	High dietary protein intake, reducing or eliciting insulin resistance?. 2014 , 68, 973-9	99
1277	Mammalian target of rapamycin is essential for cardiomyocyte survival and heart development in mice. 2014 , 452, 53-9	20
1276	Phospholipase D and the maintenance of phosphatidic acid levels for regulation of mammalian target of rapamycin (mTOR). 2014 , 289, 22583-22588	80
1275	mTOR inhibition increases cell viability via autophagy induction during endoplasmic reticulum stress - An experimental and modeling study. 2014 , 4, 704-13	56
1274	Translational control during endoplasmic reticulum stress beyond phosphorylation of the translation initiation factor eIF2 β . 2014 , 289, 12593-611	86
1273	Novel strategy for successful long-term hematopoietic recovery after transplanting a limited number of hematopoietic stem/progenitor cells. 2014 , 20, 1282-9	2
1272	Systematic screen of chemotherapeutics in Drosophila stem cell tumors. 2014 , 111, 4530-5	79
1271	Role of tumor suppressor TSC1 in regulating antigen-specific primary and memory CD8 T cell responses to bacterial infection. 2014 , 82, 3045-57	15

1270	Characterization of VPS34-IN1, a selective inhibitor of Vps34, reveals that the phosphatidylinositol 3-phosphate-binding SGK3 protein kinase is a downstream target of class III phosphoinositide 3-kinase. 2014 , 463, 413-27	173
1269	Mutant p53 and MDM2 in Cancer. 2014 ,	4
1268	Mechanistic perspectives of calorie restriction on vascular homeostasis. 2014 , 57, 742-54	9
1267	Targeting the mTOR signaling pathway in neuroendocrine tumors. 2014 , 15, 365-79	59
1266	Regulation of the pentose phosphate pathway in cancer. 2014 , 5, 592-602	233
1265	Growth hormone pathways signaling for cell proliferation and survival in hippocampal neural precursors from postnatal mice. 2014 , 15, 100	34
1264	Inhibition of G9a induces DUSP4-dependent autophagic cell death in head and neck squamous cell carcinoma. 2014 , 13, 172	47
1263	Antitumor activity of the ERK inhibitor SCH772984 [corrected] against BRAF mutant, NRAS mutant and wild-type melanoma. 2014 , 13, 194	72
1262	The potential mechanistic link between allergy and obesity development and infant formula feeding. 2014 , 10, 37	25
1261	A diverse array of cancer-associated MTOR mutations are hyperactivating and can predict rapamycin sensitivity. 2014 , 4, 554-63	279
1260	Activation of mTORC1 in collecting ducts causes hyperkalemia. 2014 , 25, 534-45	23
1259	microRNA-21-induced dissociation of PDCD4 from rictor contributes to Akt-IKK β -mTORC1 axis to regulate renal cancer cell invasion. 2014 , 328, 99-117	38
1258	PPAR α activation attenuates glucose intolerance induced by mTOR inhibition with rapamycin in rats. 2014 , 306, E1046-54	32
1257	Crystal structures of the S6K1 kinase domain in complexes with inhibitors. 2014 , 15, 153-64	7
1256	Dietary supplementation with essential amino acids boosts the beneficial effects of rosuvastatin on mouse kidney. 2014 , 46, 2189-203	11
1255	Rapamycin promotes podocyte autophagy and ameliorates renal injury in diabetic mice. 2014 , 394, 145-54	55
1254	Leucine supplementation differentially enhances pancreatic cancer growth in lean and overweight mice. 2014 , 2, 6	38
1253	Molecularly targeting the PI3K-Akt-mTOR pathway can sensitize cancer cells to radiotherapy and chemotherapy. 2014 , 19, 233-42	39

1252	Metabolic crosstalk: molecular links between glycogen and lipid metabolism in obesity. 2014 , 63, 2935-48	50
1251	The role of mTOR in depression and antidepressant responses. 2014 , 101, 10-4	115
1250	Therapeutic targeting of the mTOR-signalling pathway in cancer: benefits and limitations. 2014 , 171, 3801-13	77
1249	The dietary proportion of essential amino acids and Sir2 influence lifespan in the honeybee. 2014 , 36, 9649	20
1248	Advances in Preventive Therapy for Estrogen-Receptor-Negative Breast Cancer. 2014 , 6, 96-109	29
1247	Inflammation and pancreatic cancer: molecular and functional interactions between S100A8, S100A9, NT-S100A8 and TGF β . 2014 , 12, 20	24
1246	Immune memory-boosting dose of rapamycin impairs macrophage vesicle acidification and curtails glycolysis in effector CD8 cells, impairing defense against acute infections. 2014 , 193, 757-63	21
1245	The links between AKT and two intracellular proteolytic cascades: ubiquitination and autophagy. 2014 , 1846, 342-52	45
1244	Enhanced arginine methylation of programmed cell death 4 protein during nutrient deprivation promotes tumor cell viability. 2014 , 289, 17541-52	18
1243	Regulation of interferon-dependent mRNA translation of target genes. 2014 , 34, 289-96	21
1242	Critical role of SCD1 in autophagy regulation via lipogenesis and lipid rafts-coupled AKT-FOXO1 signaling pathway. 2014 , 10, 226-42	38
1241	mTor is a signaling hub in cell survival: a mass-spectrometry-based proteomics investigation. 2014 , 13, 2433-44	34
1240	Fatty acids are novel nutrient factors to regulate mTORC1 lysosomal localization and apoptosis in podocytes. 2014 , 1842, 1097-108	82
1239	Multifaceted regulation of somatic cell reprogramming by mRNA translational control. 2014 , 14, 606-16	31
1238	Amino-functionalized nanoparticles as inhibitors of mTOR and inducers of cell cycle arrest in leukemia cells. 2014 , 35, 1944-53	67
1237	Hydrodynamic transfection for generation of novel mouse models for liver cancer research. 2014 , 184, 912-923	193
1236	Inhibition of hypoxia-induced proliferation of pulmonary arterial smooth muscle cells by a mTOR siRNA-loaded cyclodextrin nanovector. 2014 , 35, 4401-16	19
1235	Targeting signaling pathways in T-cell acute lymphoblastic leukemia initiating cells. 2014 , 56, 6-21	31

1234	RNA metabolism in the pathogenesis of Parkinson's disease. 2014 , 1584, 105-15	10
1233	Insulin regulates lipid and glucose metabolism similarly in two lines of rainbow trout divergently selected for muscle fat content. 2014 , 204, 49-59	26
1232	Pten loss induces autocrine FGF signaling to promote skin tumorigenesis. 2014 , 6, 818-26	36
1231	Synthetic lethality by co-targeting mitochondrial apoptosis and PI3K/Akt/mTOR signaling. 2014 , 19 Pt A, 85-7	28
1230	Noncanonical autophagy: one small step for LC3, one giant leap for immunity. 2014 , 26, 69-75	79
1229	Nuclear matrix, nuclear envelope and premature aging syndromes in a translational research perspective. 2014 , 29, 125-47	52
1228	The Vac14-interaction network is linked to regulators of the endolysosomal and autophagic pathway. 2014 , 13, 1397-411	38
1227	Autophagy and cancer metabolism. 2014 , 542, 25-57	80
1226	Adipogenic and insulin resistance- promoting effects of milk consumption. 2014 , 58, 1166-7	1
1225	Molecular genetics of clear-cell renal cell carcinoma. 2014 , 32, 1968-76	213
1224	Insulin and metabolic stress stimulate multisite serine/threonine phosphorylation of insulin receptor substrate 1 and inhibit tyrosine phosphorylation. 2014 , 289, 12467-84	65
1223	Rapamycin prevents strong phosphorylation of p53 on serine 46 and attenuates activation of the p53 pathway in A549 lung cancer cells exposed to actinomycin D. 2014 , 139, 11-21	17
1222	Gain-of-function mutant p53 promotes cell growth and cancer cell metabolism via inhibition of AMPK activation. 2014 , 54, 960-74	160
1221	O-GlcNAcylation regulates cancer metabolism and survival stress signaling via regulation of the HIF-1 pathway. 2014 , 54, 820-31	222
1220	Dysregulation of the IGF-I/PI3K/AKT/mTOR signaling pathway in autism spectrum disorders. 2014 , 35, 35-41	95
1219	ERK and AKT signaling cooperate to translationally regulate survivin expression for metastatic progression of colorectal cancer. 2014 , 33, 1828-39	122
1218	Translation factors and ribosomal proteins control tumor onset and progression: how?. 2014 , 33, 2145-56	62
1217	New experimental trends for phosphoinositides research on ion transporter/channel regulation. 2014 , 126, 186-97	4

1216	Polysome fractionation and analysis of mammalian translatoemes on a genome-wide scale. 2014 ,	103
1215	The intriguing regulators of muscle mass in sarcopenia and muscular dystrophy. 2014 , 6, 230	38
1214	[Involvement of the endosomal compartment in cellular insulin signaling]. 2014 , 208, 137-50	4
1213	Modulating Autophagy to Cure Human Immunodeficiency Virus type-1. 2014 , 127-142	
1212	Therapeutic potential of targeting mTOR in T-cell acute lymphoblastic leukemia (review). 2014 , 45, 909-18	19
1211	A Correction to the Research Article Titled: "The Adaptor Protein p66Shc Inhibits mTOR-Dependent Anabolic Metabolism" by M. A. Soliman, A. M. Abdel Rahman, D. A. Lamming, K. Birsoy, J. Pawling, M. E. Frigolet, H. Lu, I. G. Fantus, A. Pasculescu, Y. Zheng, D. M. Sabatini, J. W. Dennis, T. Pawson. 2014 , 7, 2-2	
1210	Targeted inhibition of mTORC2 prevents osteosarcoma cell migration and promotes apoptosis. 2014 , 32, 382-8	18
1209	A genetic screen identifies Tor as an interactor of VAPB in a Drosophila model of amyotrophic lateral sclerosis. 2014 , 3, 1127-38	21
1208	Rapamycin enhances long-term hematopoietic reconstitution of ex vivo expanded mouse hematopoietic stem cells by inhibiting senescence. 2014 , 97, 20-9	55
1207	Orexin A protects cells from apoptosis by regulating FoxO1 and mTORC1 through the OX1R/PI3K/AKT signaling pathway in hepatocytes. 2014 , 34, 153-9	20
1206	p53 suppresses stress-induced cellular senescence via regulation of autophagy under the deprivation of serum. 2015 , 11, 1214-20	11
1205	4EBP1/eIF4E and p70S6K/RPS6 axes play critical and distinct roles in hepatocarcinogenesis driven by AKT and N-Ras proto-oncogenes in mice. 2015 , 61, 200-13	49
1204	Mechanistic insights into the role of mTOR signaling in neuronal differentiation. 2015 , 2, e1058684	5
1203	PDGFR- β -activated ACK1-AKT signaling promotes glioma tumorigenesis. 2015 , 136, 1769-80	19
1202	Neuritic complexity of hippocampal neurons depends on WIP-mediated mTORC1 and Abl family kinases activities. 2015 , 5, e00359	4
1201	Mitochondrial Biogenesis Involved in Neurodegeneration and Aging. 2015 , 1, 103-110	
1200	Mapping sites of aspirin-induced acetylations in live cells by quantitative acid-cleavable activity-based protein profiling (QA-ABPP). 2015 , 5, 7896	53
1199	Nutrient starvation affects expression of LC3 family at the feto-maternal interface during murine placentation. 2015 , 77, 305-11	12

1198	1 T moderate intensity static magnetic field affects Akt/mTOR pathway and increases the antitumor efficacy of mTOR inhibitors in CNE-2Z cells. 2015 , 60, 2120-2128	18
1197	Oncosuppressive functions of tribbles pseudokinase 3. 2015 , 43, 1122-6	13
1196	The Phosphatidylinositol 3-Kinase Pathway in Human Malignancies. 2015 , 315-324	
1195	Rapamycin-induced autophagy activity promotes bone fracture healing in rats. 2015 , 10, 1327-1333	19
1194	TORC1 controls G1-S cell cycle transition in yeast via Mpk1 and the greatwall kinase pathway. 2015 , 6, 8256	59
1193	TSC2 mediates hyperosmotic stress-induced inactivation of mTORC1. 2015 , 5, 13828	18
1192	Impairment of chaperone-mediated autophagy leads to selective lysosomal degradation defects in the lysosomal storage disease cystinosis. 2015 , 7, 158-74	61
1191	Deficiency in mTORC1-controlled C/EBP β mRNA translation improves metabolic health in mice. 2015 , 16, 1022-36	25
1190	Construction of phosphorylation interaction networks by text mining of full-length articles using the eFIP system. 2015 , 2015,	18
1189	The role of TORC1 in muscle development in Drosophila. 2015 , 5, 9676	11
1188	RACK1 Promotes Autophagy by Enhancing the Atg14L-Beclin 1-Vps34-Vps15 Complex Formation upon Phosphorylation by AMPK. 2015 , 13, 1407-1417	56
1187	The effects of short-term fasting on tolerance to (neo) adjuvant chemotherapy in HER2-negative breast cancer patients: a randomized pilot study. 2015 , 15, 652	119
1186	The camKK2/camKIV relay is an essential regulator of hepatic cancer. 2015 , 62, 505-20	70
1185	Significance of filamin A in mTORC2 function in glioblastoma. 2015 , 14, 127	31
1184	Inhibition of the mammalian target of rapamycin complex 1 signaling pathway reduces itch behaviour in mice. 2015 , 156, 1519-1529	12
1183	Somatic Mutations in the MTOR gene cause focal cortical dysplasia type IIb. 2015 , 78, 375-86	129
1182	Therapeutic effects of mouse adipose-derived stem cells and losartan in the skeletal muscle of injured mdx mice. 2015 , 24, 939-53	23
1181	Olive Oil-derived Oleocanthal as Potent Inhibitor of Mammalian Target of Rapamycin: Biological Evaluation and Molecular Modeling Studies. 2015 , 29, 1776-82	42

1180	Mitochondrial metabolism in hematopoietic stem cells requires functional FOXO3. 2015 , 16, 1164-76	79
1179	Tryptophan-Dependent Control of Colony Formation After DNA Damage via Sea3-Regulated TORC1 Signaling in <i>Saccharomyces cerevisiae</i> . 2015 , 5, 1379-89	2
1178	TORC1 Regulates Developmental Responses to Nitrogen Stress via Regulation of the GATA Transcription Factor Gaf1. 2015 , 6, e00959	22
1177	IQGAP3 is essential for cell proliferation and motility during zebrafish embryonic development. 2015 , 72, 422-33	9
1176	Regulation of cardiac miR-208a, an inducer of obesity, by rapamycin and nebivolol. 2015 , 23, 2251-9	15
1175	Cytoplasmic mRNA turnover and ageing. 2015 , 152, 32-42	21
1174	Genetic alterations in glioblastoma multiforme. 323-344	
1173	Regulation and dysregulation of protein synthesis in cancer cells. 70-92	1
1172	Introduction to Autophagy. 2015 , 1-48	
1171	Targeting the PI3K/Akt signaling pathway in gastric carcinoma: A reality for personalized medicine?. 2015 , 21, 12261-73	123
1170	Molecular Mechanisms Controlling Skeletal Muscle Mass. 2015 ,	3
1169	Transcriptional Regulation of the Human Genes that Encode DNA Repair- and Mitochondrial Function-Associated Proteins. 2015 ,	5
1168	Translate to divide: Control of the cell cycle by protein synthesis. 2015 , 2, 94-104	52
1167	Tissue-specific autophagy responses to aging and stress in <i>C. elegans</i> . 2015 , 7, 419-34	55
1166	Evaluation by microarray of the potential safety of <i>Sarracenia purpurea</i> L. (<i>Sarraceniaceae</i>) a traditional medicine used by the Cree of Eeyou Istchee. 2015 , 18, 562-77	1
1165	The pathogenic role of persistent milk signaling in mTORC1- and milk-microRNA-driven type 2 diabetes mellitus. 2015 , 11, 46-62	35
1164	cMET in NSCLC: Can We Cut off the Head of the Hydra? From the Pathway to the Resistance. 2015 , 7, 556-73	29
1163	Milk--A Nutrient System of Mammalian Evolution Promoting mTORC1-Dependent Translation. 2015 , 16, 17048-87	67

1162	Mathematical modelling of metabolic regulation in aging. 2015 , 5, 232-51	19
1161	Characterizing autism spectrum disorders by key biochemical pathways. 2015 , 9, 313	40
1160	Possibility of small-molecule-based pharmacotherapy for sarcopenia. 2015 , 4, 73-82	2
1159	Molecular Genetics and Targeted Therapy in Hepatocellular Carcinoma. 2016 , 16, 53-70	15
1158	Nuclear envelope protein Lem2 is required for mouse development and regulates MAP and AKT kinases. 2015 , 10, e0116196	25
1157	Computational analysis of an autophagy/translation switch based on mutual inhibition of MTORC1 and ULK1. 2015 , 10, e0116550	24
1156	Autophagy is involved in the reduction of myelinating Schwann cell cytoplasm during myelin maturation of the peripheral nerve. 2015 , 10, e0116624	30
1155	Tumor cells switch to mitochondrial oxidative phosphorylation under radiation via mTOR-mediated hexokinase II inhibition--a Warburg-reversing effect. 2015 , 10, e0121046	74
1154	Basal Autophagy and Feedback Activation of Akt Are Associated with Resistance to Metformin-Induced Inhibition of Hepatic Tumor Cell Growth. 2015 , 10, e0130953	11
1153	Lymphangioliomyomatosis Biomarkers Linked to Lung Metastatic Potential and Cell Stemness. 2015 , 10, e0132546	10
1152	Characterization of Sin1 Isoforms Reveals an mTOR-Dependent and Independent Function of Sin1□ 2015 , 10, e0135017	17
1151	Signaling Pathways Related to Protein Synthesis and Amino Acid Concentration in Pig Skeletal Muscles Depend on the Dietary Protein Level, Genotype and Developmental Stages. 2015 , 10, e0138277	21
1150	C/EBP□LAP*/LAP Expression Is Mediated by RSK/eIF4B-Dependent Signalling and Boosted by Increased Protein Stability in Models of Monocytic Differentiation. 2015 , 10, e0144338	9
1149	Revealing Different Roles of the mTOR-Targets S6K1 and S6K2 in Breast Cancer by Expression Profiling and Structural Analysis. 2015 , 10, e0145013	19
1148	Clinical features, epidemiology, and therapy of lymphangioliomyomatosis. 2015 , 7, 249-57	54
1147	Linking diet to acne metabolomics, inflammation, and comedogenesis: an update. 2015 , 8, 371-88	106
1146	L-Lactate Protects Skin Fibroblasts against Aging-Associated Mitochondrial Dysfunction via Mitohormesis. 2015 , 2015, 351698	17
1145	Docosahexaenoic Acid Modulates a HER2-Associated Lipogenic Phenotype, Induces Apoptosis, and Increases Trastuzumab Action in HER2-Overexpressing Breast Carcinoma Cells. 2015 , 2015, 838652	18

1144	. 2015 ,	2
1143	The role and mechanism of CRL4 E3 ubiquitin ligase in cancer and its potential therapy implications. 2015 , 6, 42590-602	24
1142	Dual Targeting of mTOR Activity with Torin2 Potentiates Anticancer Effects of Cisplatin in Epithelial Ovarian Cancer. 2015 , 21, 466-78	9
1141	Switching the sphingolipid rheostat in the treatment of diabetes and cancer comorbidity from a problem to an advantage. 2015 , 2015, 165105	20
1140	Point mutations of the mTOR-RHEB pathway in renal cell carcinoma. 2015 , 6, 17895-910	49
1139	Systems Biology of Glioblastoma Multiforme. 2015 ,	
1138	TNFAIP3 promotes survival of CD4 T cells by restricting MTOR and promoting autophagy. 2015 , 11, 1052-62	80
1137	Identification of glucose-6-phosphate transporter as a key regulator functioning at the autophagy initiation step. 2015 , 589, 2100-9	7
1136	Action of obestatin in skeletal muscle repair: stem cell expansion, muscle growth, and microenvironment remodeling. 2015 , 23, 1003-1021	26
1135	Rapid molecular evolution across amniotes of the IIS/TOR network. 2015 , 112, 7055-60	46
1134	Phosphorylation of the Hippo Pathway Component AMOTL2 by the mTORC2 Kinase Promotes YAP Signaling, Resulting in Enhanced Glioblastoma Growth and Invasiveness. 2015 , 290, 19387-401	61
1133	Sirolimus and everolimus in kidney transplantation. 2015 , 20, 1243-9	83
1132	Cardiac energy dependence on glucose increases metabolites related to glutathione and activates metabolic genes controlled by mechanistic target of rapamycin. 2015 , 4,	21
1131	mTOR signaling and its involvement in the regulation of cell movements through remodeling the cytoskeleton architecture. 2015 , 31, 5-14	2
1130	Life Extension. 2015 ,	0
1129	Effects of endocytosis on receptor-mediated signaling. 2015 , 35, 137-43	103
1128	The critical role of Akt in cardiovascular function. 2015 , 74, 38-48	184
1127	Target of Rapamycin Complex 2 regulates cell growth via Myc in Drosophila. 2015 , 5, 10339	12

