

Hongbing Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

9,583
citations

159585

30
h-index

106344

65
g-index

68
all docs

68
docs citations

68
times ranked

19680
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	A mouse model of TSC1 reveals sex-dependent lethality from liver hemangiomas, and up-regulation of p70S6 kinase activity in Tsc1 null cells. <i>Human Molecular Genetics</i> , 2002, 11, 525-534.	2.9	580
3	Mammalian target of rapamycin up-regulation of pyruvate kinase isoenzyme type M2 is critical for aerobic glycolysis and tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4129-4134.	7.1	498
4	Loss of Tsc1/Tsc2 activates mTOR and disrupts PI3K-Akt signaling through downregulation of PDGFR. <i>Journal of Clinical Investigation</i> , 2003, 112, 1223-1233.	8.2	434
5	PDGFRs are critical for PI3K/Akt activation and negatively regulated by mTOR. <i>Journal of Clinical Investigation</i> , 2007, 117, 730-738.	8.2	321
6	Loss of Tsc1/Tsc2 activates mTOR and disrupts PI3K-Akt signaling through downregulation of PDGFR. <i>Journal of Clinical Investigation</i> , 2003, 112, 1223-1233.	8.2	300
7	TSC1 controls macrophage polarization to prevent inflammatory disease. <i>Nature Communications</i> , 2014, 5, 4696.	12.8	240
8	Golgi protein 73 (GOLPH2) is a valuable serum marker for hepatocellular carcinoma. <i>Gut</i> , 2010, 59, 1687-1693.	12.1	215
9	Regulation of Autophagy by mTOR Signaling Pathway. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1206, 67-83.	1.6	211
10	Mammalian target of rapamycin regulates murine and human cell differentiation through STAT3/p63/Jagged/Notch cascade. <i>Journal of Clinical Investigation</i> , 2010, 120, 103-114.	8.2	207
11	Mutation in TSC2 and activation of mammalian target of rapamycin signalling pathway in renal angiomyolipoma. <i>Lancet, The</i> , 2003, 361, 1348-1349.	13.7	196
12	Lactate Dehydrogenase B Is Critical for Hyperactive mTOR-Mediated Tumorigenesis. <i>Cancer Research</i> , 2011, 71, 13-18.	0.9	152
13	Three-dimensional bioprinted hepatorganoids prolong survival of mice with liver failure. <i>Gut</i> , 2021, 70, 567-574.	12.1	108
14	Gut stem cell aging is driven by mTORC1 via a p38 MAPK-p53 pathway. <i>Nature Communications</i> , 2020, 11, 37.	12.8	87
15	Avian influenza A virus H5N1 causes autophagy-mediated cell death through suppression of mTOR signaling. <i>Journal of Genetics and Genomics</i> , 2011, 38, 533-537.	3.9	84
16	mTOR Overactivation and Compromised Autophagy in the Pathogenesis of Pulmonary Fibrosis. <i>PLoS ONE</i> , 2015, 10, e0138625.	2.5	77
17	Three-dimensional bio-printing of primary human hepatocellular carcinoma for personalized medicine. <i>Biomaterials</i> , 2021, 265, 120416.	11.4	74
18	PKD4 Protein Promotes Tumorigenesis through Activation of cAMP-response Element-binding Protein (CREB)-Ras Homolog Enriched in Brain (RHEB)-mTORC1 Signaling Cascade. <i>Journal of Biological Chemistry</i> , 2014, 289, 29739-29749.	3.4	73