1126	CK2 Function in the Regulation of Akt Pathway. 2015 , 125-140	
1125	Targeting Unselective Autophagy of Cellular Aggregates. 2015 , 95-133	
1124	Autophagy plays an important role in triptolide-induced apoptosis in cardiomyocytes. 2015 , 236, 168-83	33
1123	Involvement of mTOR in Type 2 CRF Receptor Inhibition of Insulin Signaling in Muscle Cells. 2015 , 29, 831-41	5
1122	miR-103 promotes 3T3-L1 cell adipogenesis through AKT/mTOR signal pathway with its target being MEF2D. 2015 , 396, 235-44	52
1121	Regulation of mTOR activity in Snell dwarf and GH receptor gene-disrupted mice. 2015 , 156, 565-75	55
1120	Introduction to Autophagy. 2015 , 1-51	
1119	Macrophage migration inhibitory factor induces vascular leakage via autophagy. 2015 , 4, 244-52	31
1118	The role of TRPMLs in endolysosomal trafficking and function. 2015 , 58, 48-56	123
1117	The Intricate Interplay between Mechanisms Underlying Aging and Cancer. 2015 , 6, 56-75	22
1116	Recent insights into the pathophysiology of mTOR pathway dysregulation. 2015 , 1	
1115	TORC2 mediates the heat stress response in Drosophila by promoting the formation of stress granules. 2015 , 128, 2497-508	26
1114	microRNA: Basic Science. 2015 ,	1
1113	Arginine increases development of in vitro-produced porcine embryos and affects the protein arginine methyltransferase-dimethylarginine dimethylaminohydrolase-nitric oxide axis. 2015 , 27, 655-66	26
1112	Co-administration of the mTORC1/TORC2 inhibitor INK128 and the Bcl-2/Bcl-xL antagonist ABT-737 kills human myeloid leukemia cells through Mcl-1 down-regulation and AKT inactivation. 2015 , 100, 1553-63	23
1111	The mucopolidosis IV Ca ²⁺ channel TRPML1 (MCOLN1) is regulated by the TOR kinase. 2015 , 470, 331-42	50
1110	Dietary supplementation with evodiamine prevents obesity and improves insulin resistance in ageing mice. 2015 , 19, 320-329	7
1109	Profiling the role of mammalian target of rapamycin in the vascular smooth muscle metabolome in pulmonary arterial hypertension. 2015 , 5, 667-80	12

1108	Vps34 and PLD1 take center stage in nutrient signaling: their dual roles in regulating autophagy. 2015 , 13, 44	11
1107	microRNAs in Pancreatic ECell Physiology. 2015 , 887, 101-17	8
1106	The amelioration of metabolic disorders in early stage diabetic rats by resveratrol is associated with mTORC1 regulation. 2015 , 18, 737-745	2
1105	Brain size is controlled by the mammalian target of rapamycin (mTOR) in mice. 2015 , 8, e994377	5
1104	Deletion of MLIP (muscle-enriched A-type lamin-interacting protein) leads to cardiac hyperactivation of Akt/mammalian target of rapamycin (mTOR) and impaired cardiac adaptation. 2015 , 290, 26699-714	14
1103	Mammalian target of rapamycin overexpression antagonizes chronic hypoxia-triggered pulmonary arterial hypertension via the autophagic pathway. 2015 , 36, 316-22	19
1102	Combined antitumor gene therapy with herpes simplex virus-thymidine kinase and short hairpin RNA specific for mammalian target of rapamycin. 2015 , 47, 2233-9	2
1101	microRNA-32 induces radioresistance by targeting DAB2IP and regulating autophagy in prostate cancer cells. 2015 , 10, 2055-2062	45
1100	Qiliqiangxin Protects Against Cardiac Ischemia-Reperfusion Injury via Activation of the mTOR Pathway. 2015 , 37, 454-64	21
1099	Metformin alleviates hepatosteatosis by restoring SIRT1-mediated autophagy induction via an AMP-activated protein kinase-independent pathway. 2015 , 11, 46-59	179
1098	Transforming growth factor- β promotes prostate bone metastasis through induction of microRNA-96 and activation of the mTOR pathway. 2015 , 34, 4767-76	68
1097	Everolimus-induced hematologic changes in patients with metastatic breast cancer. 2015 , 15, 48-53	10
1096	Metabolism. Lysosomal amino acid transporter SLC38A9 signals arginine sufficiency to mTORC1. 2015 , 347, 188-94	517
1095	Cell biology. Making sense of amino acid sensing. 2015 , 347, 128-9	33
1094	Oxidative stress and autophagy: the clash between damage and metabolic needs. 2015 , 22, 377-88	1004
1093	The effects of everolimus on tuberous sclerosis-associated lesions can be dramatic but may be impermanent. 2015 , 30, 173-7	8
1092	Methylglyoxal activates the target of rapamycin complex 2-protein kinase C signaling pathway in <i>Saccharomyces cerevisiae</i> . 2015 , 35, 1269-80	33
1091	mTOR Signaling in Endometrial Cancer: From a Molecular and Therapeutic Point of View. 2015 , 4, 1-10	10

1090	Translational control of chronic pain. 2015 , 131, 185-213	19
1089	Overexpression of the PP2A regulatory subunit Tap46 leads to enhanced plant growth through stimulation of the TOR signalling pathway. 2015 , 66, 827-40	57
1088	mTOR signaling in T cell immunity and autoimmunity. 2015 , 34, 50-66	44
1087	Gene Transfer for Clinical Congestive Heart Failure. 2015 , 215-226	1
1086	Physical exercise increases autophagic signaling through ULK1 in human skeletal muscle. 2015 , 118, 971-9	67
1085	Sugar Chains. 2015 ,	3
1084	An β -acetoxo-tirucallic acid isomer inhibits Akt/mTOR signaling and induces oxidative stress in prostate cancer cells. 2015 , 352, 33-42	22
1083	Micro(RNA) managing by mTORC1. 2015 , 57, 575-576	6
1082	Dual PI3K/mTOR Inhibitors Induce Rapid Overactivation of the MEK/ERK Pathway in Human Pancreatic Cancer Cells through Suppression of mTORC2. 2015 , 14, 1014-23	65
1081	Human phospholipase D activity transiently regulates pyrimidine biosynthesis in malignant gliomas. 2015 , 10, 1258-68	12
1080	mTOR coordinates protein synthesis, mitochondrial activity and proliferation. 2015 , 14, 473-80	261
1079	PI3K/Akt/mTOR signaling in medullary thyroid cancer: a promising molecular target for cancer therapy. 2015 , 48, 363-70	79
1078	NADPH oxidase 4 induces cardiac fibrosis and hypertrophy through activating Akt/mTOR and NF κ B signaling pathways. 2015 , 131, 643-55	164
1077	Diet-induced unresolved ER stress hinders KRAS-driven lung tumorigenesis. 2015 , 21, 117-25	23
1076	Combined regulation of mTORC1 and lysosomal acidification by GSK-3 suppresses autophagy and contributes to cancer cell growth. 2015 , 34, 4613-23	65
1075	mTOR/MYC Axis Regulates O-GlcNAc Transferase Expression and O-GlcNAcylation in Breast Cancer. 2015 , 13, 923-33	78
1074	Chalcones and their therapeutic targets for the management of diabetes: structural and pharmacological perspectives. 2015 , 92, 839-65	146
1073	Obesity and cancer: local and systemic mechanisms. 2015 , 66, 297-309	166

1072	New strategy for in vitro activation of primordial follicles with mTOR and PI3K stimulators. 2015 , 14, 721-31	63
1071	Rictor/mTORC2 pathway in oocytes regulates folliculogenesis, and its inactivation causes premature ovarian failure. 2015 , 290, 6387-96	43
1070	Deregulation of the endogenous C/EBP β LIP isoform predisposes to tumorigenesis. 2015 , 93, 39-49	23
1069	Augmented pentose phosphate pathway plays critical roles in colorectal carcinomas. 2015 , 88, 309-19	19
1068	Autophagy and cell reprogramming. 2015 , 72, 1699-713	42
1067	Regulation of endothelial cell proliferation and vascular assembly through distinct mTORC2 signaling pathways. 2015 , 35, 1299-313	46
1066	The expanding role of mTOR in cancer cell growth and proliferation. 2015 , 30, 169-76	103
1065	Inhibition of wild-type p53-induced phosphatase 1 promotes liver regeneration in mice by direct activation of mammalian target of rapamycin. 2015 , 61, 2030-41	24
1064	Targeting the translation machinery in cancer. 2015 , 14, 261-78	477
1063	Milk consumption during pregnancy increases birth weight, a risk factor for the development of diseases of civilization. 2015 , 13, 13	26
1062	Heat shock factor 1 in protein homeostasis and oncogenic signal integration. 2015 , 75, 907-12	27
1061	Targeting of mTORC2 may have advantages over selective targeting of mTORC1 in the treatment of malignant pheochromocytoma. 2015 , 36, 5273-81	16
1060	Chemical genomics approach to identify genes associated with sensitivity to rapamycin in the fission yeast <i>Schizosaccharomyces pombe</i> . 2015 , 20, 292-309	16
1059	TSC1 activates TGF- β Smad2/3 signaling in growth arrest and epithelial-to-mesenchymal transition. 2015 , 32, 617-30	42
1058	Identification of rictor as a novel substrate of Polo-like kinase 1. 2015 , 14, 755-60	7
1057	Autophagy in diabetic nephropathy. 2015 , 224, R15-30	189
1056	Hrr25/CK1 β -directed release of Ltv1 from pre-40S ribosomes is necessary for ribosome assembly and cell growth. 2015 , 208, 745-59	54
1055	Oleuropein potently inhibits mammalian target of rapamycin: possible involvement of tandem anomeric hyperconjugation β Michael reaction. 2015 , 24, 616-623	2

1054	S6K1 controls autophagosome maturation in autophagy induced by sulforaphane or serum deprivation. 2015 , 94, 470-81	16
1053	Mechanism of cytoplasmic mRNA translation. 2015 , 13, e0176	118
1052	Autophagy and neurodegeneration. 2015 , 125, 65-74	225
1051	Glucocorticoids and Skeletal Muscle. 2015 , 872, 145-76	69
1050	Activation of the BMP-BMPR pathway conferred resistance to EGFR-TKIs in lung squamous cell carcinoma patients with EGFR mutations. 2015 , 112, 9990-5	24
1049	Crosstalk between PI3K and Ras pathways via protein phosphatase 2A in human ovarian clear cell carcinoma. 2015 , 16, 325-35	12
1048	Fonte musculaire versus croissance tumorale: un paradoxe dans le soin nutritionnel du sujet cancéreux. 2015 , 50, 150-157	
1047	Proteolytic Cleavage of AMPK and Intracellular MMP9 Expression Are Both Required for TLR4-Mediated mTORC1 Activation and HIF-1 β Expression in Leukocytes. 2015 , 195, 2452-60	18
1046	Retinal ganglion cell dendrite pathology and synapse loss: Implications for glaucoma. 2015 , 220, 199-216	30
1045	Loss of mTOR signaling affects cone function, cone structure and expression of cone specific proteins without affecting cone survival. 2015 , 135, 1-13	19
1044	Growth-factor dependent expression of the translationally controlled tumour protein TCTP is regulated through the PI3-K/Akt/mTORC1 signalling pathway. 2015 , 27, 1557-68	32
1043	Glucocorticoid Signaling. 2015 ,	8
1042	Genetics and pharmacology of longevity: the road to therapeutics for healthy aging. 2015 , 90, 1-101	31
1041	1, 25(OH)2D3 protects β cell against high glucose-induced apoptosis through mTOR suppressing. 2015 , 414, 111-9	22
1040	Sestrin2 inhibits mTORC1 through modulation of GATOR complexes. 2015 , 5, 9502	103
1039	Functional Proteomics Identifies Acinus L as a Direct Insulin- and Amino Acid-Dependent Mammalian Target of Rapamycin Complex 1 (mTORC1) Substrate. 2015 , 14, 2042-55	9
1038	Hepatocyte-Specific Expression of Human Lysosome Acid Lipase Corrects Liver Inflammation and Tumor Metastasis in <i>lal(-/-)</i> Mice. 2015 , 185, 2379-89	27
1037	mTORC2 Balances AKT Activation and eIF2 β Serine 51 Phosphorylation to Promote Survival under Stress. 2015 , 13, 1377-88	27

1036	A systems-level interrogation identifies regulators of Drosophila blood cell number and survival. 2015 , 11, e1005056	12
1035	Impaired wound healing results from the dysfunction of the Akt/mTOR pathway in diabetic rats. 2015 , 79, 241-51	28
1034	Signalling mechanisms regulating phenotypic changes in breast cancer cells. 2015 , 35,	9
1033	Invariant NKT cells require autophagy to coordinate proliferation and survival signals during differentiation. 2015 , 194, 5872-84	49
1032	Activation of the TOR Signalling Pathway by Glutamine Regulates Insect Fecundity. 2015 , 5, 10694	40
1031	Regulation of the Tumor-Suppressor Function of the Class III Phosphatidylinositol 3-Kinase Complex by Ubiquitin and SUMO. 2014 , 7, 1-29	24
1030	Transcriptional control of autophagy-lysosome function drives pancreatic cancer metabolism. 2015 , 524, 361-5	475
1029	Precision medicine for metastatic breast cancer—limitations and solutions. 2015 , 12, 693-704	201
1028	Targeting of mTOR catalytic site inhibits multiple steps of the HIV-1 lifecycle and suppresses HIV-1 viremia in humanized mice. 2015 , 112, 9412-7	63
1027	The Roles of mTOR Complexes in Lipid Metabolism. 2015 , 35, 321-48	167
1026	Skp2-Mediated RagA Ubiquitination Elicits a Negative Feedback to Prevent Amino-Acid-Dependent mTORC1 Hyperactivation by Recruiting GATOR1. 2015 , 58, 989-1000	55
1025	The antioxidant function of sestrins is mediated by promotion of autophagic degradation of Keap1 and Nrf2 activation and by inhibition of mTORC1. 2015 , 88, 205-211	81
1024	MicroRNA-374b Suppresses Proliferation and Promotes Apoptosis in T-cell Lymphoblastic Lymphoma by Repressing AKT1 and Wnt-16. 2015 , 21, 4881-91	42
1023	4E-BPs Control Fat Storage by Regulating the Expression of Egr1 and ATGL. 2015 , 290, 17331-8	20
1022	Conditional disruption of rictor demonstrates a direct requirement for mTORC2 in skin tumor development and continued growth of established tumors. 2015 , 36, 487-97	20
1021	Monoallelic loss of the imprinted gene Grb10 promotes tumor formation in irradiated Nf1+/- mice. 2015 , 11, e1005235	8
1020	Che-1-induced inhibition of mTOR pathway enables stress-induced autophagy. 2015 , 34, 1214-30	53
1019	Expression and function of ryanodine receptor related pathways in PCB tolerant Atlantic killifish (<i>Fundulus heteroclitus</i>) from New Bedford Harbor, MA, USA. 2015 , 159, 156-66	11

1018	mTOR signaling in epilepsy: insights from malformations of cortical development. 2015 , 5,	84
1017	AMPK binds to Sestrins and mediates the effect of exercise to increase insulin-sensitivity through autophagy. 2015 , 64, 658-65	69
1016	Importance of EEG in validating the chronic effects of drugs: suggestions from animal models of epilepsy treated with rapamycin. 2015 , 27, 30-9	6
1015	Histone deacetylase inhibitors induce autophagy through FOXO1-dependent pathways. 2015 , 11, 629-42	112
1014	Significance of nuclear p-mTOR expression in advanced oral squamous cell carcinoma with extracapsular extension of lymph node metastases. 2015 , 51, 493-9	3
1013	Development of a tandem affinity phosphoproteomic method with motif selectivity and its application in analysis of signal transduction networks. 2015 , 988, 166-74	8
1012	A REDD1/TXNIP pro-oxidant complex regulates ATG4B activity to control stress-induced autophagy and sustain exercise capacity. 2015 , 6, 7014	122
1011	Introduction to Autophagy: Cancer, Other Pathologies, Inflammation, Immunity, Infection, and Aging, Volume 7. 2015 , 1-53	
1010	Inorganic polyphosphate elicits pro-inflammatory responses through activation of the mammalian target of rapamycin complexes 1 and 2 in vascular endothelial cells. 2015 , 13, 860-71	45
1009	Seven-, Eight-Membered and Larger Heterocyclic Rings and Their Fused Derivatives. 2015 , 649-755	
1008	The mammalian target of rapamycin complex 1 (mTORC1) in breast cancer: the impact of oestrogen receptor and HER2 pathways. 2015 , 150, 91-103	10
1007	Identification of quantitative trait loci for branching traits of spray cut chrysanthemum. 2015 , 202, 385-392	14
1006	Molecular mechanisms of dietary restriction in aging-insights from <i>Caenorhabditis elegans</i> research. 2015 , 58, 352-8	6
1005	Treatment-related fatigue with everolimus and temsirolimus in patients with cancer-a meta-analysis of clinical trials. 2015 , 36, 643-54	7
1004	A Lipid-TORC1 Pathway Promotes Neuronal Development and Foraging Behavior under Both Fed and Fasted Conditions in <i>C. elegans</i> . 2015 , 33, 260-71	24
1003	Effects of the glucagon-like peptide-1 receptor agonist liraglutide in juvenile transgenic pigs modeling a pre-diabetic condition. 2015 , 13, 73	22
1002	Expression of DJ-1 and mTOR in eutopic and ectopic endometria of patients with endometriosis and adenomyosis. 2015 , 79, 195-200	16
1001	Autophagy and Necroptosis in Cancer. 2015 , 243-273	

1000	The Circadian Protein BMAL1 Regulates Translation in Response to S6K1-Mediated Phosphorylation. 2015 , 161, 1138-1151	210
999	Higher Risk of Infections with PI3K-AKT-mTOR Pathway Inhibitors in Patients with Advanced Solid Tumors on Phase I Clinical Trials. 2015 , 21, 1869-76	28
998	The endosomal sorting complex required for transport pathway mediates chemokine receptor CXCR4-promoted lysosomal degradation of the mammalian target of rapamycin antagonist DEPTOR. 2015 , 290, 6810-24	20
997	Unselective Disposal of Cellular Aggregates. 2015 , 135-182	
996	Prevention of carcinogen and inflammation-induced dermal cancer by oral rapamycin includes reducing genetic damage. 2015 , 8, 400-9	17
995	Advances in the treatment of prostate cancer with radiotherapy. 2015 , 95, 144-53	13
994	Multilayer regulatory mechanisms control cleavage factor I proteins in filamentous fungi. 2015 , 43, 179-95	6
993	In vivo quantitative phosphoproteomic profiling identifies novel regulators of castration-resistant prostate cancer growth. 2015 , 34, 2764-76	47
992	Up-regulation of lysosomal TRPML1 channels is essential for lysosomal adaptation to nutrient starvation. 2015 , 112, E1373-81	141
991	Repertoires of autophagy in the pathogenesis of ocular diseases. 2015 , 35, 1663-76	24
990	Autocrine VEGF maintains endothelial survival through regulation of metabolism and autophagy. 2015 , 128, 2236-48	106
989	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. 2015 , 33, 272-84	57
988	The Suppression of Wound Healing Response with Sirolimus and Sunitinib Following Experimental Trabeculectomy in a Rabbit Model. 2016 , 41, 367-76	10
987	Malformations of cortical development and epilepsy. 2015 , 5, a022392	64
986	Binding of the pathogen receptor HSP90AA1 to avibirnavirus VP2 induces autophagy by inactivating the AKT-MTOR pathway. 2015 , 11, 503-15	67
985	AMBRA1 and BECLIN 1 interplay in the crosstalk between autophagy and cell proliferation. 2015 , 14, 959-63	26
984	MCRS1 binds and couples Rheb to amino acid-dependent mTORC1 activation. 2015 , 33, 67-81	51
983	Screening of mammalian target of rapamycin inhibitors in natural product extracts by capillary electrophoresis in combination with high performance liquid chromatography-tandem mass spectrometry. 2015 , 1388, 267-73	18

982	Flow Cytometry: Impact on Early Drug Discovery. 2015 , 20, 689-707	44
981	Neuronal stress signaling and eIF2 β phosphorylation as molecular links between Alzheimer's disease and diabetes. 2015 , 129, 37-57	46
980	Transcriptional co-repressor function of the hippo pathway transducers YAP and TAZ. 2015 , 11, 270-82	164
979	Targeting mTOR signaling pathways and related negative feedback loops for the treatment of acute myeloid leukemia. 2015 , 16, 648-56	28
978	The alteration of protein prenylation induces cardiomyocyte hypertrophy through Rheb-mTORC1 signalling and leads to chronic heart failure. 2015 , 235, 672-85	34
977	Cannabinoid receptor 1 and acute resistance exercise--In vivo and in vitro studies in human skeletal muscle. 2015 , 67, 55-63	6
976	Autophagy signal transduction by ATG proteins: from hierarchies to networks. 2015 , 72, 4721-57	150
975	Rethinking the paradigm: How comparative studies on fatty acid oxidation inform our understanding of T cell metabolism. 2015 , 68, 564-74	14
974	N-Methyl-N-nitrosourea as a mammary carcinogenic agent. 2015 , 36, 9095-117	31
973	Muscle wasting as main evidence of energy impairment in cancer cachexia: future therapeutic approaches. 2015 , 11, 2697-2710	18
972	Diminished MTORC1-Dependent JNK Activation Underlies the Neurodevelopmental Defects Associated with Lysosomal Dysfunction. 2015 , 12, 2009-20	21
971	Differential IKK/NF- κ B Activity Is Mediated by TSC2 through mTORC1 in PTEN-Null Prostate Cancer and Tuberous Sclerosis Complex Tumor Cells. 2015 , 13, 1602-14	19
970	Surviving protein quality control catastrophes--from cells to organisms. 2015 , 128, 3861-9	43
969	Inhibition of Notch Signaling Promotes the Adipogenic Differentiation of Mesenchymal Stem Cells Through Autophagy Activation and PTEN-PI3K/AKT/mTOR Pathway. 2015 , 36, 1991-2002	118
968	MicroRNA Profiles of HPV-Associated Oropharyngeal Squamous Cell Carcinoma (OPSCC). 2015 , 133-152	1
967	Mitochondrial retrograde signaling regulates neuronal function. 2015 , 112, E6000-9	36
966	Pancreatic Cancer Metabolism: Breaking It Down to Build It Back Up. 2015 , 5, 1247-61	133
965	Rapamycin-mediated mTORC2 inhibition is determined by the relative expression of FK506-binding proteins. 2015 , 14, 265-73	103

964	The imidazo[1,2-a]pyridine ring system as a scaffold for potent dual phosphoinositide-3-kinase (PI3K)/mammalian target of rapamycin (mTOR) inhibitors. 2015 , 25, 4136-42	15
963	mTOR in Brain Physiology and Pathologies. 2015 , 95, 1157-87	200
962	Intestinal apical polarity mediates regulation of TORC1 by glucosylceramide in <i>C. elegans</i> . 2015 , 29, 1218-23	24
961	Growth factor signaling to mTORC1 by amino acid-laden macropinosomes. 2015 , 211, 159-72	59
960	Purple sweet potato (<i>Ipomoea batatas</i> L.) color alleviates high-fat-diet-induced obesity in SD rat by mediating leptin effect and attenuating oxidative stress. 2015 , 24, 1523-1532	9
959	Quantitative proteomic analysis shows differentially expressed HSPB1 in glioblastoma as a discriminating short from long survival factor and NOVA1 as a differentiation factor between low-grade astrocytoma and oligodendroglioma. 2015 , 15, 481	29
958	SKN-1/Nrf, stress responses, and aging in <i>Caenorhabditis elegans</i> . 2015 , 88, 290-301	269
957	Lipid raft-mediated Fas/CD95 apoptotic signaling in leukemic cells and normal leukocytes and therapeutic implications. 2015 , 98, 739-59	30
956	A hepatic amino acid/mTOR/S6K-dependent signalling pathway modulates systemic lipid metabolism via neuronal signals. 2015 , 6, 7940	37
955	Studying polyglutamine diseases in <i>Drosophila</i> . 2015 , 274, 25-41	23
954	Lithium protects against methamphetamine-induced neurotoxicity in PC12 cells via Akt/GSK3 β /mTOR pathway. 2015 , 465, 368-73	24
953	Metabolic regulation of T cell differentiation and function. 2015 , 68, 497-506	28
952	PtdIns(3,4,5)P3-Dependent Activation of the mTORC2 Kinase Complex. 2015 , 5, 1194-209	220
951	Dipeptide species regulate p38MAPK-Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. 2015 , 6, 8039	40
950	Diacylglycerol kinase- β regulates mTORC1 and lipogenic metabolism in cancer cells through SREBP-1. 2015 , 4, e164	22
949	Loss of the RNA polymerase III repressor MAF1 confers obesity resistance. 2015 , 29, 934-47	70
948	mTOR and post-translational modifications rely on mitochondrion as the arsenal for cellular metabolism regulation. 2015 , 58, 810-2	1
947	Aschantin targeting on the kinase domain of mammalian target of rapamycin suppresses epidermal growth factor-induced neoplastic cell transformation. 2015 , 36, 1223-34	12

946	Rapamycin Suppresses Tumor Growth and Alters the Metabolic Phenotype in T-Cell Lymphoma. 2015 , 135, 2301-2308	17
945	Gadd45 Proteins in Aging and Longevity of Mammals and Drosophila. 2015 , 39-65	2
944	A Nampt inhibitor FK866 mimics vitamin B3 deficiency by causing senescence of human fibroblastic Hs68 cells via attenuation of NAD(+)-SIRT1 signaling. 2015 , 16, 789-800	13
943	Rapamycin increases fetal hemoglobin and ameliorates the nociception phenotype in sickle cell mice. 2015 , 55, 363-72	23
942	Inflammasome, mTORC1 activation, and metabolic derangement contribute to the susceptibility of diabetics to infections. 2015 , 85, 997-1001	11
941	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. 2015 , 6, 8261	60
940	Interaction of polyamines and mTOR signaling in the synthesis of antizyme (AZ). 2015 , 27, 1850-9	12
939	TCR signaling to NF- κ B and mTORC1: Expanding roles of the CARMA1 complex. 2015 , 68, 546-57	14
938	A-Raf: A new star of the family of raf kinases. 2015 , 50, 520-31	25
937	Cell death induced by ozone and various non-thermal plasmas: therapeutic perspectives and limitations. 2014 , 4, 7129	47
936	Stress-mediated translational control in cancer cells. 2015 , 1849, 845-60	77
935	SDF-1/CXCL12 induces directional cell migration and spontaneous metastasis via a CXCR4/G β /mTORC1 axis. 2015 , 29, 1056-68	52
934	Branched Chain Amino Acids in Inherited Muscle Disease: The Case of Duchenne Muscular Dystrophy. 2015 , 277-287	
933	The dual mTORC1 and mTORC2 inhibitor PP242 shows strong antitumor activity in a pheochromocytoma PC12 cell tumor model. 2015 , 85, 273.e1-7	8
932	Regulation of T cells by mTOR: the known knowns and the known unknowns. 2015 , 36, 13-20	118
931	Key autophagic targets and relevant small-molecule compounds in cancer therapy. 2015 , 48, 7-16	12
930	Translational control by oncogenic signaling pathways. 2015 , 1849, 753-65	35
929	The ShcA adaptor activates AKT signaling to potentiate breast tumor angiogenesis by stimulating VEGF mRNA translation in a 4E-BP-dependent manner. 2015 , 34, 1729-35	18

928	Aberrant mTOR activation in senescence and aging: A mitochondrial stress response?. 2015 , 68, 66-70	50
927	Restriction on an energy-dense diet improves markers of metabolic health and cellular aging in mice through decreasing hepatic mTOR activity. 2015 , 18, 30-9	14
926	Target of rapamycin (TOR) in <i>Fenneropenaeus chinensis</i> : cDNA cloning, characterization, tissue expression and response to amino acids. 2015 , 21, 1-9	13
925	Therapeutic targeting of autophagy in cancer. Part I: molecular pathways controlling autophagy. 2015 , 31, 89-98	36
924	Effect of everolimus on the immunomodulation of the human neutrophil inflammatory response and activation. 2015 , 12, 40-52	32
923	Phosphatidylinositol 3-Kinase (PI3K) and phosphatidylinositol 3-kinase-related kinase (PIKK) inhibitors: importance of the morpholine ring. 2015 , 58, 41-71	101
922	mTORC1-mediated translational elongation limits intestinal tumour initiation and growth. 2015 , 517, 497-500	190
921	mTOR regulate EMT through RhoA and Rac1 pathway in prostate cancer. 2015 , 54, 1086-95	45
920	Autophagy response: manipulating the mTOR-controlled machinery by amino acids and pathogens. 2015 , 47, 2101-12	11
919	Branched Chain Amino Acids in Clinical Nutrition. 2015 ,	4
918	Changes in Brain 14-3-3 Proteins in Response to Insulin Resistance Induced by a High Palatable Diet. 2015 , 52, 710-8	3
917	Metformin decreases IL-22 secretion to suppress tumor growth in an orthotopic mouse model of hepatocellular carcinoma. 2015 , 136, 2556-65	52
916	WNT signaling: an emerging mediator of cancer cell metabolism?. 2015 , 35, 2-10	106
915	The mTOR signaling pathway as a treatment target for intracranial neoplasms. 2015 , 17, 189-99	35
914	The Warburg effect revisited--lesson from the Sertoli cell. 2015 , 35, 126-51	96
913	Loss of Tribbles pseudokinase-3 promotes Akt-driven tumorigenesis via FOXO inactivation. 2015 , 22, 131-44	60
912	Targeting the genetic alterations of the PI3K-AKT-mTOR pathway: its potential use in the treatment of bladder cancers. 2015 , 145, 1-18	65
911	Current understanding of sarcopenia: possible candidates modulating muscle mass. 2015 , 467, 213-29	77

910	Key Genes in Prostate Cancer Progression: Role of MDM2, PTEN, and TMPRSS2-ERG Fusions. 2016,	
909	Targeting Autophagy in Glioblastoma. 2016, 21, 241-252	13
908	. 2016,	6
907	mTOR: An attractive therapeutic target for osteosarcoma?. 2016, 7, 50805-50813	29
906	Effects of Metformin and a Mammalian Target of Rapamycin (mTOR) ATP-Competitive Inhibitor on Targeted Metabolomics in Pancreatic Cancer Cell Line. 2016, 6,	10
905	mTOR and Neuroinflammation. 2016, 317-329	4
904	Cardiovascular Complications from Cancer Therapy. 2016, 185-211	
903	mTOR in Diabetic Nephropathy and Retinopathy. 2016, 379-393	2
902	From Nutrient to MicroRNA: a Novel Insight into Cell Signaling Involved in Skeletal Muscle Development and Disease. 2016, 12, 1247-1261	15
901	To Excavate Biomarkers Predictive of the Response for Capecitabine plus RAD001 through Nanostring-Based Multigene Assay in Advanced Gastric Cancer Patients. 2016, 7, 2173-2178	1
900	Overview of Autophagy. 2016, 3-84	
899	Overview of Autophagy. 2016, 1-71	
898	The Evolving Functions of Autophagy in Ocular Health: A Double-edged Sword. 2016, 12, 1332-1340	42
897	Computational drugs repositioning identifies inhibitors of oncogenic PI3K/AKT/P70S6K-dependent pathways among FDA-approved compounds. 2016, 7, 58743-58758	26
896	Deep Blue "Seq": Fishing for Epilepsy Genes. 2016, 16, 110-1	
895	mTOR inhibitors in cancer therapy. 2016, 5,	176
894	Metabolic Shunt Pathways, Carcinoma, and mTOR. 2016, 429-438	
893	Superior efficacy of co-treatment with the dual PI3K/mTOR inhibitor BEZ235 and histone deacetylase inhibitor Trichostatin A against NSCLC. 2016, 7, 60169-60180	25

892	mTOR, Nutrition, and Aging. 2016 , 141-154	2
891	Downregulation of p70S6K Enhances Cell Sensitivity to Rapamycin in Esophageal Squamous Cell Carcinoma. 2016 , 2016, 7828916	9
890	Dietary Fructose Activates Insulin Signaling and Inflammation in Adipose Tissue: Modulatory Role of Resveratrol. 2016 , 2016, 8014252	36
889	Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. 2016 , 5, e12204	58
888	Insulin-Sensitizers, Polycystic Ovary Syndrome and Gynaecological Cancer Risk. 2016 , 2016, 8671762	18
887	mTOR, Autophagy, Aminoacidopathies, and Human Genetic Disorders. 2016 , 143-166	0
886	Roles of Mechanistic Target of Rapamycin in the Adaptive and Innate Immune Systems. 2016 , 277-292	
885	Role of Mitochondrial DNA Copy Number Alteration in Human Renal Cell Carcinoma. 2016 , 17,	35
884	The Autophagic Machinery in Enterovirus Infection. 2016 , 8,	22
883	Staphylococcal Superantigens Spark Host-Mediated Danger Signals. 2016 , 7, 23	23
882	Mammalian Target of Rapamycin: Its Role in Early Neural Development and in Adult and Aged Brain Function. 2016 , 10, 157	52
881	Wnt5a Signaling in Cancer. 2016 , 8,	129
880	Ambient Technology to Assist Elderly People in Indoor Risks. 2016 , 5, 22	12
879	Sirolimus and Everolimus Pathway: Reviewing Candidate Genes Influencing Their Intracellular Effects. 2016 , 17,	26
878	Knockdown of AMPK α Promotes Pulmonary Arterial Smooth Muscle Cells Proliferation via mTOR/Skp2/p27(Kip1) Signaling Pathway. 2016 , 17,	11
877	Olive Oil and the Hallmarks of Aging. 2016 , 21, 163	39
876	Compound Library Screening Identified Cardiac Glycoside Digitoxin as an Effective Growth Inhibitor of Gefitinib-Resistant Non-Small Cell Lung Cancer via Downregulation of β Tubulin and Inhibition of Microtubule Formation. 2016 , 21, 374	20
875	Premenopausal Obesity and Breast Cancer Growth Rates in a Rodent Model. 2016 , 8, 214	4

874	Chemopreventive Effect of Dietary Glutamine on Colitis-Associated Colorectal Cancer Is Associated with Modulation of the DEPTOR/mTOR Signaling Pathway. 2016 , 8,	5
873	The Emerging Role of Branched-Chain Amino Acids in Insulin Resistance and Metabolism. 2016 , 8,	181
872	Unexploited Antineoplastic Effects of Commercially Available Anti-Diabetic Drugs. 2016 , 9,	15
871	Women with TSC: Relationship between Clinical, Lung Function and Radiological Features in a Genotyped Population Investigated for Lymphangiomyomatosis. 2016 , 11, e0155331	13
870	Mammalian Target of Rapamycin (mTOR), Aging, Neuroscience, and Their Association with Aging-Related Diseases. 2016 , 185-203	
869	Commentary: Overcoming mTOR resistance mutations with a new-generation mTOR inhibitor. 2016 , 7, 431	3
868	The Inositide Signaling Pathway As a Target for Treating Gastric Cancer and Colorectal Cancer. 2016 , 7, 168	10
867	PI3K-Akt-mTOR signal inhibition affects expression of genes related to endoplasmic reticulum stress. 2016 , 15,	13
866	New Frontiers in Cancer Chemotherapy Targeting Cell Death Pathways. 2016 ,	5
865	PI3K/Akt promotes feedforward mTORC2 activation through IKK β . 2016 , 7, 21064-75	34
864	LncRNA ANRIL is up-regulated in nasopharyngeal carcinoma and promotes the cancer progression via increasing proliferation, reprogramming cell glucose metabolism and inducing side-population stem-like cancer cells. 2016 , 7, 61741-61754	113
863	The importance of the PI3K/AKT/mTOR signaling pathway in canine neoplasms: Literature review. 2016 , 48, 139-143	2
862	New perspectives on the use of mTOR inhibitors in allogeneic haematopoietic stem cell transplantation and graft-versus-host disease. 2016 , 82, 1171-1179	21
861	What is the best immunosuppressant combination in terms of antitumor effect in hepatocellular carcinoma?. 2016 , 46, 593-600	6
860	Hepatic mTORC1 Opposes Impaired Insulin Action to Control Mitochondrial Metabolism in Obesity. 2016 , 16, 508-519	24
859	In vitro and in vivo inhibition of mTOR by 1,25-dihydroxyvitamin D to improve early diabetic nephropathy via the DDIT4/TSC2/mTOR pathway. 2016 , 54, 348-359	28
858	Targeting mTOR for the treatment of B cell malignancies. 2016 , 82, 1213-1228	29
857	Overexpression of p53 Improves Blood Glucose Control in an Insulin Resistant Diabetic Mouse Model. 2016 , 45, 1010-7	8

856	Targeting molecules to medicine with mTOR, autophagy and neurodegenerative disorders. 2016 , 82, 1245-1266	111
855	CAMKK2, Regulated by Promoter Methylation, is a Prognostic Marker in Diffuse Gliomas. 2016 , 22, 518-24	12
854	Regulation of Cellular Metabolism and Hypoxia by p53. 2016 , 6,	85
853	In situ characterization of the mTORC1 during adipogenesis of human adult stem cells on chip. 2016 , 113, E4143-50	21
852	TAK-228 (formerly MLN0128), an investigational oral dual TORC1/2 inhibitor: A phase I dose escalation study in patients with relapsed or refractory multiple myeloma, non-Hodgkin lymphoma, or Waldenström's macroglobulinemia. 2016 , 91, 400-5	73
851	Genome-wide gene expression and DNA methylation differences in abnormally cloned and normally natural mating piglets. 2016 , 47, 436-50	8
850	Wild-type phosphatase and tensin homolog deleted on chromosome 10 improved the sensitivity of cells to rapamycin through regulating phosphorylation of Akt in esophageal squamous cell carcinoma. 2017 , 30, 1-8	1
849	Ubiquitin regulates TORC1 in yeast <i>Saccharomyces cerevisiae</i> . 2016 , 100, 303-14	6
848	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. 2016 , 594, 745-61	57
847	Translational control by mTOR-independent routes: how eIF6 organizes metabolism. 2016 , 44, 1667-1673	14
846	The tumor suppressor FLCN mediates an alternate mTOR pathway to regulate browning of adipose tissue. 2016 , 30, 2551-2564	71
845	TSC but not PTEN loss in starving cones of retinitis pigmentosa mice leads to an autophagy defect and mTORC1 dissociation from the lysosome. 2016 , 7, e2279	13
844	4.4 Å Resolution Cryo-EM structure of human mTOR Complex 1. 2016 , 7, 878-887	56
843	Simulated Microgravity and 3D Culture Enhance Induction, Viability, Proliferation and Differentiation of Cardiac Progenitors from Human Pluripotent Stem Cells. 2016 , 6, 30956	49
842	PLD1 regulates adipogenic differentiation through mTOR - IRS-1 phosphorylation at serine 636/639. 2016 , 6, 36968	13
841	Dietary Protein Intake and Type 2 Diabetes Among Women and Men in Northeast China. 2016 , 6, 37604	13
840	Increased DNA methylation variability in type 1 diabetes across three immune effector cell types. 2016 , 7, 13555	95
839	Clinical Insights Into the Biology and Treatment of Pancreatic Cancer. 2016 , 12, 17-23	12

838	Rapamycin inhibits transforming growth factor beta 1 induced myofibroblast differentiation via the phosphorylated-phosphatidylinositol 3-kinase mammalian target of rapamycin signal pathways in nasal polyp-derived fibroblasts. 2016 , 30, 211-217	8
837	Chitosan oligosaccharide affects antioxidant defense capacity and placental amino acids transport of sows. 2016 , 12, 243	54
836	Cul1 promotes melanoma cell proliferation by promoting DEPTOR degradation and enhancing cap-dependent translation. 2016 , 35, 1049-56	8
835	Lysosomal recruitment of TSC2 is a universal response to cellular stress. 2016 , 7, 10662	91
834	eIF4A inactivates TORC1 in response to amino acid starvation. 2016 , 35, 1058-76	15
833	mTOR signaling pathway is inhibited downstream of the cyclophilin D-mediated mitochondrial permeability transition in honokiol-triggered regulated necrosis. 2016 , 13, 3227-35	4
832	Metabolic Regulation. 2016 , 288-297	2
831	mTOR downstream effectors, 4EBP1 and eIF4E, are overexpressed and associated with HPV status in precancerous lesions and carcinomas of the uterine cervix. 2016 , 12, 3234-3240	12
830	Metabolic Reprogramming by Hexosamine Biosynthetic and Golgi N-Glycan Branching Pathways. 2016 , 6, 23043	52
829	The 4E-BP-eIF4E axis promotes rapamycin-sensitive growth and proliferation in lymphocytes. 2016 , 9, ra57	43
828	The mTOR Complex Controls HIV Latency. 2016 , 20, 785-797	115
827	The NAD World 2.0: the importance of the inter-tissue communication mediated by NAMPT/NAD/SIRT1 in mammalian aging and longevity control. 2016 , 2, 16018	44
826	Signals and Receptors. 2016 , 8, a005900	50
825	Regulation of TORC1 by ubiquitin through non-covalent binding. 2016 , 62, 553-5	8
824	Spatio-Temporal Parameters of Endosomal Signaling in Cancer: Implications for New Treatment Options. 2016 , 117, 836-43	15
823	mTOR pathway inhibition as a new therapeutic strategy in epilepsy and epileptogenesis. 2016 , 107, 333-343	109
822	Mitochondrial stress induces cellular senescence in an mTORC1-dependent manner. 2016 , 95, 133-54	29
821	Growth attenuation is associated with histone deacetylase 10-induced autophagy in the liver. 2016 , 27, 171-80	12

820	Neurofibromatosis type 1 associated low grade gliomas: A comparison with sporadic low grade gliomas. 2016 , 104, 30-41	53
819	Inhibition of Rb Phosphorylation Leads to mTORC2-Mediated Activation of Akt. 2016 , 62, 929-942	66
818	Growth hormone is permissive for neoplastic colon growth. 2016 , 113, E3250-9	52
817	MicroRNA-214 Reduces Insulin-like Growth Factor-1 (IGF-1) Receptor Expression and Downstream mTORC1 Signaling in Renal Carcinoma Cells. 2016 , 291, 14662-76	30
816	Targeting translation: eIF4E as an emerging anticancer drug target. 2016 , 18, e2	31
815	Focused screening of mitochondrial metabolism reveals a crucial role for a tumor suppressor Hbp1 in ovarian reserve. 2016 , 23, 1602-14	19
814	CXCR2 Inhibition in Human Pluripotent Stem Cells Induces Predominant Differentiation to Mesoderm and Endoderm Through Repression of mTOR, β Catenin, and hTERT Activities. 2016 , 25, 1006-19	17
813	A lysosome-centered view of nutrient homeostasis. 2016 , 12, 619-31	61
812	Hydrophobic motif site-phosphorylated protein kinase CII between mTORC2 and Akt regulates high glucose-induced mesangial cell hypertrophy. 2016 , 310, C583-96	14
811	Comparison of 11C-4DST and 18F-FDG PET/CT imaging for advanced renal cell carcinoma: preliminary study. 2016 , 41, 521-30	9
810	Metabolic abnormalities induced by mitochondrial dysfunction in skeletal muscle of the renal carcinoma Eker (TSC2+/-) rat model. 2016 , 80, 1513-9	2
809	Induction of protective autophagy against apoptosis in HepG2 cells by isoniazid independent of the p38 signaling pathway. 2016 , 5, 963-972	4
808	Cellular Homeostasis and Aging. 2016 , 85, 1-4	70
807	Hepatic fatty acid biosynthesis is more responsive to protein than carbohydrate in rainbow trout during acute stimulations. 2016 , 310, R74-86	11
806	S6K1 Phosphorylation of H2B Mediates EZH2 Trimethylation of H3: A Determinant of Early Adipogenesis. 2016 , 62, 443-452	49
805	Targeting Cancer Cell Death with Small Molecule Agents for Potential Therapeutics. 2016 , 211-230	
804	Pulsatile delivery of a leucine supplement during long-term continuous enteral feeding enhances lean growth in term neonatal pigs. 2016 , 310, E699-E713	10
803	Palmitate-induced changes in energy demand cause reallocation of ATP supply in rat and human skeletal muscle cells. 2016 , 1857, 1403-1411	13