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19	mTORC1 Up-Regulates GP73 to Promote Proliferation and Migration of Hepatocellular Carcinoma Cells and Growth of Xenograft Tumors in Mice. <i>Gastroenterology</i> , 2015, 149, 741-752.e14.	1.3	68
20	Perturbed IFN- γ -Jak-Signal Transducers and Activators of Transcription Signaling in Tuberous Sclerosis Mouse Models. <i>Cancer Research</i> , 2004, 64, 3436-3443.	0.9	56
21	Increased Golgi protein 73 expression in hepatocellular carcinoma tissue correlates with tumor aggression but not survival. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011, 26, 1207-1212.	2.8	52
22	Application of a 3D Bioprinted Hepatocellular Carcinoma Cell Model in Antitumor Drug Research. <i>Frontiers in Oncology</i> , 2020, 10, 878.	2.8	52
23	Phosphoglyceric acid mutase-1 contributes to oncogenic mTOR-mediated tumor growth and confers non-small cell lung cancer patients with poor prognosis. <i>Cell Death and Differentiation</i> , 2018, 25, 1160-1173.	11.2	51
24	SLC7A11/xCT Prevents Cardiac Hypertrophy by Inhibiting Ferroptosis. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 437-447.	2.6	47
25	NF- κ B up-regulation of glucose transporter 3 is essential for hyperactive mammalian target of rapamycin-induced aerobic glycolysis and tumor growth. <i>Cancer Letters</i> , 2015, 359, 97-106.	7.2	46
26	MTOR inhibition attenuates DNA damage and apoptosis through autophagy-mediated suppression of CREB1. <i>Autophagy</i> , 2013, 9, 2069-2086.	9.1	41
27	mTOR/miR-145-regulated exosomal GOLM1 promotes hepatocellular carcinoma through augmented GSK-3 β /MMPs. <i>Journal of Genetics and Genomics</i> , 2019, 46, 235-245.	3.9	41
28	A positive feedback loop between mTORC1 and cathelicidin promotes skin inflammation in rosacea. <i>EMBO Molecular Medicine</i> , 2021, 13, e13560.	6.9	41
29	Golgi protein 73 activation of MMP-13 promotes hepatocellular carcinoma cell invasion. <i>Oncotarget</i> , 2015, 6, 33523-33533.	1.8	40
30	Brain-expressed X-linked 2 Is Pivotal for Hyperactive Mechanistic Target of Rapamycin (mTOR)-mediated Tumorigenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 25756-25765.	3.4	37
31	TSC1 controls IL-1 β expression in macrophages via mTORC1-dependent C/EBP β pathway. <i>Cellular and Molecular Immunology</i> , 2016, 13, 640-650.	10.5	36
32	Time-restricted feeding causes irreversible metabolic disorders and gut microbiota shift in pediatric mice. <i>Pediatric Research</i> , 2019, 85, 518-526.	2.3	32
33	Alteration in gut microbiota caused by time-restricted feeding alleviate hepatic ischaemia reperfusion injury in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1714-1722.	3.6	30
34	Bone Size and Quality Regulation: Concerted Actions of mTOR in Mesenchymal Stromal Cells and Osteoclasts. <i>Stem Cell Reports</i> , 2017, 8, 1600-1616.	4.8	29
35	Tsc1 deficiency-mediated mTOR hyperactivation in vascular endothelial cells causes angiogenesis defects and embryonic lethality. <i>Human Molecular Genetics</i> , 2014, 23, 693-705.	2.9	24
36	A microRNA-1280/JAG2 network comprises a novel biological target in high-risk medulloblastoma. <i>Oncotarget</i> , 2015, 6, 2709-2724.	1.8	24