802	TORC2 Structure and Function. 2016 , 41, 532-545	127
801	Formin 1 Regulates Microtubule and F-Actin Organization to Support Spermatid Transport During Spermatogenesis in the Rat Testis. 2016 , 157, 2894-908	21
800	Reduced-representation Phosphosignatures Measured by Quantitative Targeted MS Capture Cellular States and Enable Large-scale Comparison of Drug-induced Phenotypes. 2016 , 15, 1622-41	69
799	New frontiers in translational control of the cancer genome. 2016 , 16, 288-304	192
798	Apoptosis Methods in Toxicology. 2016 ,	1
797	Discovery of (S)-4-isobutyloxazolidin-2-one as a novel leucyl-tRNA synthetase (LRS)-targeted mTORC1 inhibitor. 2016 , 26, 3038-3041	11
796	PRICKLE1 Contributes to Cancer Cell Dissemination through Its Interaction with mTORC2. 2016 , 37, 311-325	32
795	Codon optimality controls differential mRNA translation during amino acid starvation. 2016 , 22, 1719-1727	29
794	Immunological Analyses of Leukemia Stem Cells. 2016 , 1465, 37-45	
793	Ataxin-1 regulates the cerebellar bioenergetics proteome through the GSK3 β /mTOR pathway which is altered in Spinocerebellar ataxia type 1 (SCA1). 2016 , 25, 4021-4040	35
792	mTORC1 Activation Promotes Spermatogonial Differentiation and Causes Subfertility in Mice. 2016 , 95, 97	16
791	mTORC1 is a critical mediator of oncogenic Semaphorin3A signaling. 2016 , 476, 475-480	7
790	Tumor-Intrinsic PD-L1 Signals Regulate Cell Growth, Pathogenesis, and Autophagy in Ovarian Cancer and Melanoma. 2016 , 76, 6964-6974	200
789	Autophagy: A boon or bane in oral cancer. 2016 , 61, 120-6	17
788	Neural Progenitor Cells Rptor Ablation Impairs Development but Benefits to Seizure-Induced Behavioral Abnormalities. 2016 , 22, 1000-1008	3
787	Gene expression profile analysis in response to α -2-fucosyl transferase (FUT1) gene transfection in epithelial ovarian carcinoma cells. 2016 , 37, 12251-12262	4
786	Sensing the Environment Through Sestrins: Implications for Cellular Metabolism. 2016 , 327, 1-42	23
785	CD146 is a novel marker for highly tumorigenic cells and a potential therapeutic target in malignant rhabdoid tumor. 2016 , 35, 5317-5327	15

784	Aspirin may inhibit angiogenesis and induce autophagy by inhibiting mTOR signaling pathway in murine hepatocarcinoma and sarcoma models. 2016 , 12, 2804-2810	25
783	MEK and TAK1 Regulate Apoptosis in Colon Cancer Cells with KRAS-Dependent Activation of Proinflammatory Signaling. 2016 , 14, 1204-1216	9
782	Gene expression profiling of CD8 T cells induced by ovarian cancer cells suggests a possible mechanism for CD8 Treg cell production. 2016 , 49, 669-677	6
781	A chemogenomic approach to understand the antifungal action of Lichen-derived vulpinic acid. 2016 , 121, 1580-1591	5
780	Mechanism of arginine sensing by CASTOR1 upstream of mTORC1. 2016 , 536, 229-33	164
779	FNDC5 Alleviates Hepatosteatorosis by Restoring AMPK/mTOR-Mediated Autophagy, Fatty Acid Oxidation, and Lipogenesis in Mice. 2016 , 65, 3262-3275	78
778	mTOR signaling in osteosarcoma: Oncogenesis and therapeutic aspects (Review). 2016 , 36, 1219-25	53
777	Von Hippel-Lindau tumor suppressor (VHL) stimulates TOR signaling by interacting with phosphoinositide 3-kinase (PI3K). 2020 , 295, 2336-2347	2
776	The Emerging Role of Sestrin2 in Cell Metabolism, and Cardiovascular and Age-Related Diseases. 2020 , 11, 154-163	24
775	Glucose-lowering effect of powder on streptozotocin-induced diabetes through the AKT/mTOR pathway. 2020 , 8, 402-409	12
774	LATS suppresses mTORC1 activity to directly coordinate Hippo and mTORC1 pathways in growth control. 2020 , 22, 246-256	27
773	Rapamycin prevents retinal neovascularization by downregulation of cyclin D1 in a mouse model of oxygen-induced retinopathy. 2020 , 20, 44	2
772	TRP Channels as Interior Designers: Remodeling the Endolysosomal Compartment in Natural Killer Cells. 2020 , 11, 753	8
771	p-Coumaric acid prevents obesity via activating thermogenesis in brown adipose tissue mediated by mTORC1-RPS6. 2020 , 34, 7810-7824	13
770	The Regulatory Effects of mTOR Complexes in the Differentiation and Function of CD4 T Cell Subsets. 2020 , 2020, 3406032	13
769	Amino Acids as Regulators of Cell Metabolism. 2020 , 85, 393-408	6
768	Rheb1-Independent Activation of mTORC1 in Mammary Tumors Occurs through Activating Mutations in mTOR. 2020 , 31, 107571	4
767	Insulin Function in Peripheral Taste Organ Homeostasis. 2020 , 7, 168-173	

766	Liver X receptor activation induces podocyte injury via inhibiting autophagic activity. 2020 , 76, 317-328	3
765	Transgenic expression of Sag/Rbx2 E3 causes early stage tumor promotion, late stage cytogenesis and acinar loss in the Kras-PDAC model. 2020 , 22, 242-252	1
764	Emerging connections between oxidative stress, defective proteolysis, and metabolic diseases. 2020 , 54, 931-946	7
763	Association between type 2 diabetes and cancer incidence in China: data in hospitalized patients from 2006 to 2013. 2020 , 8, 176	2
762	The Treatment of Impaired Wound Healing in Diabetes: Looking among Old Drugs. 2020 , 13,	45
761	TNFAIP8L2/TIPE2 impairs autolysosome reformation via modulating the RAC1-MTORC1 axis. 2021 , 17, 1410-1425	5
760	Unbiased approach for the identification of molecular mechanisms sensitive to chemical exposures. 2021 , 262, 128362	9
759	Current updates and future perspectives on the management of renal cell carcinoma. 2021 , 264, 118632	10
758	Lysosomal Acid Lipase Deficiency Controls T- and B-Regulatory Cell Homeostasis in the Lymph Nodes of Mice with Human Cancer Xenotransplants. 2021 , 191, 353-367	2
757	Light-emitting diode irradiation induces AKT/mTOR-mediated apoptosis in human pancreatic cancer cells and xenograft mouse model. 2021 , 236, 1362-1374	2
756	Baicalin attenuated Mycoplasma gallisepticum-induced immune impairment in chicken bursa of fabricius through modulation of autophagy and inhibited inflammation and apoptosis. 2021 , 101, 880-890	15
755	Miconazole induces protective autophagy in bladder cancer cells. 2021 , 36, 185-193	4
754	Correlation and causation between the intestinal microbiome and male morphotypes in the giant freshwater prawn Macrobrachium rosenbergii. 2021 , 531, 735936	2
753	Roadblocks and fast tracks: How RNA binding proteins affect the viral RNA journey in the cell. 2021 , 111, 86-100	5
752	Neuroprotection against cerebral ischemia/reperfusion by dietary phytochemical extracts from Tibetan turnip (Brassica rapa L.). 2021 , 265, 113410	4
751	Gas6 or Mer deficiency ameliorates silica-induced autophagosomes accumulation in mice lung. 2021 , 337, 28-37	2
750	Neuroblast senescence in the aged brain augments natural killer cell cytotoxicity leading to impaired neurogenesis and cognition. 2021 , 24, 61-73	32
749	Sestrin is a key regulator of stem cell function and lifespan in response to dietary amino acids. 2021 , 1, 60-72	11

748	Terpenoids from <i>Azadirachta indica</i> are potent inhibitors of Akt: Validation of the anticancer potentials in hepatocellular carcinoma in male Wistar rats. 2021 , 45, e13559	3
747	Unraveling the multifaceted nature of the nuclear function of mTOR. 2021 , 1868, 118907	4
746	Curcumin represses mTORC1 signaling in Caco-2 cells by a two-sided mechanism involving the loss of IRS-1 and activation of AMPK. 2021 , 78, 109842	6
745	Proper mTORC1 Activity Is Required for Glucose Sensing and Early Adaptation in Human Pancreatic Cells. 2021 , 106, e562-e572	3
744	Targeting mTOR by CZ415 Suppresses Cell Proliferation and Promotes Apoptosis via Lipin-1 in Cervical Cancer In Vitro and In Vivo. 2021 , 28, 524-531	1
743	Novel protocol for reversing prediabetes and diabetes without medications: The 3-hour post-meal glucose testing. 2021 , 14, 1-4	
742	Autophagy in Cellular Stress Responses. 2021 , 133-154	
741	Immunosuppressive Drugs. 2021 ,	
740	Birt-Hogg-Dub Syndrome. 2021 , 139-160	
739	Luminal A breast cancer resistance mechanisms and emerging treatments. 2021 , 1-22	1
738	The molecular mechanisms supporting the homeostasis and activation of dendritic epidermal T cell and its role in promoting wound healing. 2021 , 9, tkab009	4
737	Overview of glioblastoma biological hallmarks and molecular pathology. 2021 , 1-15	
736	Genome-wide miRNA expression profiling in potato (<i>L.</i>) reveals TOR-dependent post-transcriptional gene regulatory networks in diverse metabolic pathway. 2021 , 9, e10704	3
735	Exercise-Mediated Autophagy and Brain Aging. 2021 , 103-125	
734	Autophagy-mediated tumor cell survival and progression of breast cancer metastasis to the brain. 2021 , 12, 954-964	8
733	Metformin: a novel promising option for fertility preservation during cyclophosphamide-based chemotherapy. 2021 , 27,	1
732	Metabolic Stress and Immunity: Nutrient-Sensing Kinases and Tryptophan Metabolism. 2021 , 1275, 395-405	
731	Delivery of novel coumarin-dihydropyrimidinone conjugates through mixed polymeric nanoparticles to potentiate therapeutic efficacy against triple-negative breast cancer. 2021 , 9, 5665-5690	1

730	Potent antitumour of the mTORC1/2 dual inhibitor AZD2014 in docetaxel-sensitive and docetaxel-resistant castration-resistant prostate cancer cells. 2021 , 25, 2436-2449	7
729	DDIT4 overexpression associates with poor prognosis in lung adenocarcinoma. 2021 , 12, 6422-6428	1
728	Comparing mTOR inhibitor Rapamycin with Torin-2 within the RIST molecular-targeted regimen in neuroblastoma cells. 2021 , 18, 137-149	4
727	Downregulation of miR-96-5p Inhibits mTOR/NF- κ B Signaling Pathway via DEPTOR in Allergic Rhinitis. 2021 , 182, 210-219	0
726	Potential roles of mediator Complex Subunit 13 in Cardiac Diseases. 2021 , 17, 328-338	0
725	MiR-22 modulates brown adipocyte thermogenesis by synergistically activating the glycolytic and mTORC1 signaling pathways. 2021 , 11, 3607-3623	3
724	Bioactive lipids in cancers. 2021 , 31-45	
723	Advantages of Metformin Therapy for the Prevention and Mitigation of Diabetic Foot Ulcer in Patients With Diabetic Kidney Disease: A Real-World Evidence From Large-Scale Cohort.	
722	Overview of noncanonical autophagy. 2021 , 41-67	
721	LY3214996 relieves acquired resistance to sorafenib in hepatocellular carcinoma cells. 2021 , 18, 1456-1464	8
720	Maf1 limits RNA polymerase III-directed transcription to preserve genomic integrity and extend lifespan. 2021 , 20, 247-255	4
719	Cancer Risk in Normal Weight Individuals with Metabolic Obesity: A Narrative Review. 2021 , 14, 509-520	7
718	Neural signaling modulates metabolism of gastric cancer. 2021 , 24, 102091	6
717	Monitoring Phosphoinositide Fluxes and Effectors During Leukocyte Chemotaxis and Phagocytosis. 2021 , 9, 626136	3
716	Effects of Vitamin D Supplementation on CD4 T Cell Subsets and mTOR Signaling Pathway in High-Fat-Diet-Induced Obese Mice. 2021 , 13,	3
715	Disruption of morphogenic and growth pathways in lysosomal storage diseases. 2021 , 13, e1521	1
714	Development and Validation of an LC-MS/MS Method for AC1LPSZG and Pharmacokinetics Application in Rats. 2021 ,	0
713	MAPK4 promotes prostate cancer by concerted activation of androgen receptor and AKT. 2021 , 131,	10

712	The role of extracellular vesicles in podocyte autophagy in kidney disease. 2021 , 15, 299-316	2
711	The Role of Autophagy in Eye Diseases. 2021 , 11,	7
710	Fascinating Chemopreventive Story of Wogonin: A Chance to Hit on the Head in Cancer Treatment. 2021 , 27, 467-478	5
709	Antivirals against human polyomaviruses: Leaving no stone unturned. 2021 , 31, e2220	2
708	Autophagy and Cancer Dormancy. 2021 , 11, 627023	13
707	Autophagy mediated lipid catabolism facilitates glioma progression to overcome bioenergetic crisis. 2021 , 124, 1711-1723	3
706	A theoretical insight in interactions of some chemical compounds as mTOR inhibitors. 2021 , 45,	2
705	Lifetime Impact of Cow's Milk on Overactivation of mTORC1: From Fetal to Childhood Overgrowth, Acne, Diabetes, Cancers, and Neurodegeneration. 2021 , 11,	3
704	Cachexia as Evidence of the Mechanisms of Resistance and Tolerance during the Evolution of Cancer Disease. 2021 , 22,	7
703	Wnt5a: A promising therapeutic target in ovarian cancer. 2021 , 219, 153348	2
702	Therapeutic Potential of AAV1-Rheb(S16H) Transduction against Neurodegenerative Diseases. 2021 , 22,	1
701	Regulation of DNA duplication by the mTOR signaling pathway. 2021 , 20, 742-751	1
700	Transcription Factors Associated With IL-15 Cytokine Signaling During NK Cell Development. 2021 , 12, 610789	5
699	The Effects of Quercetin on the Apoptosis of Human Breast Cancer Cell Lines MCF-7 and MDA-MB-231: A Systematic Review. 2021 , 1-18	2
698	Effects of L-Glutamine Supplementation during the Gestation of Gilts and Sows on the Offspring Development in a Traditional Swine Breed. 2021 , 11,	1
697	T cells: a dedicated effector kinase pathways for every trait?. 2021 , 478, 1303-1307	
696	Fumonisin B1 induces nephrotoxicity via autophagy mediated by mTORC1 instead of mTORC2 in human renal tubule epithelial cells. 2021 , 149, 112037	5
695	HDAC6 inhibitor WT161 performs anti-tumor effect on osteosarcoma and synergistically interacts with 5-FU. 2021 , 41,	2

694	Signal transduction associated with lead-induced neurological disorders: A review. 2021 , 150, 112063	9
693	The Anti-Cancer Effects of a Zotarolimus and 5-Fluorouracil Combination Treatment on A549 Cell-Derived Tumors in BALB/c Nude Mice. 2021 , 22,	4
692	Comprehensive Analysis of Cyclin Family Gene Expression in Colon Cancer. 2021 , 11, 674394	6
691	Rapalogs downmodulate intrinsic immunity and promote cell entry of SARS-CoV-2. 2021 ,	3
690	The Spectrum of DEPDC5-Related Epilepsy.	
689	Inhibition of Autophagy at Different Stages by ATG5 Knockdown and Chloroquine Supplementation Enhances Consistent Human Disc Cellular Apoptosis and Senescence Induction rather than Extracellular Matrix Catabolism. 2021 , 22,	4
688	Histological and Immunohistochemical Evaluation of Phosphorylated Mechanistic Target of Rapamycin in Canine Skin Tumours. 2021 , 184, 60-64	0
687	Clinical spectrum of MTOR-related hypomelanosis of Ito with neurodevelopmental abnormalities. 2021 , 23, 1484-1491	2
686	The mTOR/NF- κ B Pathway Mediates Neuroinflammation and Synaptic Plasticity in Diabetic Encephalopathy. 2021 , 58, 3848-3862	7
685	Nuclear ErbB2 represses DEPTOR transcription to inhibit autophagy in breast cancer cells. 2021 , 12, 397	0
684	miR-155-5p upregulation ameliorates myocardial insulin resistance via mTOR signaling in chronic alcohol drinking rats. 2021 , 9, e10920	1
683	Autophagy status as a gateway for stress-induced catecholamine interplay in neurodegeneration. 2021 , 123, 238-256	6
682	Melatonin Ameliorates Autophagy Impairment in a Metabolic Syndrome Model. 2021 , 10,	2
681	Pasteurized non-fermented cow's milk but not fermented milk is a promoter of mTORC1-driven aging and increased mortality. 2021 , 67, 101270	5
680	Generation of somatic mitochondrial DNA-replaced cells for mitochondrial dysfunction treatment. 2021 , 11, 10897	4
679	mTOR-Rictor-EGFR axis in oncogenesis and diagnosis of glioblastoma multiforme. 2021 , 48, 4813-4835	5
678	Parental energy-sensing pathways control intergenerational offspring sex determination in the nematode <i>Auanema freiburgensis</i> . 2021 , 19, 102	3
677	TORC1 regulates the transcriptional response to glucose and developmental cycle via the Tap42-Sit4-Rrd1/2 pathway in <i>Saccharomyces cerevisiae</i> . 2021 , 19, 95	2

676	Autophagy as a potential therapeutic target in intervertebral disc degeneration. 2021 , 273, 119266	8
675	1-year outcomes for lung transplantation recipients with non-alcoholic fatty liver disease. 2021 , 7,	
674	Density Fluctuations Yield Distinct Growth and Fitness Effects in Single Bacteria.	1
673	UPLC-Q-TOF/MS based fecal metabolomics reveals the potential anti-diabetic effect of Xiexin Decoction on T2DM rats. 2021 , 1173, 122683	3
672	A conformational change in the N terminus of SLC38A9 signals mTORC1 activation. 2021 , 29, 426-432.e8	2
671	Obesity and aging: Molecular mechanisms and therapeutic approaches. 2021 , 67, 101268	15
670	Advantages of the use of metformin in patients with impaired uric acid metabolism. 2021 , 93,	0
669	Dietary Selenium Regulates microRNAs in Metabolic Disease: Recent Progress. 2021 , 13,	0
668	Targeting RTK-PI3K-mTOR Axis in Gliomas: An Update. 2021 , 22,	18
667	Conditional knockout of Tsc1 in ROR α -expressing cells induces brain damage and early death in mice. 2021 , 18, 107	1
666	Disruption of FOXO3a-miRNA feedback inhibition of IGF2/IGF-1R/IRS1 signaling confers Herceptin resistance in HER2-positive breast cancer. 2021 , 12, 2699	8
665	Suppression of Global Protein Translation in SARS-CoV-2 Infection.	
664	Reciprocal control of translation and transcription in autism spectrum disorder. 2021 , 22, e52110	3
663	Assessment of PI3K/mTOR/AKT Pathway Elements to Serve as Biomarkers and Therapeutic Targets in Penile Cancer. 2021 , 13,	3
662	PI3K/mTOR Dual Inhibitor PF-04691502 Is a Schedule-Dependent Radiosensitizer for Gastroenteropancreatic Neuroendocrine Tumors. 2021 , 10,	2
661	Early Changes in [F]FDG Uptake as a Readout for PI3K/Akt/mTOR Targeted Drugs in HER-2-Positive Cancer Xenografts. 2021 , 2021, 5594514	1
660	PPDPF alleviates hepatic steatosis through inhibition of mTOR signaling. 2021 , 12, 3059	5
659	Beyond mitochondria: Alternative energy-producing pathways from all strata of life. 2021 , 118, 154733	5

658	Opposed Interplay between IDH1 Mutations and the WNT/ β Catenin Pathway: Added Information for Glioma Classification. 2021 , 9,	1
657	Asymmetric cell division shapes naive and virtual memory T-cell immunity during ageing. 2021 , 12, 2715	2
656	A review on molecular mechanism of alcoholic liver disease. 2021 , 274, 119328	6
655	Modulation of intestinal stem cell homeostasis by nutrients: a novel therapeutic option for intestinal diseases. 2021 , 1-9	1
654	Free sialic acid storage disorder: Progress and promise. 2021 , 755, 135896	5
653	HK2 Mediated Glycolytic Metabolism in Mouse Photoreceptors Is Not Required to Cause Late Stage Age-Related Macular Degeneration-Like Pathologies. 2021 , 11,	2
652	Targeting mTOR and Glycolysis in HER2-Positive Breast Cancer. 2021 , 13,	11
651	The Adipose Tissue-Derived Secretome (ADS) in Obesity Uniquely Induces L-Type Amino Acid Transporter 1 (LAT1) and mTOR Signaling in Estrogen-Receptor-Positive Breast Cancer Cells. 2021 , 22,	2
650	Insulin-Like Growth Factor 1 (IGF-1) Signaling in Glucose Metabolism in Colorectal Cancer. 2021 , 22,	16
649	Effect of the lysosomotropic agent chloroquine on mTORC1 activation and protein synthesis in human skeletal muscle. 2021 , 18, 61	0
648	Inflammation, epigenetics, and metabolism converge to cell senescence and ageing: the regulation and intervention. 2021 , 6, 245	25
647	Insulin-like Growth Factor 2 mRNA-Binding Protein 2-a Potential Link Between Type 2 Diabetes Mellitus and Cancer. 2021 , 106, 2807-2818	5
646	Microbes-mediated synthesis strategies of metal nanoparticles and their potential role in cancer therapeutics. 2021 ,	12
645	Phase 0 Clinical Trial of Everolimus in Patients with Vestibular Schwannoma or Meningioma. 2021 , 20, 1584-1591	1
644	In Silico and In Cell Hybrid Selection of Nonrapalog Ligands to Allosterically Inhibit the Kinase Activity of mTORC1. 2021 ,	4
643	Direct P70S6K1 inhibition to replace dexamethasone in synergistic combination with MCL-1 inhibition in multiple myeloma. 2021 , 5, 2593-2607	2
642	Piperine protects against pancreatic β cell dysfunction by alleviating macrophage inflammation in obese mice. 2021 , 274, 119312	6
641	Limited survival and impaired hepatic fasting metabolism in mice with constitutive Rag GTPase signaling. 2021 , 12, 3660	7

640	Lacrimal gland budding requires PI3K-dependent suppression of EGF signaling. 2021 , 7,	1
639	Cancer cell metabolism connects epigenetic modifications to transcriptional regulation. 2021 ,	6
638	CXCL13 promotes intestinal tumorigenesis through the activation of epithelial AKT signaling. 2021 , 511, 1-14	4
637	Body fatness and breast cancer risk in relation to phosphorylated mTOR expression in a sample of predominately Black women. 2021 , 23, 77	
636	Targeting PRAS40: a novel therapeutic strategy for human diseases. 2021 , 29, 703-715	7
635	Ferroptosis Regulation by Nutrient Signalling. 2021 , 1-13	1
634	Heterogeneity and Cancer-Related Features in Lymphangioliomyomatosis Cells and Tissue. 2021 , 19, 1840-1853	0
633	Expanding TOR Complex 2 Signaling: Emerging Regulators and New Connections. 2021 , 9, 713806	1
632	Magnolia officinalis Ameliorates Dehydroepiandrosterone-Induced Polycystic Ovary Syndrome in Rats. 2021 , 16,	1
631	Targeting PI3K-AKT/mTOR signaling in the prevention of autism. 2021 , 147, 105067	10
630	Two human metabolites rescue a <i>C. elegans</i> model of Alzheimer's disease via a cytosolic unfolded protein response. 2021 , 4, 843	1
629	Collagen XVII inhibits breast cancer cell proliferation and growth through deactivation of the AKT/mTOR signaling pathway. 2021 , 16, e0255179	2
628	and Thyroid Tumors. 2021 , 13,	0
627	Inhibition of Rag GTPase signaling in mice suppresses B cell responses and lymphomagenesis with minimal detrimental trade-offs. 2021 , 36, 109372	3
626	PTEN suppresses tumorigenesis by directly dephosphorylating Akt. 2021 , 6, 262	0
625	Inhibition of GSK-3 ameliorates the pathogenesis of Huntington's disease. 2021 , 154, 105336	5
624	Succinylsulfathiazole modulates the mTOR signaling pathway in the liver of c57BL/6 mice via a folate independent mechanism. 2021 , 150, 111387	0
623	mTORC2: The other mTOR in autophagy regulation. 2021 , 20, e13431	7

622	FXR in liver physiology: Multiple faces to regulate liver metabolism. 2021 , 1867, 166133	15
621	Human B Lymphomas Reveal Their Secrets Through Genetic Mouse Models. 2021 , 12, 683597	2
620	Possible Biochemical Processes Underlying the Positive Health Effects of Plant-Based Diets-A Narrative Review. 2021 , 13,	3
619	Potential Prospect of CDK4/6 Inhibitors in Triple-Negative Breast Cancer. 2021 , 13, 5223-5237	6
618	Rapamycin reduces orofacial nociceptive responses and microglial p38 mitogen-activated protein kinase phosphorylation in trigeminal nucleus caudalis in mouse orofacial formalin model. 2021 , 25, 365-374	0
617	Chemical and Structural Strategies to Selectively Target mTOR Kinase. 2021 , 16, 2744-2759	5
616	Advances in EPA-GPLs: Structural features, mechanisms of nutritional functions and sources. 2021 , 114, 521-529	2
615	Inhibitors of the PI3K/Akt/mTOR Pathway in Prostate Cancer Chemoprevention and Intervention. 2021 , 13,	7
614	The role of AMPK/mTOR signaling pathway in anticancer activity of metformin. 2021 , 70, 501-508	5
613	Quantitative Phosphoproteomic Analyses Identify STK11IP as a Lysosome-Specific Substrate of mTORC1 that Regulates Lysosomal Acidification.	0
612	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. 2021 , 11,	2
611	Sirolimus Suppresses Phosphorylation of Cofilin and Reduces Interstitial Septal Thickness in Sporadic Lymphangioliomyomatosis. 2021 , 22,	0
610	Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. 2021 , 36, 109491	0
609	Lipid metabolism and oxidative stress in HPV-related cancers. 2021 , 172, 226-236	6
608	The plasticity of mRNA translation during cancer progression and therapy resistance. 2021 , 21, 558-577	11
607	Synergistic effects of Rapamycin and Fluorouracil to treat a gastric tumor in a PTEN conditional deletion mouse model. 2021 , 1	1
606	Cross talk between autophagy and oncogenic signaling pathways and implications for cancer therapy. 2021 , 1876, 188565	10
605	Sarcopenia; functional concerns, molecular mechanisms involved, and seafood as a nutritional intervention - review article. 2021 , 1-21	1

604	Natural Compounds Attenuate Denervation-Induced Skeletal Muscle Atrophy. 2021 , 22,	0
603	mTOR pathway and DNA damage response: A therapeutic strategy in cancer therapy. 2021 , 104, 103142	2
602	The PI3K/AKT/mTOR signaling pathway inhibitors enhance radiosensitivity in cancer cell lines. 2021 , 48, 1-14	4
601	Leishmania parasite arginine deprivation response pathway influences the host macrophage lysosomal arginine sensing machinery.	0
600	Oxygen in Metabolic Dysfunction and Its Therapeutic Relevance. 2021 , 35, 642-687	0
599	Trehalose activates hepatic transcription factor EB (TFEB) but fails to ameliorate alcohol-impaired TFEB and liver injury in mice. 2021 , 45, 1950-1964	2
598	Cancer and diabetes: the interlinking metabolic pathways and repurposing actions of antidiabetic drugs. 2021 , 21, 499	2
597	Translational Aspects of the Mammalian Target of Rapamycin Complexes in Diabetic Nephropathy. 2021 ,	0
596	tRNA overexpression rescues peripheral neuropathy caused by mutations in tRNA synthetase. 2021 , 373, 1161-1166	8
595	Beta-Cell Dysfunction Induced by Tacrolimus: A Way to Explain Type 2 Diabetes?. 2021 , 22,	0
594	A mechanistic insight into the biological activities of urolithins as gut microbial metabolites of ellagitannins. 2021 ,	7
593	Natural Products in Therapeutic Management of Multineurodegenerative Disorders by Targeting Autophagy. 2021 , 2021, 6347792	1
592	Fission yeast TOR complex 1 phosphorylates Psk1 through an evolutionarily conserved interaction mediated by the TOS motif. 2021 , 134,	0
591	L-type amino acid transporter 1 as a target for inflammatory disease and cancer immunotherapy.. 2022 , 148, 31-40	2
590	Inflammatory Molecular Mediators and Pathways Involved in Vascular Aging and Stroke: A Comprehensive Review. 2021 ,	0
589	Autophagy as a gateway for the effects of methamphetamine: From neurotransmitter release and synaptic plasticity to psychiatric and neurodegenerative disorders. 2021 , 204, 102112	7
588	Active Translation Control of CD4 T Cell Activation by Regulatory T Cells.	0
587	A Mammalian Target of Rapamycin-Perilipin 3 (mTORC1-Plin3) Pathway is essential to Activate Lipophagy and Protects Against Hepatosteatosis. 2021 , 74, 3441-3459	7

- 586 GPR43 Suppresses Intestinal Tumor Growth by Modification of the Mammalian Target of Rapamycin Complex 1 Activity in ApcMin/+ Mice. **2021**,
- 585 Mechanistic insight into high-fat diet-induced metabolic inflammation in the arcuate nucleus of the hypothalamus. **2021**, 142, 112012 1
- 584 The Flagellin:Allergen Fusion Protein rFlaA:Betv1 Induces a MyD88- and MAPK-Dependent Activation of Glucose Metabolism in Macrophages. **2021**, 10, 1
- 583 Diet and redox state in maintaining skeletal muscle health and performance at high altitude. **2021**, 174, 305-320 2
- 582 DEPTOR inhibits lung tumorigenesis by inactivating the EGFR-mTOR signals. **2021**, 519, 263-276 3
- 581 Reactive oxygen species (ROS) in cancer pathogenesis and therapy: An update on the role of ROS in anticancer action of benzophenanthridine alkaloids. **2021**, 143, 112142 6
- 580 Calorie restriction modulates neuro-immune system differently in young and aged rats. **2021**, 100, 108141 0
- 579 Phytochemical based sestrin2 pharmacological modulators in the treatment of adenocarcinomas. **2021**, 1, 100133
- 578 Toxic mechanisms and pharmacological properties of euptox A, a toxic monomer from A. adenophora. **2021**, 155, 105032 5
- 577 Lymphangiomiomatosis. **2022**, 447-465
- 576 Role of autophagy in dysregulation of oral mucosal homeostasis. **2022**, 101-125
- 575 The Protective Role of Sestrin2 in Atherosclerotic and Cardiac Diseases. **2021**, 22, 7
- 574 Diabetes and Cancer: The Epidemiological and Metabolic Associations. **2021**, 1311, 217-227
- 573 Systematic alteration of in vitro metabolic environments reveals empirical growth relationships in cancer cell phenotypes. **2021**, 34, 108647 1
- 572 Role of Genetic Polymorphisms in Breast Cancer. **2021**, 165-190
- 571 The role of long noncoding RNA in lipid, cholesterol, and glucose metabolism and treatment of obesity syndrome. **2021**, 41, 1751-1774 7
- 570 TRIM proteins in development. **2012**, 770, 131-41 17
- 569 The microtubule-associated C-I subfamily of TRIM proteins and the regulation of polarized cell responses. **2012**, 770, 105-18 6

568	Nuclear lamins and oxidative stress in cell proliferation and longevity. 2014 , 773, 415-30	27
567	Cancer metabolism: cross talk between signaling and O-GlcNAcylation. 2014 , 1176, 73-88	8
566	Aberrant Cellular Pathways in PKD. 2018 , 69-86	1
565	Modulating the Proliferative Response to Treat Restenosis After Vascular Injury. 2012 , 227-248	1
564	Network Analysis of Human Disease Comorbidity Patterns Based on Large-Scale Data Mining. 2014 , 243-254	5
563	Human Protein Kinases and Obesity. 2017 , 960, 111-134	14
562	Metabolic Fluxes in Cancer Metabolism. 2015 , 315-348	4
561	Ganglioglioma, mTOR Activation, and Epileptogenesis. 2012 , 147-153	1
560	The New Antigenic Ecospace of the Globalized World and its Impact on the Immune System: The Battleground of Trade-off and Antagonistic Pleiotropy. 2014 , 125-144	1
559	Hepatic, Pancreatic and Biliary Cancers. 2014 , 611-629	1
558	Signaling Pathways in Leukemic Stem Cells. 2019 , 1143, 1-39	5
557	Cullin-RING E3 Ubiquitin Ligase 7 in Growth Control and Cancer. 2020 , 1217, 285-296	6
556	Co-ingestion of protein or a protein hydrolysate with carbohydrate enhances anabolic signaling, but not glycogen resynthesis, following recovery from prolonged aerobic exercise in trained cyclists. 2018 , 118, 349-359	6
555	Introduction to Autophagy. 2014 , 1-36	2
554	Overview of Autophagy. 2016 , 3-73	1
553	Drosophila as a model system for deciphering the 'host physiology-nutrition-microbiome' axis. 2020 , 41, 112-119	2
552	Compassionate use of everolimus for refractory epilepsy in a patient with MTOR mosaic mutation. 2020 , 63, 104036	2
551	Albiflorin ameliorates obesity by inducing thermogenic genes via AMPK and PI3K/AKT in vivo and in vitro. 2017 , 73, 85-99	25

550	Context-Dependent Pharmacological Effects of Metformin on the Immune System. 2020 , 41, 162-171	19
549	Merlin: a tumour suppressor with functions at the cell cortex and in the nucleus.	2
548	The mechanism of hsa-miR-424-5 combining PD-1 through mTORC signaling pathway to stimulate immune effect and participate in Type 1 diabetes. 2020 , 40,	4
547	Altered photoreceptor metabolism in mouse causes late stage age-related macular degeneration-like pathologies. 2020 , 117, 13094-13104	30
546	Differential Expression Analysis for RNAseq using Poisson Mixed Models.	1
545	mTOR-driven widespread exon skipping renders multifaceted gene regulation and proteome complexity.	1
544	TOR coordinates with transcriptional and chromatin machinery to regulate thermotolerance and thermomemory.	2
543	Monomethyl branched-chain fatty acid mediates amino acid sensing by mTORC1.	1
542	Naked mole-rat transcriptome signatures of socially-suppressed sexual maturation and links of reproduction to aging.	2
541	Mesothelioma Interactome with 367 Novel Protein-Protein Interactions.	0
540	mTORC1-Plin3 pathway is essential to activate lipophagy and protects against hepatosteatosis.	1
539	Pharmacological Manipulation of Translation as a Therapeutic Target for Chronic Pain. 2021 , 73, 59-88	8
538	Exophilin-5 regulates allergic airway inflammation by controlling IL-33-mediated Th2 responses. 2020 , 130, 3919-3935	6
537	Getting to the finish line with mTORC1-targeted therapy. 2012 , 122, 1970-2	2
536	Mitochondrial complex I activity and NAD ⁺ /NADH balance regulate breast cancer progression. 2013 , 123, 1068-81	251
535	iNKT cells require TSC1 for terminal maturation and effector lineage fate decisions. 2014 , 124, 1685-98	50
534	Membrane protein CNNM4-dependent Mg ²⁺ efflux suppresses tumor progression. 2014 , 124, 5398-410	66
533	mTORC1 and mTORC2 selectively regulate CD8 ⁺ T cell differentiation. 2015 , 125, 2090-108	233

532	Increased glutamine catabolism mediates bone anabolism in response to WNT signaling. 2015 , 125, 551-62	85
531	Activated mTORC1 promotes long-term cone survival in retinitis pigmentosa mice. 2015 , 125, 1446-58	93
530	Activation of mTORC1 is essential for β -adrenergic stimulation of adipose browning. 2016 , 126, 1704-16	118
529	Mechanistically distinct cancer-associated mTOR activation clusters predict sensitivity to rapamycin. 2016 , 126, 3526-40	69
528	MAPK4 overexpression promotes tumor progression via noncanonical activation of AKT/mTOR signaling. 2019 , 129, 1015-1029	32
527	Sugar and the Mosaic of Autoimmunity. 2019 , 20, 1364-1368	2
526	Management of lymphangioliomyomatosis. 2014 , 6, 116	23
525	Mutations of RagA GTPase in mTORC1 Pathway Are Associated with Autosomal Dominant Cataracts. 2016 , 12, e1006090	15
524	Genome-Wide Interaction Analyses between Genetic Variants and Alcohol Consumption and Smoking for Risk of Colorectal Cancer. 2016 , 12, e1006296	30
523	Calcium signaling is involved in cadmium-induced neuronal apoptosis via induction of reactive oxygen species and activation of MAPK/mTOR network. 2011 , 6, e19052	136
522	Regulation of mTORC1 signaling by pH. 2011 , 6, e21549	82
521	High-content chemical and RNAi screens for suppressors of neurotoxicity in a Huntington's disease model. 2011 , 6, e23841	43
520	The dual PI3K/mTOR inhibitor NVP-BEZ235 induces tumor regression in a genetically engineered mouse model of PIK3CA wild-type colorectal cancer. 2011 , 6, e25132	99
519	Tissue-specific responses of IGF-1/insulin and mTOR signaling in calorie restricted rats. 2012 , 7, e38835	33
518	Inhibitory effect of mTOR activator MHY1485 on autophagy: suppression of lysosomal fusion. 2012 , 7, e43418	92
517	The nuclear receptor NR4A1 induces a form of cell death dependent on autophagy in mammalian cells. 2012 , 7, e46422	20
516	Mechanical stimulation induces mTOR signaling via an ERK-independent mechanism: implications for a direct activation of mTOR by phosphatidic acid. 2012 , 7, e47258	64
515	Anti-myeloma activity of Akt inhibition is linked to the activation status of PI3K/Akt and MEK/ERK pathway. 2012 , 7, e50005	45

514	Regulated in development and DNA damage responses -1 (REDD1) protein contributes to insulin signaling pathway in adipocytes. 2012 , 7, e52154	27
513	MERTK interactions with SH2-domain proteins in the retinal pigment epithelium. 2013 , 8, e53964	21
512	Different patterns of Akt and ERK feedback activation in response to rapamycin, active-site mTOR inhibitors and metformin in pancreatic cancer cells. 2013 , 8, e57289	101
511	Evidence for a pro-proliferative feedback loop in prostate cancer: the role of Epac1 and COX-2-dependent pathways. 2013 , 8, e63150	20
510	Deletion of the fission yeast homologue of human insulinase reveals a TORC1-dependent pathway mediating resistance to proteotoxic stress. 2013 , 8, e67705	7
509	Glycogen phosphorylase inhibitor N-(3,5-dimethyl-Benzoyl)-N'-(β -D-glucopyranosyl)urea improves glucose tolerance under normoglycemic and diabetic conditions and rearranges hepatic metabolism. 2013 , 8, e69420	36
508	Autophagy defect is associated with low glucose-induced apoptosis in 661W photoreceptor cells. 2013 , 8, e74162	23
507	Eukaryotic initiation factor 2 β a downstream effector of mammalian target of rapamycin--modulates DNA repair and cancer response to treatment. 2013 , 8, e77260	9
506	MiR-424/503-mediated Rictor upregulation promotes tumor progression. 2013 , 8, e80300	59
505	NETRIN-4 protects glioblastoma cells FROM temozolomide induced senescence. 2013 , 8, e80363	14
504	Mammalian target of rapamycin complex I (mTORC1) activity in ras homologue enriched in brain (Rheb)-deficient mouse embryonic fibroblasts. 2013 , 8, e81649	14
503	Maintenance of basal levels of autophagy in Huntington's disease mouse models displaying metabolic dysfunction. 2013 , 8, e83050	17
502	Evodiamine inhibits insulin-stimulated mTOR-S6K activation and IRS1 serine phosphorylation in adipocytes and improves glucose tolerance in obese/diabetic mice. 2013 , 8, e83264	26
501	Application of a new dual localization-affinity purification tag reveals novel aspects of protein kinase biology in <i>Aspergillus nidulans</i> . 2014 , 9, e90911	12
500	Inverse associations between obesity indicators and thymic T-cell production levels in aging atomic-bomb survivors. 2014 , 9, e91985	13
499	TGF β Induced dephosphorylation recruits mTORC1 and not mTORC2 to enhance collagen I (α 1) gene expression. 2014 , 9, e109608	35
498	mTORC1 Signaling in oocytes is dispensable for the survival of primordial follicles and for female fertility. 2014 , 9, e110491	31
497	Establishment of <i>Irf1</i> ^{-/-} myeloid lineage cell line that resembles myeloid-derived suppressive cells. 2015 , 10, e0121001	9