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37	Huaier aqueous extract sensitizes cells to rapamycin and cisplatin through activating mTOR signaling. <i>Journal of Ethnopharmacology</i> , 2016, 186, 143-150.	4.1	21
38	Analysis of genetic and clinical characteristics of a Chinese Kallmann syndrome cohort with ANOS1 mutations. <i>European Journal of Endocrinology</i> , 2017, 177, 389-398.	3.7	21
39	mTOR-dependent upregulation of xCT blocks melanin synthesis and promotes tumorigenesis. <i>Cell Death and Differentiation</i> , 2019, 26, 2015-2028.	11.2	20
40	Deficient TSC1/TSC2-complex suppression of SOX9-osteopontin-AKT signalling cascade constrains tumour growth in tuberous sclerosis complex. <i>Human Molecular Genetics</i> , 2017, 26, ddw397.	2.9	19
41	Huaier aqueous extract inhibits proliferation and metastasis of tuberous sclerosis complex cell models through downregulation of JAK2/STAT3 and MAPK signaling pathways. <i>Oncology Reports</i> , 2016, 36, 1491-1498.	2.6	18
42	GOLM1 restricts colitis and colon tumorigenesis by ensuring Notch signaling equilibrium in intestinal homeostasis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 148.	17.1	17
43	Rapamycin for lymphangioleiomyomatosis: optimal timing and optimal dosage. <i>Thorax</i> , 2018, 73, 308-310.	5.6	16
44	Characteristics of the sputum microbiome in COPD exacerbations and correlations between clinical indices. <i>Journal of Translational Medicine</i> , 2022, 20, 76.	4.4	16
45	AKT1-CREB stimulation of PDGFR β expression is pivotal for PTEN deficient tumor development. <i>Cell Death and Disease</i> , 2021, 12, 172.	6.3	15
46	Homozygous ALOXE3 Nonsense Variant Identified in a Patient with Non-Bullous Congenital Ichthyosiform Erythroderma Complicated by Superimposed Bullous Majocchi's Granuloma: The Consequences of Skin Barrier Dysfunction. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21791-21801.	4.1	14
47	mTORC1-mediated downregulation of COX2 restrains tumor growth caused by TSC2 deficiency. <i>Oncotarget</i> , 2016, 7, 28435-28447.	1.8	14
48	Effects of interferons and double-stranded RNA on human prostate cancer cell apoptosis. <i>Oncotarget</i> , 2015, 6, 39184-39195.	1.8	14
49	mTORC1 alters the expression of glycolytic genes by regulating KPNA2 abundances. <i>Journal of Proteomics</i> , 2016, 136, 13-24.	2.4	11
50	Omeprazole Alleviates Aristolochia manshuriensis Kom-Induced Acute Nephrotoxicity. <i>PLoS ONE</i> , 2016, 11, e0164215.	2.5	7
51	Dynamic Observation of Autophagy and Transcriptome Profiles in a Mouse Model of Bleomycin-Induced Pulmonary Fibrosis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 664913.	3.5	7
52	Hyperactivated mTORC1 downregulation of FOXO3a/PDGFR β /AKT cascade restrains tuberous sclerosis complex-associated tumor development. <i>Oncotarget</i> , 2017, 8, 54858-54872.	1.8	6
53	Use of Whole-Exome Sequencing for the Diagnosis of Atypical Birt-Hogg-Dub Syndrome. <i>Journal of Genetics and Genomics</i> , 2014, 41, 449-451.	3.9	5
54	Novel rare variants in <i>FGFR1</i> and clinical characteristics analysis in a series of congenital hypogonadotropic hypogonadism patients. <i>Clinical Endocrinology</i> , 2021, 95, 153-162.	2.4	5

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55	Deficient Rnf43 potentiates hyperactive Krasâ€mediated pancreatic preneoplasia initiation and malignant transformation. <i>Animal Models and Experimental Medicine</i> , 2022, 5, 61-71.	3.3	5
56	Epidemiological and clinical differences of coronavirus disease 2019 patients with distinct viral exposure history. <i>Virulence</i> , 2020, 11, 1015-1023.	4.4	4
57	Up-regulation of brain-expressed X-linked 2 is critical for hepatitis B virus X protein-induced hepatocellular carcinoma development. <i>Oncotarget</i> , 2017, 8, 65789-65799.	1.8	4
58	Humoral response to inactivated SARS-CoV-2 vaccines in patients on sirolimus alone. <i>Science China Life Sciences</i> , 2022, 65, 2118-2120.	4.9	4
59	Acquired Cardiomyopathy Caused by Cardiac Tsc1 Deficiency. <i>Journal of Genetics and Genomics</i> , 2014, 41, 73-77.	3.9	3
60	Ca ²⁺ /calmodulin-dependent protein kinase II inhibition reduces myocardial fatty acid uptake and oxidation after myocardial infarction. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159120.	2.4	3
61	eIF4A1 Inhibitor Suppresses Hyperactive mTOR-Associated Tumors by Inducing Necroptosis and G2/M Arrest. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6932.	4.1	3
62	Î±Bâ€crystallin/HSPB2 is critical for hyperactive mTORâ€induced cardiomyopathy. <i>Journal of Cellular Physiology</i> , 2021, , .	4.1	2
63	Aberrant mTOR/autophagy/Nurr1 signaling is critical for TSC-associated tumor development. <i>Biochemistry and Cell Biology</i> , 2021, 99, 1-8.	2.0	2
64	Digital Karyotyping with Whole Genomic Sequencing for Complex Congenital Disorder. <i>Journal of Genetics and Genomics</i> , 2015, 42, 651-655.	3.9	1
65	The miR-23b/27b/24-1 Cluster Inhibits Hepatic Fibrosis by Inactivating Hepatic Stellate Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1393-1412.	4.5	1