496	mTORC1 Down-Regulates Cyclin-Dependent Kinase 8 (CDK8) and Cyclin C (CycC). 2015 , 10, e0126240	18
495	Mdm20 Modulates Actin Remodeling through the mTORC2 Pathway via Its Effect on Rictor Expression. 2015 , 10, e0142943	7
494	Ivabradine Prevents Low Shear Stress Induced Endothelial Inflammation and Oxidative Stress via mTOR/eNOS Pathway. 2016 , 11, e0149694	16
493	Glucose Availability and AMP-Activated Protein Kinase Link Energy Metabolism and Innate Immunity in the Bovine Endometrium. 2016 , 11, e0151416	25
492	Insulin Signaling in Insulin Resistance States and Cancer: A Modeling Analysis. 2016 , 11, e0154415	16
491	GADD34 Keeps the mTOR Pathway Inactivated in Endoplasmic Reticulum Stress Related Autophagy. 2016 , 11, e0168359	10
490	The AMPK Activator A769662 Blocks Voltage-Gated Sodium Channels: Discovery of a Novel Pharmacophore with Potential Utility for Analgesic Development. 2017 , 12, e0169882	13
489	Osteosarcoma cell proliferation and survival requires mGluR5 receptor activity and is blocked by Riluzole. 2017 , 12, e0171256	10
488	The interplay of CD150 and CD180 receptor pathways contribute to the pathobiology of chronic lymphocytic leukemia B cells by selective inhibition of Akt and MAPK signaling. 2017 , 12, e0185940	8
487	Gene Therapy Approach for Intervertebral Disc Degeneration: An Update. 2020 , 17, 3-14	14
486	Molecular Mechanisms of Insulin Resistance Development. 2014 , 17, 29-40	17
485	The Expanding Significance of Inositol Polyphosphate Multikinase as a Signaling Hub. 2017 , 40, 315-321	20
484	Reelin Counteracts Chondroitin Sulfate Proteoglycan-Mediated Cortical Dendrite Growth Inhibition. 2020 , 7,	3
483	Inositol-requiring enzyme-1 regulates phosphoinositide signaling lipids and macrophage growth. 2020 , 21, e51462	4
482	The -60-S6K1 isoform of ribosomal protein S6 kinase 1 is a product of alternative mRNA translation. 2018 , 90, 25-35	4
481	Effect of Acute Low-load High-repetition Resistance Exercise on Protein Synthetic Signaling Pathway and Satellite Cell Activation in Skeletal Muscle of Rats. 2020 , 29, 77-85	2
480	mTOR pathway activation in age-related retinal disease. 2011 , 3, 346-7	29
479	Molecular links between cellular senescence, longevity and age-related diseases - a systems biology perspective. 2011 , 3, 1178-91	106

478	Molecular damage in cancer: an argument for mTOR-driven aging. 2011 , 3, 1130-41	72
477	Cell cycle arrest is not yet senescence, which is not just cell cycle arrest: terminology for TOR-driven aging. 2012 , 4, 159-65	195
476	Inflammaging: disturbed interplay between autophagy and inflammasomes. 2012 , 4, 166-75	313
475	Once again on rapamycin-induced insulin resistance and longevity: despite of or owing to. 2012 , 4, 350-8	65
474	Rapamycin as longevity enhancer and cancer preventative agent in the context of p53 deficiency. 2012 , 4, 660-1	26
473	Potential anti-aging agents suppress the level of constitutive mTOR- and DNA damage- signaling. 2012 , 4, 952-65	77
472	Mechanistic or mammalian target of rapamycin (mTOR) may determine robustness in young male mice at the cost of accelerated aging. 2012 , 4, 899-916	40
471	Big mice die young but large animals live longer. 2013 , 5, 227-33	32
470	Serum from calorie-restricted animals delays senescence and extends the lifespan of normal human fibroblasts in vitro. 2015 , 7, 152-66	15
469	Geniposide-mediated protection against amyloid deposition and behavioral impairment correlates with downregulation of mTOR signaling and enhanced autophagy in a mouse model of Alzheimer's disease. 2019 , 11, 536-548	33
468	Nectandrin B-mediated activation of the AMPK pathway prevents cellular senescence in human diploid fibroblasts by reducing intracellular ROS levels. 2019 , 11, 3731-3749	10
467	Rapamycin for longevity: opinion article. 2019 , 11, 8048-8067	57
466	Association of genes with phenotype in autism spectrum disorder. 2019 , 11, 10742-10770	13
465	BMAL1 knockdown triggers different colon carcinoma cell fates by altering the delicate equilibrium between AKT/mTOR and P53/P21 pathways. 2020 , 12, 8067-8083	7
464	Transcriptome analysis of common and diverged circulating miRNAs between arterial and venous during aging. 2020 , 12, 12987-13004	2
463	Circular RNA circMBOAT2 promotes prostate cancer progression via a miR-1271-5p/mTOR axis. 2020 , 12, 13255-13280	20
462	LAIR-1 suppresses cell growth of ovarian cancer cell via the PI3K-AKT-mTOR pathway. 2020 , 12, 16142-16154	3
461	Hexokinase II inhibitor, 3-BrPA induced autophagy by stimulating ROS formation in human breast cancer cells. 2014 , 5, 100-12	69

460	MLN0128, a novel mTOR kinase inhibitor, disrupts survival signaling and triggers apoptosis in AML and AML stem/ progenitor cells. 2016 , 7, 55083-55097	23
459	Genetic polymorphisms of mTOR and cancer risk: a systematic review and updated meta-analysis. 2016 , 7, 57464-57480	21
458	Triple negative breast cancer: shedding light onto the role of pi3k/akt/mTOR pathway. 2016 , 7, 60712-60722	79
457	Growth factor progranulin promotes tumorigenesis of cervical cancer via PI3K/Akt/mTOR signaling pathway. 2016 , 7, 58381-58395	37
456	Metformin enhances TRAIL-induced apoptosis by Mcl-1 degradation via Mule in colorectal cancer cells. 2016 , 7, 59503-59518	20
455	Molecular regulation of apoptotic machinery and lipid metabolism by mTORC1/mTORC2 dual inhibitors in preclinical models of HER2+/PIK3CAmut breast cancer. 2016 , 7, 67071-67086	14
454	PEITC-mediated inhibition of mRNA translation is associated with both inhibition of mTORC1 and increased eIF2 α phosphorylation in established cell lines and primary human leukemia cells. 2016 , 7, 74807-74819	5
453	Major vault protein supports glioblastoma survival and migration by upregulating the EGFR/PI3K signalling axis. 2013 , 4, 1904-18	37
452	Elevation of n-3/n-6 PUFAs ratio suppresses mTORC1 and prevents colorectal carcinogenesis associated with APC mutation. 2016 , 7, 76944-76954	18
451	The therapeutic potential of targeting the PI3K pathway in pediatric brain tumors. 2017 , 8, 2083-2095	11
450	Induction of hypoxia and necrosis in multicellular tumor spheroids is associated with resistance to chemotherapy treatment. 2017 , 8, 1725-1736	92
449	Clinicopathological signature of p21-activated kinase 1 in prostate cancer and its regulation of proliferation and autophagy via the mTOR signaling pathway. 2017 , 8, 22563-22580	14
448	Rab7 GTPase controls lipid metabolic signaling in myeloid-derived suppressor cells. 2017 , 8, 30123-30137	14
447	P53 suppresses ribonucleotide reductase via inhibiting mTORC1. 2017 , 8, 41422-41431	17
446	Loss of 4E-BP1 function induces EMT and promotes cancer cell migration and invasion via cap-dependent translational activation of snail. 2014 , 5, 6015-27	34
445	Oncogenic nexus of cancerous inhibitor of protein phosphatase 2A (CIP2A): an oncoprotein with many hands. 2014 , 5, 4581-602	54
444	Novel direct AMPK activator suppresses non-small cell lung cancer through inhibition of lipid metabolism. 2017 , 8, 96089-96102	15
443	Targeting translation dependence in cancer. 2011 , 2, 76-88	46

442	Insights into 4E-BP1 and p53 mediated regulation of accelerated cell senescence. 2011 , 2, 89-98	29
441	Tetratricopeptide repeat domain 3 overexpression tends to form aggregates and inhibit ubiquitination and degradation of DNA polymerase β 2017 , 8, 106475-106485	2
440	Therapeutic CK2 inhibition attenuates diverse prosurvival signaling cascades and decreases cell viability in human breast cancer cells. 2014 , 5, 6484-96	52
439	Meta-analysis of the prognostic value of p-4EBP1 in human malignancies. 2018 , 9, 2761-2769	6
438	The nuclear import of ribosomal proteins is regulated by mTOR. 2014 , 5, 9577-93	17
437	The miR-491-3p/mTORC2/FOXO1 regulatory loop modulates chemo-sensitivity in human tongue cancer. 2015 , 6, 6931-43	32
436	Lithocholic bile acid selectively kills neuroblastoma cells, while sparing normal neuronal cells. 2011 , 2, 761-82	64
435	Dual targeting of acute myeloid leukemia progenitors by catalytic mTOR inhibition and blockade of the p110 β subunit of PI3 kinase. 2015 , 6, 8062-70	12
434	Metformin inhibits cell cycle progression of B-cell chronic lymphocytic leukemia cells. 2015 , 6, 22624-40	21
433	NCI's provocative questions on cancer: some answers to ignite discussion. 2011 , 2, 1352-67	46
432	mTORC1 sustains vision in retinitis pigmentosa. 2015 , 6, 16786-7	8
431	OSI-027 inhibits pancreatic ductal adenocarcinoma cell proliferation and enhances the therapeutic effect of gemcitabine both in vitro and in vivo. 2015 , 6, 26230-41	13
430	Rapamycin and WYE-354 suppress human gallbladder cancer xenografts in mice. 2015 , 6, 31877-88	12
429	Dual mTOR inhibitor MLN0128 suppresses Merkel cell carcinoma (MCC) xenograft tumor growth. 2016 , 7, 6576-92	28
428	Multifactorial resistance to aminopeptidase inhibitor prodrug CHR2863 in myeloid leukemia cells: down-regulation of carboxylesterase 1, drug sequestration in lipid droplets and pro-survival activation ERK/Akt/mTOR. 2016 , 7, 5240-57	16
427	mTOR kinase inhibitor pp242 causes mitophagy terminated by apoptotic cell death in E1A-Ras transformed cells. 2015 , 6, 44905-26	10
426	Superior efficacy of co-treatment with dual PI3K/mTOR inhibitor NVP-BEZ235 and pan-histone deacetylase inhibitor against human pancreatic cancer. 2012 , 3, 1416-27	40
425	DEPTOR suppresses the progression of esophageal squamous cell carcinoma and predicts poor prognosis. 2016 , 7, 14188-98	17

424	A nuclear-directed human pancreatic ribonuclease (PE5) targets the metabolic phenotype of cancer cells. 2016 , 7, 18309-24	13
423	mTOR inhibitor efficacy is determined by the eIF4E/4E-BP ratio. 2012 , 3, 1491-2	20
422	Fas-associated protein with death domain (FADD) regulates autophagy through promoting the expression of Ras homolog enriched in brain (Rheb) in human breast adenocarcinoma cells. 2016 , 7, 24572-84	12
421	Recent progress in genetics of aging, senescence and longevity: focusing on cancer-related genes. 2012 , 3, 1522-32	21
420	The IGF-1R/AKT pathway determines cell fate in response to p53. 2016 , 5, 664-675	17
419	Targeting the LKB1 tumor suppressor. 2014 , 15, 32-52	29
418	Diagnostic Value of MiR-125b as a Potential Biomarker for Stage I Lung Adenocarcinoma. 2019 , 19, 216-227	13
417	Cutting through the complexities of mTOR for the treatment of stroke. 2014 , 11, 177-86	46
416	Erythropoietin and mTOR: A "One-Two Punch" for Aging-Related Disorders Accompanied by Enhanced Life Expectancy. 2016 , 13, 329-340	24
415	Ketamine as antidepressant? Current state and future perspectives. 2014 , 12, 57-70	26
414	Autophagy in Diabetic Retinopathy. 2016 , 14, 810-825	72
413	Vascular Damage in Obesity and Diabetes: Highlighting Links Between Endothelial Dysfunction and Metabolic Disease in Zebrafish and Man. 2019 , 17, 476-490	12
412	Lessons from Nature: Sources and Strategies for Developing AMPK Activators for Cancer Chemotherapeutics. 2015 , 15, 657-71	8
411	Transglutaminase 2 mediates hypoxia-induced selective mRNA translation via polyamination of 4EBPs. 2020 , 3,	2
410	Diseases of Civilization - Cancer, Diabetes, Obesity and Acne - the Implication of Milk, IGF-1 and mTORC1. 2018 , 13, 273-281	8
409	Association of Delta-6-Desaturase Expression with Aggressiveness of Cancer, Diabetes Mellitus, and Multiple Sclerosis: A Narrative Review. 2019 , 20, 1005-1018	9
408	From microcephaly to megalencephaly: determinants of brain size. 2018 , 20, 267-282	32
407	Mechanistic Target of Rapamycin Pathway in Epileptic Disorders. 2019 , 62, 272-287	14

406	Effects of rapamycin on life span and on expression of TOR and S6K in <i>Brachionus calyciflorus</i> (Rotifera). 2017 , 26, 49-56	2
405	Transcription regulators and hormones involved in the development of brown fat and white fat browning: transcriptional and hormonal control of brown/beige fat development. 2018 , 67, 347-362	20
404	Running to Stand Still: Naive CD8 T Cells Actively Maintain a Program of Quiescence. 2020 , 21,	4
403	Decoding key nodes in the metabolism of cancer cells: sugar & spice and all things nice. 2012 , 4, 2	26
402	Molecular genetics and targeted therapeutics in biliary tract carcinoma. 2016 , 22, 1335-47	42
401	Autophagy inhibition enhances the inhibitory effects of ursolic acid on lung cancer cells. 2020 , 46, 1816-1826	5
400	PTH(1-34) activates the migration and adhesion of BMSCs through the rictor/mTORC2 pathway. 2020 , 46, 2089-2101	4
399	Suppression of Musashi-2 by the small compound largazole exerts inhibitory effects on malignant cells. 2020 , 56, 1274-1283	4
398	Kaempferol promotes bone formation in part via the mTOR signaling pathway. 2019 , 20, 5197-5207	16
397	Resveratrol inhibits viability and induces apoptosis in the small-cell lung cancer H446 cell line via the PI3K/Akt/c-Myc pathway. 2020 , 44, 1821-1830	9
396	Structure and Assembly of the PI3K-like Protein Kinases (PIKKs) Revealed by Electron Microscopy. 2015 , 2, 36-57	9
395	The perception of lexical stress in words within a sentence. 2016 , 3, 033	2
394	Metformin as an energy restriction mimetic agent for breast cancer prevention. 2011 , 10, 17	36
393	Novel nervous and multi-system regenerative therapeutic strategies for diabetes mellitus with mTOR. 2016 , 11, 372-85	42
392	mTORC1 signaling in primary central nervous system lymphoma. 2016 , 7, S475-80	4
391	A Proteomic Study of Human Merkel Cell Carcinoma. 2013 , 6, 275-282	20
390	iTorin1 An Active Site Inhibitor of mTOR, Suppresses Prostate Cancer Cell Growth Induced by Activated α M-Macroglobulin Ligation of Cell Surface GRP78. 2013 , 04, 74-85	1
389	Autophagy induced by glibenclamide serves as a defense against apoptosis in INS-1 rat insulinoma cells. 2013 , 03, 122-128	1

388	Erythropoietin and diabetes mellitus. 2015 , 6, 1259-73	32
387	Stem cell guidance through the mechanistic target of rapamycin. 2015 , 7, 999-1009	25
386	Mammalian target of rapamycin inhibition in hepatocellular carcinoma. 2014 , 6, 776-82	51
385	ER Stress Activates the TOR Pathway through Atf6. 2018 , 13, 1	11
384	Upstream signalling of mTORC1 and its hyperactivation in type 2 diabetes (T2D). 2017 , 50, 601-609	13
383	mTOR signaling in liver regeneration: Rapamycin combined with growth factor treatment. 2013 , 3, 36-47	29
382	Effect of treadmill exercise on PI3K/AKT/mTOR, autophagy, and Tau hyperphosphorylation in the cerebral cortex of NSE/htau23 transgenic mice. 2015 , 19, 199-209	42
381	Current development of the second generation of mTOR inhibitors as anticancer agents. 2012 , 31, 8-18	67
380	S6 Kinase: A Compelling Prospect for Therapeutic Interventions.	1
379	Modulation of mTOR and autophagy in hibernating hamster lung and the application of the potential mechanism to improve the recellularization process of decellularized lung scaffolds. 2014 , 3, 1	7
378	PI3K/Akt/mTOR inhibitors in breast cancer. 2015 , 12, 342-54	140
377	A novel sphingolipid-TORC1 pathway critically promotes postembryonic development in <i>Caenorhabditis elegans</i> . 2013 , 2, e00429	55
376	The insulin receptor cellular IRES confers resistance to eIF4A inhibition. 2013 , 2, e00542	25
375	The coordinated action of the MVB pathway and autophagy ensures cell survival during starvation. 2015 , 4, e07736	71
374	The tumor suppressor PTEN and the PDK1 kinase regulate formation of the columnar neural epithelium. 2016 , 5, e12034	11
373	Alleviation of neuronal energy deficiency by mTOR inhibition as a treatment for mitochondria-related neurodegeneration. 2016 , 5,	84
372	GPCR signaling inhibits mTORC1 via PKA phosphorylation of Raptor. 2019 , 8,	35
371	Differential expression of MAGEA6 toggles autophagy to promote pancreatic cancer progression. 2020 , 9,	10

370	Low FoxO expression in somatosensory neurons protects dendrite growth under nutrient restriction. 2020 , 9,	5
369	Role of Ca ²⁺ signaling in skeletal muscle hypertrophy and atrophy. 2015 , 4, 171-176	2
368	Hepatocytic p62 suppresses ductular reaction and tumorigenesis in mouse livers with mTORC1 activation and defective autophagy. 2021 ,	4
367	Activation of mTORC1 by Free Fatty Acids Suppresses LAMP2 and Autophagy Function via ER Stress in Alcohol-Related Liver Disease. 2021 , 10,	0
366	AKAP13 couples GPCR signaling to mTORC1 inhibition. 2021 , 17, e1009832	2
365	Insulin Resistance and Cancer: In Search for a Causal Link. 2021 , 22,	4
364	Anticancer Mechanisms of Bioactive Compounds from Solanaceae: An Update. 2021 , 13,	2
363	Monomethyl branched-chain fatty acid mediates amino acid sensing upstream of mTORC1. 2021 , 56, 2692-2702.e5	4
362	Asparagine reinforces mTORC1 signaling to boost thermogenesis and glycolysis in adipose tissues. 2021 , e108069	1
361	Amelioration of Diabetic Nephropathy by Targeting Autophagy via Rapamycin or Fasting: Relation to Cell Apoptosis/Survival. 2021 , 43, 1698-1714	0
360	Mapping of mTOR drug targets: Featured platforms for anti-cancer drug discovery. 2021 , 108012	2
359	TCTP protein degradation by targeting mTORC1 and signaling through S6K, Akt, and Plk1 sensitizes lung cancer cells to DNA-damaging drugs. 2021 , 11, 20812	1
358	Autophagic Activation and Decrease of Plasma Membrane Cholesterol Contribute to Anticancer Activities in Non-Small Cell Lung Cancer. 2021 , 26,	1
357	Halofuginone triggers a transcriptional program centered on ribosome biogenesis and function in honey bees. 2021 , 139, 103667	2
356	Fisetin-induced PTEN expression reverses cellular senescence by inhibiting the mTORC2-Akt Ser473 phosphorylation pathway in vascular smooth muscle cells. 2021 , 156, 111598	0
355	MODULATION OF AUTOPHAGY AND ITS POTENTIAL FOR CANCER THERAPY. 2011 , 36,	0
354	UPR Activation in Cancer Cells: A Double-Edged Sword. 2012 , 383-412	
353	Biomarkers for Prognosis and Molecularly Targeted Therapy in Renal Cell Carcinoma. 2012 , 289-324	

- 352 The Genetic Basis of Kidney Cancer and Implications for Targeted Therapies. **2012**, 3-25 1
- 351 Centrosomes and Cell Division in Apicomplexa. **2012**, 327-346 1
- 350 Molecular Regulators of Metabolism and Cardiometabolic Disease. **2012**, 4, 129
- 349 [Energy metabolism pathway related genes and adaptive evolution of tumor cells]. **2012**, 33, 557-65
- 348 Akne-assoziierte Syndrome. **2013**, 208-212
- 347 Molecular Characterization and Expression Analysis of S6K1 in Cashmere Goats (*Capra hircus*). **2013**, 26, 1057-64
- 346 New Perspectives in Chemoresistant Ovarian Cancer. **2013**, 299-330
- 345 Akt modes of stem cell regulation: more than meets the eye?. **2013**, 1, e8
- 344 Phospholipase A and Breast Cancer. **2014**, 101-114
- 343 Intracellular Signaling. **2014**, 22-39.e8
- 342 Macrophages Govern Ganglioside GM3 Expression in Adipocytes to Regulate Adipogenesis and Insulin Signaling in Homeostatic and Pathogenic Conditions. **2015**, 219-234
- 341 Rag GTPases. **2014**, 277-292
- 340 Human Papillomavirus: Pathogenesis and Host Immune Response. **2014**, 167-197
- 339 Inhibitory effects of genistein in combination with gefitinib on the hepatocellular carcinoma Hep3B cell line. **2019**, 18, 3793-3800 3
- 338 Targeting the PI3 K-mTOR Signaling Circuitry in HPV-Associated Oral Malignancies: Novel Precision Molecular Therapies. **2015**, 153-169
- 337 Contribution of the gut microbiota to the pathogenesis of insulin resistance (literature review). **2015**, 18, 54 5
- 336 Autophagy in Cancer Therapy: Progress and Issues. **2015**, 4, 1-12
- 335 The Potential Impact of Maternal Milk Consumption During Pregnancy on mTORC1-Driven Fetal Growth. **2016**, 237-258

- 334 Contribution of Spinal Cord mTORC1 to Chronic Opioid Tolerance and Hyperalgesia. **2016**, 482-489
- 333 Novel Stem Cell Strategies with mTOR. **2016**, 3-22 1
- 332 Phospho-mTOR (Ser2481) colocalizes with condensed chromosomes during metaphase. **2016**, 32, 105-110
- 331 Could S6K1 immunopositivity be used to distinguish early and advanced stages of endometrioid endometrial adenocarcinoma?. **2016**, 17, 163-7
- 330 Insulin Signaling Linking Metabolism and Malignancy. **2017**, 61-75
- 329 Major Causes of Death: Spotlight on mTOR Pathway. **2017**, 4,
- 328 Zellsignalübertragung. 919-1004
- 327 Zellzyklus. 1087-1154
- 326 Inhibition of mTOR signaling pathway by aqueous extract of Siberian ginseng. **2017**, 38, 7-14 0
- 325 Cancer Metabolism. **2018**, 129-154
- 324 Chronic Mechanistic Target of Rapamycin Inhibition: Preventing Cancer to Delay Aging or Vice Versa?. **2018**, 1-18
- 323 Generation of HEK-293 stable cell lines with disrupted expression of ribosomal protein S6 kinase (S6K1) isoforms using the CRISPR/Cas9 genome editing system. **2017**, 33, 356-366 3
- 322 GYVENSENOS VEIKSNIS SAJOS SU GLIUKOZĖS KIEKIŲ KAPILIARINIAME KRAUJYJE. **2017**, 27, 46-51
- 321 Efficiency of late conversion from mycophenolate mofetil to everolimus in kidney graft recipients with posttransplant malignancy. **2018**, 19, 16-26
- 320 -TrCP and Casein Kinase III Mediated Degradation of Cyclin F Controls Timely Mitotic Entry.
- 319 Enhanced translation expands the endo-lysosome size and promotes antigen presentation during phagocyte activation. 1
- 318 Fyn is Involved in Erythropoietin Signaling Pathway and Interfaces Oxidation to Regulate Erythropoiesis.
- 317 A conformational change in the N terminus of SLC38A9 signals mTORC1 activation. 0

- 316 Suppression of p16 induces mTORC1-mediated nucleotide metabolic reprogramming. ○
- 315 Gallbladder Cancer: Current and Emerging Therapies. **2019**, 197-205
- 314 L-asparaginase: new approaches to improve pharmacological characteristics. **2019**, 17, 82-99 ○
- 313 Expression of genes related to glucose metabolism and joint destruction in the development of diabetes mellitus in patients with osteoarthritis. **2019**, 13, 64-70 1
- 312 Identification of a novel S6K1 splice variant coding for the p60-S6K1 isoform. **2019**, 35, 99-106
- 311 Glutamine supports the protection of tissue cells against the damage caused by cholesterol-dependent cytolysins from pathogenic bacteria.
- 310 Low FoxO expression in Drosophila somatosensory neurons protects dendrite growth under nutrient restriction.
- 309 Stress Resistance Screen in a Human Primary Cell Line Identifies Small Molecules that Affect Aging Pathways and Extend *C. elegans* Lifespan.
- 308 High-Throughput Translational Profiling with riboPLATE-seq.
- 307 TORC1 regulates the transcriptional response to glucose and developmental cycle via the Tap42-Sit4-Rrd1/2 pathway in *Saccharomyces cerevisiae*.
- 306 Yaşlı balgeli en bozukluklarda polifenoller ve hedefleri; mTOR sinyal ileti yolu.
- 305 Chronic Mechanistic Target of Rapamycin Inhibition: Preventing Cancer to Delay Aging or Vice Versa?. **2020**, 111-128
- 304 The Expression and Significance of mTORC1 in Diabetic Retinopathy.
- 303 Dissecting the impact of metabolic environment on three common cancer cell phenotypes.
- 302 Metformin Had Potential to Increase Endocan Levels in STZ-Induced Diabetic Mice. **2020**, 26, 133-141 ○
- 301 An update on the effectiveness of metformin alone and with chemotherapy drugs on tumor cells. **2020**, 2, 10-19
- 300 Prognostic role of aberrant mTOR activation in patients with stage II and III colorectal cancer. **2020**, 14, 1127-1137 ○
- 299 GPNMB mitigates Alzheimer's disease and enhances autophagy via suppressing the mTOR signal. **2021**, 767, 136300 ○

298	Methylation of Hypothalamic Tsc1-mTOR Signaling in Regulation of Obesity and Obesity Resistance. 2020 , 2020, 8723869	6
297	Tau Abnormalities and Autophagic Defects in Neurodegenerative Disorders; A Feed-forward Cycle. 2020 , 9, e1681	1
296	Endoplasmic Reticulum Stress and Autophagy in Cancer. 2020 , 355-402	
295	Mechanistic target of rapamycin kinase () is required for spermatogonial proliferation and differentiation in mice. 2020 , 22, 169-176	3
294	Endothelial mTOR maintains hematopoiesis during aging.	
293	DTA expression in mTas1r3+ cells lead to male infertility.	
292	Sestrin2 as a Potential Target for Regulating Metabolic-Related Diseases. 2021 , 12, 751020	3
291	Targeting tissue-specific metabolic signaling pathways in aging: the promise and limitations.	1
290	Generation of Somatic Mitochondrial DNA-Replaced Cells for Mitochondrial Dysfunction Treatment.	
289	Chromatin-associated effectors of energy-sensing pathways mediate intergenerational effects.	
288	A cell cycle kinase-phosphatase module restrains PI3K-Akt activity in an mTORC1-dependent manner.	
287	The Epigenetic Regulator EZH2 Instructs CD4 T Cell Response to Acute Viral Infection via Coupling of Cell Expansion and Metabolic Fitness. 2020 , 94,	2
286	Inhibition of Fibrotic Contraction by Sirolimus (Rapamycin) in an Ex Vivo Model of Thyroid Eye Disease. 2021 , 37, 366-371	
285	Anti-proliferation effects of Sirolimus sustained delivery film in rabbit glaucoma filtration surgery. 2011 , 17, 2495-506	20
284	The complex interplay between autophagy and NF- κ B signaling pathways in cancer cells. 2011 , 1, 629-49	76
283	Rapamycin induces the anti-apoptotic protein survivin in neuroblastoma. 2012 , 3, 28-35	7
282	Rabin8 Protein Interacts with GTPase Rheb and Inhibits Phosphorylation of Ser235/Ser236 in Small Ribosomal Subunit Protein S6. 2011 , 3, 71-6	6
281	Autophagy in breast cancer and its implications for therapy. 2013 , 3, 251-65	40

280	Rapamycin Modulates Markers of Mitochondrial Biogenesis and Fatty Acid Oxidation in the Adipose Tissue of db/db Mice. 2013 , 1, 114-123	21
279	Activation of the IL-6/JAK/STAT3 signaling pathway in human middle ear cholesteatoma epithelium. 2014 , 7, 709-15	13
278	Downregulation of mTOR by lentivirus inhibits prostate cancer cell growth. 2014 , 7, 923-31	3
277	Dramatic antitumor effects of the dual mTORC1 and mTORC2 inhibitor AZD2014 in hepatocellular carcinoma. 2015 , 5, 125-39	26
276	Silencing of tuberin enhances photoreceptor survival and function in a preclinical model of retinitis pigmentosa (an american ophthalmological society thesis). 2014 , 112, 103-15	12
275	Reduction behavior induced by HL010183, a metformin derivative against the growth of cutaneous squamous cell carcinoma. 2015 , 8, 287-97	2
274	Predictive value of K-ras and PIK3CA in non-small cell lung cancer patients treated with EGFR-TKIs: a systemic review and meta-analysis. 2015 , 12, 126-39	19
273	Rapamycin reverses paraquat-induced acute lung injury in a rat model through inhibition of NFB activation. 2015 , 8, 4627-38	14
272	Sevoflurane inhibits the phosphorylation of ribosomal protein S6 in neonatal rat brain. 2015 , 8, 14816-26	3
271	MicroRNA-96 promotes myocardial hypertrophy by targeting mTOR. 2015 , 8, 14500-6	7
270	Rays Sting: The Acute Cellular Effects of Ionizing Radiation Exposure. 2016 , 14, 42-53	7
269	Defects in dermal V α 4 γ T cells result in delayed wound healing in diabetic mice. 2016 , 8, 2667-80	9
268	High FOXRED1 expression predicted good prognosis of colorectal cancer. 2016 , 6, 2722-2728	1
267	N-WASP promotes invasion and migration of cervical cancer cells through regulating p38 MAPKs signaling pathway. 2017 , 9, 403-415	11
266	Bitterness in sugar: O-GlcNAcylation aggravates pre-B acute lymphocytic leukemia through glycolysis via the PI3K/Akt/c-Myc pathway. 2017 , 7, 1337-1349	12
265	Muscle atrophy in patients with Type 2 Diabetes Mellitus: roles of inflammatory pathways, physical activity and exercise. 2016 , 22, 94-109	66
264	Loss of the cone-enriched does not affect secondary cone death in retinitis pigmentosa. 2017 , 23, 944-951	2
263	A combination of the PI3K pathway inhibitor plus cell cycle pathway inhibitor to combat endocrine resistance in hormone receptor-positive breast cancer: a genomic algorithm-based treatment approach. 2018 , 8, 2359-2376	22

262	Targeting snoRNAs as an emerging method of therapeutic development for cancer. 2019 , 9, 1504-1516	5
261	Augmenter of Liver Regeneration Alleviates Renal Hypoxia-Reoxygenation Injury by Regulating Mitochondrial Dynamics in Renal Tubular Epithelial Cells. 2019 , 42, 893-905	4
260	Establishment and characterization of a docetaxel-resistant human prostate cancer cell line. 2020 , 20, 230	
259	Protective Effect of Curcumin on Bone Trauma in a Rat Model via Expansion of Myeloid Derived Suppressor Cells. 2020 , 26, e924724	0
258	Anticancer activity of oleanolic acid and its derivatives: Recent advances in evidence, target profiling and mechanisms of action. 2021 , 145, 112397	11
257	mTOR pathway: A potential therapeutic target for spinal cord injury. 2021 , 145, 112430	2
256	Arabidopsis Target of Rapamycin Coordinates With Transcriptional and Epigenetic Machinery to Regulate Thermotolerance. 2021 , 12, 741965	2
255	Deregulation of AKT-mTOR Signaling Contributes to Chemoradiation Resistance in Lung Squamous Cell Carcinoma. 2021 ,	0
254	Proteomic Characterization of Plasma Rich in Growth Factors and Undiluted Autologous Serum. 2021 , 22,	2
253	PI3K/AKT/mTOR Signaling Pathway Is Required for JCPyV Infection in Primary Astrocytes. 2021 , 10,	1
252	Oncocytic renal neoplasms with diffuse keratin 7 immunohistochemistry harbor frequent alterations in the mammalian target of rapamycin pathway. 2021 ,	2
251	Rett Syndrome and Fragile X Syndrome: Different Etiology With Common Molecular Dysfunctions. 2021 , 15, 764761	2
250	A teamwork promotion of formin-mediated actin nucleation by Bud6 and Aip5 in. 2021 , mbcE21060285	0
249	Comprehensive review on signaling pathways of dietary saponins in cancer cells suppression. 2021 , 1-26	1
248	The effects of UVB irradiance on aberrant epidermal proliferation: Novel insights on how to improve currently available sunscreens. 2021 , 288, 120181	
247	Pathogenesis and Clinical Significance of In-Stent Restenosis in Patients with Diabetes. 2021 , 18,	9
246	A Phase 1 Study of Sapanisertib (TAK-228) in East Asian Patients with Advanced Nonhematological Malignancies. 2021 , 1	0
245	Decreased efficacy of the ketamine and scopolamine-induced sustained antidepressant-like effects in rats receiving metformin. 2021 , 1	

244	A DAP5/eIF3d alternate mRNA translation mechanism promotes differentiation and immune suppression by human regulatory T cells. 2021 , 12, 6979	2
243	Genetically Modified Cell Transplantation Through Macroencapsulated Spheroids with Scaffolds to Treat Fabry Disease.. 2021 , 30, 9636897211060269	1
242	MAPK4 promotes triple negative breast cancer growth and reduces tumor sensitivity to PI3K blockade.. 2022 , 13, 245	2
241	Non-classical autophagy activation pathways are essential for production of infectious Influenza A virus in vitro.. 2021 ,	0
240	Establishment and characterization of a docetaxel-resistant human prostate cancer cell line. 2020 , 20, 1-1	2
239	Protective Effect of Curcumin on Bone Trauma in a Rat Model via Expansion of Myeloid Derived Suppressor Cells. 2020 , 26, e924724	0
238	Expression of 3-Methylcrotonyl-CoA Carboxylase in Brain Tumors and Capability to Catabolize Leucine by Human Neural Cancer Cells.. 2022 , 14,	0
237	An update on mode of action of metformin in modulation of meta-inflammation and inflammaging.. 2022 , 1	1
236	RNA binding protein HuD promotes autophagy and tumor stress survival by suppressing mTORC1 activity and augmenting ARL6IP1 levels.. 2022 , 41, 18	0
235	Prospective nanoparticle treatments for lymphangiomyomatosis.. 2022 , 1-12	1
234	The functions and roles of sestrins in regulating human diseases.. 2022 , 27, 2	2
233	Targeting Epigenetic Mechanisms in Vascular Aging.. 2021 , 8, 806988	0
232	Molecular design of dual inhibitors of PI3K and potential molecular target of cancer for its treatment: A review. 2021 , 228, 114039	2
231	Polymorphisms in the mTOR-PI3K-Akt pathway, energy balance-related exposures and colorectal cancer risk in the Netherlands Cohort Study.. 2022 , 15, 2	0
230	Anti-Obesity Effects of a Mixture of and Extracts on 3T3-L1 Adipocytes and High-Fat Diet-Induced Obesity in Mice.. 2022 , 27,	1
229	Medical management of gastrointestinal neuroendocrine tumors.. 2022 , 29,	1
228	A gradient tree boosting and network propagation derived pan-cancer survival network of the tumor microenvironment.. 2022 , 25, 103617	2
227	TORC1 inactivation promotes APC/C-dependent mitotic slippage in yeast and human cells.. 2022 , 25, 103675	1

- 226 Fermentation broth of *Serpula similis* protect cells from oxidative stress-induced senescence via AMPK-dependent autophagy restoration. **2022**, 2, 100053
- 225 Age and metastasis - How age influences metastatic spread in cancer. Colorectal cancer as a model.. **2022**, 77, 102112 2
- 224 Rap_GAP Domain of *PPP1R1B* Contributes to Tumor Suppression Through mTOR Signaling in Human Hepatocellular Carcinoma.. **2022**, 41, 215-224
- 223 Brain Regeneration Resembles Brain Cancer at Its Early Wound Healing Stage and Diverges From Cancer Later at Its Proliferation and Differentiation Stages.. **2022**, 10, 813314 0
- 222 Dipeptidyl peptidase-4 is associated with myogenesis in patients with adolescent idiopathic scoliosis possibly via mediation of insulin sensitivity.. **2022**, 17, 82
- 221 Ribosomal Protein S6: A Potential Therapeutic Target against Cancer?. **2021**, 23, 3
- 220 The Role of Insulin Signaling in Mammalian Peripheral Taste Tissue: From Taste Modulation to Maintenance of Taste Bud Homeostasis. **2021**, 59, 122-129
- 219 Disentangling the signaling pathways of mTOR complexes, mTORC1 and mTORC2, as a therapeutic target in glioblastoma.. **2021**, 100854 0
- 218 Orientin Prolongs the Longevity of and Postpones the Development of Neurodegenerative Diseases via Nutrition Sensing and Cellular Protective Pathways.. **2022**, 2022, 8878923 2
- 217 Autophagy and Skin Diseases.. **2022**, 13, 844756 0
- 216 Optical Sensors and Actuators for Probing Proximity-Dependent Biotinylation in Living Cells.. **2022**, 16, 801644 1
- 215 Rapamycin Improved Retinal Function and Morphology in a Mouse Model of Retinal Degeneration.. **2022**, 16, 846584 1
- 214 A defective lysophosphatidic acid-autophagy axis increases miscarriage risk by restricting decidual macrophage residence.. **2022**, 1-22 0
- 213 The molecular regulation of autophagy in antimicrobial immunity.. **2022**, 0
- 212 Hepatocyte growth factor protects pulmonary endothelial barrier against oxidative stress and mitochondria-dependent apoptosis. **2022**, Publish Ahead of Print, 0
- 211 eIF3a regulation of mTOR signaling and translational control via HuR in cellular response to DNA damage.. **2022**, 3
- 210 Activation of Rictor/mTORC2 signaling acts as a pivotal strategy to protect against sensorineural hearing loss.. **2022**, 119, e2107357119 2
- 209 Evaluation of the TRIP13 level in breast cancer and insights into potential molecular pathways.. **2022**, 0

208	Tumor Cell Glycolysis-At the Crossroad of Epithelial-Mesenchymal Transition and Autophagy.. 2022 , 11,	2
207	Involvement of autophagy in the maintenance of rat intervertebral disc homeostasis: an in-vitro and in-vivo RNA interference study of Atg5.. 2021 ,	2
206	Molecular Genetic Mechanisms in Cancers of Keratinocytic Origin.	
205	ROCK 'n TOR: An Outlook on Keratinocyte Stem Cell Expansion in Regenerative Medicine via Protein Kinase Inhibition.. 2022 , 11,	0
204	A Multi-Omics Pan-Cancer Analysis of 4EBP1 in Cancer Prognosis and Cancer-Associated Fibroblasts Infiltration.. 2022 , 13, 845751	0
203	Up-regulated YB-1 protein promotes glioblastoma growth through an YB-1/CCT4/mLST8/mTOR pathway.. 2022 ,	0
202	Neuroendocrine Tumors: a Relevant Clinical Update.. 2022 , 1	1
201	KAT7-mediated CANX (calnexin) crotonylation regulates leucine-stimulated MTORC1 activity.. 2022 , 1-18	0
200	High-throughput translational profiling with riboPLATE-seq.. 2022 , 12, 5718	0
199	Urocortin 2 promotes hypertrophy and enhances skeletal muscle function through cAMP and insulin/IGF-1 signaling pathways.. 2022 , 101492	1
198	Quantitative phosphoproteomic analyses identify STK11IP as a lysosome-specific substrate of mTORC1 that regulates lysosomal acidification.. 2022 , 13, 1760	0
197	Suppression of the doxorubicin response by hypoxia-inducible factor-1 β s strictly dependent on oxygen concentrations under hypoxic conditions.. 2022 , 920, 174845	
196	Molecular biological mechanism of action in cancer therapies: Juglone and its derivatives, the future of development.. 2022 , 148, 112785	4
195	mTOR signaling as a molecular target for the alleviation of Alzheimer's disease pathogenesis.. 2022 , 105311	4
194	Sulfate oligosaccharide of Gracilaria lemaneiformis modulates type 1 immunity by restraining T cell activation.. 2022 , 288, 119377	1
193	Genome-wide association study reveals novel loci for adult type 1 diabetes in a 5-year nested case-control study.. 2021 , 12, 2073-2086	1
192	Nm23-H1 activator phenylbutenoid dimer exerts cytotoxic effects on metastatic breast cancer cells by inducing mitochondrial dysfunction only under glucose starvation. 2021 , 11, 23549	0
191	Golgi Phosphoprotein 73: The Driver of Epithelial-Mesenchymal Transition in Cancer.. 2021 , 11, 783860	2

- 190 A New Insight into an Alternative Therapeutic Approach to Restore Redox Homeostasis and Functional Mitochondria in Neurodegenerative Diseases.. **2021**, 11, 1
- 189 Rapamycin Suppresses Penile NADPH Oxidase Activity to Preserve Erectile Function in Mice Fed a Western Diet.. **2021**, 10,
- 188 Introduction to Healthcare-Oriented Monitoring of Persons. **2022**, 1-39
- 187 The role of AMPK-dependent pathways in cellular and molecular mechanisms of metformin: a new perspective for treatment and prevention of diseases.. **2022**, 1 1
- 186 Diabetic sarcopenia: metabolic and molecular appraisal.. **2022**,
- 185 The Role of Systemic Filtrating Organs in Aging and Their Potential in Rejuvenation Strategies.. **2022**, 23,
- 184 TOR inhibition primes immunity and pathogen resistance in tomato in a salicylic acid-dependent manner.. **2022**, 0
- 183 Targeting colonic macrophages improves glycemic control in high-fat diet-induced obesity.. **2022**, 5, 370 0
- 182 Deregulated signaling networks in lung cancer. 421-442
- 181 data_sheet_1.docx. **2018**,
- 180 Presentation_1.pptx. **2019**,
- 179 Image_1.PDF. **2018**,
- 178 Image_2.PDF. **2018**,
- 177 Data_Sheet_1.xls. **2020**,
- 176 Image_1.tif. **2019**,
- 175 Image_1.tif. **2018**,
- 174 Image_2.tif. **2018**,
- 173 Table_1.PDF. **2018**,

172 Table_2.XLS. 2018,

171 Table_3.PDF. 2018,

170 Image_1.JPEG. 2020,

169 Image_2.JPEG. 2020,

168 Image_1.jpeg. 2019,

167 Image_2.jpeg. 2019,

166 Image_3.jpeg. 2019,

165 Image_4.jpeg. 2019,

164 Image_5.jpeg. 2019,

163 Table_1.xlsx. 2019,

162 Table_2.xlsx. 2019,

161 Data_Sheet_1.docx. 2019,

160 Data_Sheet_2.docx. 2019,

159 Data_Sheet_1.PDF. 2019,

158 Table_1.XLS. 2019,

157 Presentation_1.pdf. 2019,

156 Table_1.XLSX. 2019,

155 DataSheet_1.zip. 2019,

- 154 Image_1.png. **2019**,
- 153 Image_2.png. **2019**,
- 152 Image_3.png. **2019**,
- 151 Image_4.png. **2019**,
- 150 Image_5.png. **2019**,
- 149 Royal jelly: Healthy aging and longevity. **2022**, 245-260
- 148 Wnt5a-mediated autophagy promotes radiation resistance of nasopharyngeal carcinoma.. **2022**, 13, 2388-2396
- 147 Dissecting the heterogeneity of exhausted T cells at the molecular level.. **2022**, 0
- 146 Identification of Prognostic Biomarkers in Patients With Malignant Rhabdoid Tumor of the Kidney Based on mTORC1 Signaling Pathway-Related Genes.. **2022**, 9, 843234 0
- 145 Design and screening of KLHL22 inhibitors by homology modeling, molecular docking, and molecular dynamics simulation.. **2022**, 19,
- 144 Density fluctuations, homeostasis, and reproduction effects in bacteria.. **2022**, 5, 397 0
- 143 Protective role of autophagy in triptolide-induced apoptosis of TM3 Leydig cells. **2022**,
- 142 A non-canonical cGAS-STING-PERK pathway facilitates the translational program critical for senescence and organ fibrosis.. **2022**, 3
- 141 Direct Cardiac Actions of Sodium-Glucose Cotransporter 2 Inhibition Improve Mitochondrial Function and Attenuate Oxidative Stress in Pressure Overload-Induced Heart Failure. **2022**, 9, 1
- 140 Myofibrillar protein synthesis rates are increased in chronically exercised skeletal muscle despite decreased anabolic signaling.. **2022**, 12, 7553 0
- 139 Targeting Metabolic Reprogramming of T-Cells for Enhanced Anti-Tumor Response.. **2022**, 16, 35-45 0
- 138 CDK5RAP3, an essential regulator of checkpoint, interacts with RPL26 and maintains the stability of cell growth.. **2022**, e13240 1
- 137 Transcriptome profiling of tiger pufferfish (*Takifugu rubripes*) gills in response to acute hypoxia. **2022**, 557, 738324 0

136	Alterations in cellular metabolisms after Imatinib therapy: a review.. 2022 , 39, 95	0
135	Bioactive peptide inhibits acute myeloid leukemia cell proliferation by downregulating ALKBH5-mediated mA demethylation of EIF4EBP1 and MLST8 mRNA.. 2022 ,	1
134	Dietary Supplements and Natural Products: An Update on Their Clinical Effectiveness and Molecular Mechanisms of Action During Accelerated Biological Aging.. 2022 , 13, 880421	1
133	Recent progress on FAK inhibitors with dual targeting capabilities for cancer treatment. 2022 , 151, 113116	1
132	Di-(2-ethyl hexyl) phthalate induced oxidative stress promotes microplastics mediated apoptosis and necroptosis in mice skeletal muscle by inhibiting PI3K/AKT/mTOR pathway. 2022 , 474, 153226	0
131	A single-cell transcriptomic atlas characterizes the silk-producing organ in the silkworm. 2022 , 13,	0
130	The Translational Regulation in mTOR Pathway. 2022 , 12, 802	1
129	Serum and Soleus Metabolomics Signature of Klf10 Knockout Mice to Identify Potential Biomarkers. 2022 , 12, 556	0
128	The Role of GCN2 Kinase in Mediating the Effects of Amino Acids on Longevity and Feeding Behaviour in Drosophila. 3,	0
127	Vasculitogenic T Cells in Large Vessel Vasculitis. 13,	1
126	Combination of mTOR inhibitor PP242 and AMPK activator metformin exerts enhanced inhibitory effects on colorectal carcinoma cells in vitro by blocking multiple kinase pathways. 1-11	
125	KIF2A decreases IL-33 production and attenuates allergic asthmatic inflammation. 2022 , 18,	
124	The role of protein kinases as key drivers of metabolic dysfunction-associated fatty liver disease progression: New insights and future directions. 2022 , 120732	0
123	Discovery of potential mTOR inhibitors from Cichorium intybus to find new candidate drugs targeting the pathological protein related to the breast cancer: an integrated computational approach.	0
122	PM2.5 Synergizes With Pseudomonas aeruginosa to Suppress Alveolar Macrophage Function in Mice Through the mTOR Pathway. 13,	
121	A little less aggregation a little more replication: Viral manipulation of stress granules.	1
120	Polystyrene nanoplastics induce profound metabolic shift in human cells as revealed by integrated proteomic and metabolomic analysis. 2022 , 166, 107349	1
119	mTOR pathway mediates endoplasmic reticulum stress-induced CD4+ T cell apoptosis in septic mice.	

- 118 Autophagy, apoptosis, necroptosis, pyroptosis and netosis in pathogenesis of immune-inflammatory rheumatic diseases. **2022**, 24, 659-704 ○
- 117 Therapeutic Intervention in Cancer by Isoliquiritigenin from Licorice: A Natural Antioxidant and Redox Regulator. **2022**, 11, 1349 4
- 116 Genetic Disruption of KLF1 K74 SUMOylation in Hematopoietic System Promotes Healthy Longevity in Mice. 2201409
- 115 Synthesis and Antiproliferative Activity of a New Series of Mono- and Bis(dimethylpyrazolyl)-s-triazine Derivatives Targeting EGFR/PI3K/AKT/mTOR Signaling Cascades. **2022**, 7, 24858-24870 1
- 114 Antiaging Effects of Dietary Polysaccharides: Advance and Mechanisms. **2022**, 2022, 1-16 ○
- 113 Glioblastoma: Current Status, Emerging Targets, and Recent Advances. **2022**, 65, 8596-8685 ○
- 112 Sword Bean (*Canavalia gladiata*) Pod Exerts Anti-Allergic and Anti-Inflammatory Effects through Modulation of Th1/Th2 Cell Differentiation. **2022**, 14, 2853 ○
- 111 Oncoprotein DJ-1 interacts with mTOR complexes to effect transcription factor Hif1 β -dependent expression of collagen I (α) during renal fibrosis. **2022**, 102246 ○
- 110 Suppression of Ribose-5-phosphate Isomerase a Induces ROS to Activate Autophagy, Apoptosis, and Cellular Senescence in Lung Cancer. **2022**, 23, 7883 ○
- 109 In silico comprehensive analysis of coding and non-coding SNPs in human mTOR protein. **2022**, 17, e0270919
- 108 Acetic Acid Mediated for One-Pot Synthesis of Novel Pyrazolyl s-Triazine Derivatives for the Targeted Therapy of Triple-Negative Breast Tumor Cells (MDA-MB-231) via EGFR/PI3K/AKT/mTOR Signaling Cascades. **2022**, 14, 1558 ○
- 107 AAA + ATPase Thorase inhibits mTOR signaling through the disassembly of the mTOR complex 1. **2022**, 13, ○
- 106 It takes two to tango: Widening our understanding of the onset of schizophrenia from a neuro-angiogenic perspective. 10,
- 105 STAT3 restricts prostate cancer metastasis and antiandrogen resistance by controlling LKB1/CREB signaling pathway.
- 104 Genotoxicity-Stimulated and CYLD-Driven Malignant Transformation. Volume 14, 2339-2356
- 103 Asparagine, colorectal cancer, and the role of sex, genes, microbes, and diet: A narrative review. 9, ○
- 102 Autophagy-nutrient sensing pathways in diabetic complications. **2022**, 106408 ○
- 101 Single-cell transcriptome analysis of regenerating RGCs reveals potent glaucoma neural repair genes. **2022**, 110, 2646-2663.e6 1

100	Hallmarks of Cancer Applied to Oral and Oropharyngeal Carcinogenesis: A Scoping Review of the Evidence Gaps Found in Published Systematic Reviews. 2022 , 14, 3834	1
99	tRNA-Derived Fragment tRF-5009A Regulates Autophagy and Degeneration of Cartilage in Osteoarthritis via Targeting mTOR. 2022 , 2022, 1-26	0
98	Stabilization of DEPTOR sensitizes hypopharyngeal cancer to radiotherapy via targeting degradation. 2022 , 26, 330-346	
97	mTOR participates in the formation, maintenance, and function of memory CD8+T cells regulated by glycometabolism. 2022 , 204, 115197	0
96	Role of Mechanistic Target of Rapamycin in Autophagy and Alcohol-Associated Liver Disease.	0
95	MDSCs participate in the pathogenesis of diffuse pulmonary hemorrhage in murine lupus through mTOR-FoxO1 signaling. 2022 , 32, 101351	0
94	Molecular Principles, Components, Technology, and Concepts: Metabolism [Metabolic Regulation. 2022 ,	0
93	Invertebrate model organisms for aging research. 2022 , 353-382	0
92	Extra-Ribosome Functions of Ribosomal Proteins. 2022 ,	0
91	The phagosomal solute transporter SLC15A4 promotes inflammasome activity via mTORC1 signaling and autophagy restraint in dendritic cells.	0
90	Overexpression of TRIM32 promotes pancreatic β cell autophagic cell death through Akt/mTOR pathway under high glucose conditions.	0
89	Dysregulation of Acid Ceramidase-mediated Sphingolipid Metabolism Contributes to Tumor Progression in Tuberous Sclerosis Complex.	0
88	Knockdown of NDUFC1 inhibits cell proliferation, migration, and invasion of hepatocellular carcinoma. 12,	0
87	Introduction: Redefining T-cell Exhaustion Special Issue. 2022 , 34, 545-546	0
86	NAD/NAMPT and mTOR Pathways in Melanoma: Drivers of Drug Resistance and Prospective Therapeutic Targets. 2022 , 23, 9985	2
85	The TOR complex controls ATP levels to regulate actin cytoskeleton dynamics in Arabidopsis. 2022 , 119,	0
84	Computer grading of lung disease severity in patients with lymphangi leiomyomatosis referred for transplantation. 2022 , 22,	0
83	Type H vessels bridge connecting subchondral bone remodelling and articular cartilage degeneration in osteoarthritis development.	0

82	Ion channels as a therapeutic target for renal fibrosis. 13,	0
81	We are all aging, and here's why.	0
80	Effects of high-fat diet-induced diabetes on autophagy in the murine liver: A systematic review and meta-analysis. 2022 , 309, 121012	1
79	Hallmarks of Cancer Expression in Oral Lichen Planus: A Scoping Review of Systematic Reviews and Meta-Analyses. 2022 , 23, 13099	0
78	Increase of resistant starch content by hydrolysis of potato amylopectin and its microstructural studies by 2D and 3D imaging. 2022 ,	0
77	Myokines derived from contracting skeletal muscle suppress anabolism in MCF7 breast cancer cells by inhibiting mTOR. 13,	0
76	Synergistic Combined-proteomics Guided Mapping strategy identifies mTOR mediated phosphorylation of LARP1 in nutrient responsiveness and dilated cardiomyopathy.	0
75	Phosphorylation of S6RP in peritubular capillaries of kidney grafts and circulating HLA donor-specific antibodies. 9,	0
74	Knockdown of miR-214 Alleviates Renal Interstitial Fibrosis by Targeting the Regulation of the PTEN/PI3K/AKT Signalling Pathway. 2022 , 2022, 1-17	0
73	mTOR Contributes to the Proteome Diversity through Transcriptome-Wide Alternative Splicing. 2022 , 23, 12416	0
72	Large effect loci have a prominent role in Darwin's finch evolution.	0
71	General control nonderepressible 1 interacts with cationic amino acid transporter 1 and affects <i>Aedes aegypti</i> fecundity. 2022 , 15,	0
70	Adipose Tissue Plasticity in Aging. 4119-4132	0
69	Rapalogs downmodulate intrinsic immunity and promote cell entry of SARS-CoV-2.	1
68	Novel bio-inspired lipid nanoparticles for improving the anti-tumoral efficacy of fisetin against breast cancer. 2022 , 628, 122184	0
67	Screening the possible anti-cancer constituents of <i>Hibiscus rosa-sinensis</i> flower to address mammalian target of rapamycin: an in silico molecular docking, HYDE scoring, dynamic studies, and pharmacokinetic prediction.	0
66	The origin story of rapamycin: systemic bias in biomedical research and cold war politics. 2022 , 33,	0
65	Plasma-Based Metabolomics Profiling of High-Risk Human Papillomavirus and their Emerging Roles in the Progression of Cervical Cancer. 2022 , 2022, 1-17	0

64	Diabetes mellitus aggravates humoral immune response in myasthenia gravis by promoting differentiation and activation of circulating Tfh cells. 2022 , 245, 109141	0
63	Streptomyces genus as a source of probiotics and its potential for its use in health. 2023 , 266, 127248	0
62	Targeting mTOR as a Cancer Therapy: Recent Advances in Natural Bioactive Compounds and Immunotherapy. 2022 , 14, 5520	0
61	Lack of peroxisomal catalase affects heat shock response in <i>Caenorhabditis elegans</i> . 2023 , 6, e202201737	0
60	mTOR/ β -ketoglutarate-mediated signaling pathways in the context of brain neurodegeneration and neuroprotection. 2022 , 100066	1
59	Advances in T Cells Based on Inflammation in Metabolic Diseases. 2022 , 11, 3554	0
58	The MASTL / PP2A cell cycle kinase-phosphatase module restrains PI3K-Akt activity in an mTORC1-dependent manner.	0
57	Single dose S-ketamine rescues transcriptional dysregulation of Mtor and Nrp2 in the prefrontal cortex of FSL rats 1hour but not 14 days post dosing. 2022 , 65, 56-67	0
56	Host resistance to <i>Mycoplasma gallisepticum</i> infection is enhanced by inhibiting PI3K/Akt pathway in Andrographolide-treating chickens. 2022 , 113, 109419	0
55	Mechanisms of Male Reproductive Toxicity of Polybrominated Diphenyl Ethers. 2022 , 23, 14229	2
54	The Role of Autophagy in Renal Fibrosis. 2022 , 12, 10522-10531	0
53	CFNC, a neocryptolepine derivative, inhibited the growth of gastric cancer AGS cells by inhibiting PI3K/AKT signaling pathway. 2023 , 938, 175408	1
52	Molecular recognition of some novel mTOR kinase inhibitors to develop anticancer leads by drug-likeness, molecular docking and molecular dynamics based virtual screening strategy. 2023 , 25, 100257	0
51	The role of erythrocytes and erythroid progenitor cells in tumors. 2022 , 17, 1641-1656	0
50	Insights into the aberrant CDK4/6 signaling pathway as a therapeutic target in tumorigenesis. 2022 ,	0
49	Pyrazolyl-s-triazine with indole motif as a novel of epidermal growth factor receptor/cyclin-dependent kinase 2 dual inhibitors. 10,	0
48	The importance of habitat in the tumor-associated Pten, Mtor, and Akt gene expressions and chromosomal aberrations for wild rats.	0
47	Activation of orphan receptor GPR132 induces cell differentiation in acute myeloid leukemia. 2022 , 13,	0

- 46 An integrated investigation of structural and pathway alteration caused by PIK3CA and TP53 mutations identified in cfDNA of metastatic breast cancer. ○
- 45 Differential Regulation of Two Arms of mTORC1 Pathway Fine-Tunes Global Protein Synthesis in Resting B Lymphocytes. **2022**, 23, 16017 ○
- 44 A review on the role of fatty acids in colorectal cancer progression. 13, 1
- 43 Therapeutic modulation of JAK-STAT, mTOR, and PPAR- α signaling in neurological dysfunctions. ○
- 42 Intracellular galectin-3 is a lipopolysaccharide sensor that promotes glycolysis through mTORC1 activation. **2022**, 13, ○
- 41 Targeting mTOR Signaling by Dietary Polysaccharides in Cancer Prevention: Advances and Challenges. ○
- 40 Design of new drugs for medullary thyroid carcinoma. 12, ○
- 39 Metabolic Adaptations of Cancer in Extreme Tumor Microenvironments. ○
- 38 Targeting CAR T Cells' Metabolic Pathways to Boost Their Effectiveness Against Tumors. **2023**, 1-19 ○
- 37 Regulatory T cells suppress CD4+ effector T cell activation by controlling protein synthesis. **2023**, 220, ○
- 36 A Cross-talk between Sestrins, Chronic Inflammation and Cellular Senescence Governs the Development of Age-associated Sarcopenia and Obesity. **2023**, 101852 ○
- 35 Single-cell transcriptomics: A new tool for studying diabetic kidney disease. 13, ○
- 34 The endocytosis inhibitor dynasore induces a DNA damage response pathway that can be manipulated for enhanced apoptosis. **2023**, 645, 1-9 ○
- 33 Association of metabolic syndrome and its components with the risk of kidney cancer: A cohort-based case-control study. **2022**, 1-10 ○
- 32 Defining the role of mTOR pathway in the regulation of stem cells of glioblastoma. **2022**, 100946 ○
- 31 Resveratrol Ameliorates Hyperglycemic Cultured Cells and Inhibits the Rheb/mTOR Interaction. **2023**, 18, 1934578X2211473 ○
- 30 Ketamine and Zinc: Treatment of Anorexia Nervosa Via Dual NMDA Receptor Modulation. **2023**, 37, 159-180 ○
- 29 Panax ginseng improves physical recovery and energy utilization on chronic fatigue in rats through the PI3K/AKT/mTOR signalling pathway. **2023**, 61, 316-323 ○

- 28 The immune system. **2023**, 1-46 ○
- 27 Restraint stress promotes lung cancer xenograft growth via the IL2-Ras-Erk pathway. ○
- 26 The activation of gastric inhibitory peptide/gastric inhibitory peptide receptor axis via sonic hedgehog signaling promotes the bridging of gapped nerves in sciatic nerve injury. ○
- 25 Cancer metabolism within tumor microenvironments. **2023**, 1867, 130330 ○
- 24 Intervertebral disc cell fate during aging and degeneration: apoptosis, senescence, and autophagy. **2023**, 14, 100210 ○
- 23 The metabolic crosstalk between PIN1 and the tumour microenvironment. **2023**, 91, 143-157 ○
- 22 The interaction between Hsp90-mediated unfolded protein response and autophagy contributes to As3+/ Se4+ combination-induced apoptosis of acute promyelocytic leukemia cells. **2023**, 467, 116511 ○
- 21 Molecular and therapeutic insights of rapamycin: a multi-faceted drug from *Streptomyces hygroscopicus*. **2023**, 50, 3815-3833 ○
- 20 Dysregulation of the mTOR pathway by mechlorethamine. **2023**, 486, 153434 ○
- 19 Farnesoid X Receptor (FXR) Regulates mTORC1 Signaling and Autophagy by Inhibiting SESN2 Expression. **2023**, 67, 2200517 ○
- 18 LAT1 expression influences Paneth cell number and tumor development in *ApcMin/+* mice. ○
- 17 Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (*Cervus elaphus alxaiicus*) and Blue Sheep (*Pseudois nayaur*). **2023**, 13, 553 ○
- 16 Rational design and appraisal of selective Cdc2-Like kinase 1 (Clk1) inhibitors as novel autophagy inducers for the treatment of acute liver injury (ALI). **2023**, 250, 115168 ○
- 15 Genetic Evidence Supporting Causal Roles of mTOR-Dependent Proteins in Rheumatic Fever: A Two-Sample Randomized Mendelian Study. **2023**, 40, 1590-1600 ○
- 14 Hesperetin Induces Autophagy and Delayed Apoptosis by Modulating the AMPK/Akt/mTOR Pathway in Human Leukemia Cells In Vitro. **2023**, 45, 1587-1600 ○
- 13 Drugging Hijacked Kinase Pathways in Pediatric Oncology: Opportunities and Current Scenario. **2023**, 15, 664 ○
- 12 Nanomedicine in therapeutic warfront against estrogen receptor β positive breast cancer. ○
- 11 Niacin/ β -hydroxybutyrate regulates milk fat and milk protein synthesis via the GPR109A/Gi/mTORC1 pathway. **2023**, 14, 2642-2656 ○

- 10 Case Report: Partial response to single-agent pembrolizumab in a chemotherapy-resistant metastatic pancreatic cancer patient with a high tumor mutation burden. 13,
- 9 Identification of Kinase Targets for Enhancing the Antitumor Activity of Eribulin in Triple-Negative Breast Cell Lines. 2023, 11, 735
- 8 Impact of lifestyle modification on glycemic control and cognitive function among Type II diabetes mellitus patients. 2023, 9,
- 7 Sleeve Gastrectomy Improves Hepatic Glucose Metabolism by Downregulating FBXO2 and Activating the PI3K-AKT Pathway. 2023, 24, 5544
- 6 Lymphangioliomyomatosis in lymph node cytology: Another Floating Island to visit.
- 5 Association of Maternal Metabolites and Metabolite Networks with Newborn Outcomes in a Multi-Ancestry Cohort. 2023, 13, 505
- 4 The relationship between CD4+ T cell glycolysis and their functions. 2023,
- 3 Lysosomal nanotoxicity: Impact of nanomedicines on lysosomal function. 2023, 197, 114828
- 2 Biogenic green metal nano systems as efficient anti-cancer agents. 2023, 115933
- 1 KRAS, MYC, and ARF6: inseparable relationships cooperatively promote cancer malignancy and immune evasion. 2023, 21,