

Xiao-Ming Yin

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

17,100
citations

61984

43
h-index

62596

80
g-index

96
all docs

96
docs citations

96
times ranked

29138
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	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Principles and Current Strategies for Targeting Autophagy for Cancer Treatment. <i>Clinical Cancer Research</i> , 2011, 17, 654-666.	7.0	789
4	Mitophagy: mechanisms, pathophysiological roles, and analysis. <i>Biological Chemistry</i> , 2012, 393, 547-564.	2.5	764
5	Nix Is Critical to Two Distinct Phases of Mitophagy, Reactive Oxygen Species-mediated Autophagy Induction and Parkin-Ubiquitin-p62-mediated Mitochondrial Priming. <i>Journal of Biological Chemistry</i> , 2010, 285, 27879-27890.	3.4	507
6	Autophagy Reduces Acute Ethanol-Induced Hepatotoxicity and Steatosis in Mice. <i>Gastroenterology</i> , 2010, 139, 1740-1752.	1.3	443
7	Differential Effects of Endoplasmic Reticulum Stress-induced Autophagy on Cell Survival. <i>Journal of Biological Chemistry</i> , 2007, 282, 4702-4710.	3.4	435
8	Functions of autophagy in normal and diseased liver. <i>Autophagy</i> , 2013, 9, 1131-1158.	9.1	384
9	Pharmacological promotion of autophagy alleviates steatosis and injury in alcoholic and non-alcoholic fatty liver conditions in mice. <i>Journal of Hepatology</i> , 2013, 58, 993-999.	3.7	349
10	Sorting, recognition and activation of the misfolded protein degradation pathways through macroautophagy and the proteasome. <i>Autophagy</i> , 2008, 4, 141-150.	9.1	332
11	Endoplasmic Reticulum Stress Activates the Inflammasome via NLRP3- and Caspase-2-Driven Mitochondrial Damage. <i>Immunity</i> , 2015, 43, 451-462.	14.3	328
12	Signal transduction mediated by Bid, a pro-death Bcl-2 family proteins, connects the death receptor and mitochondria apoptosis pathways. <i>Cell Research</i> , 2000, 10, 161-167.	12.0	294
13	Autophagy in the liver. <i>Hepatology</i> , 2008, 47, 1773-1785.	7.3	230
14	PINK1-PRKN/PARK2 pathway of mitophagy is activated to protect against renal ischemia-reperfusion injury. <i>Autophagy</i> , 2018, 14, 880-897.	9.1	209
15	Mitochondrial quality control in kidney injury and repair. <i>Nature Reviews Nephrology</i> , 2021, 17, 299-318.	9.6	209
16	Nitric Oxide Prevents Tumor Necrosis Factor α -Induced Rat Hepatocyte Apoptosis by the Interruption of Mitochondrial Apoptotic Signaling Through S-Nitrosylation of Caspase-8. <i>Hepatology</i> , 2000, 32, 770-778.	7.3	205
17	Kinetics Comparisons of Mammalian Atg4 Homologues Indicate Selective Preferences toward Diverse Atg8 Substrates. <i>Journal of Biological Chemistry</i> , 2011, 286, 7327-7338.	3.4	201
18	MST4 Phosphorylation of ATG4B Regulates Autophagic Activity, Tumorigenicity, and Radioresistance in Glioblastoma. <i>Cancer Cell</i> , 2017, 32, 840-855.e8.	16.8	188

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19	Persistent activation of autophagy in kidney tubular cells promotes renal interstitial fibrosis during unilateral ureteral obstruction. <i>Autophagy</i> , 2016, 12, 976-998.	9.1	187
20	A smartphone-read ultrasensitive and quantitative saliva test for COVID-19. <i>Science Advances</i> , 2021, 7, .	10.3	175
21	Bid, a BH3-only multi-functional molecule, is at the cross road of life and death. <i>Gene</i> , 2006, 369, 7-19.	2.2	168
22	Clearance of damaged mitochondria via mitophagy is important to the protective effect of ischemic preconditioning in kidneys. <i>Autophagy</i> , 2019, 15, 2142-2162.	9.1	157
23	Suppression of Lysosome Function Induces Autophagy via a Feedback Down-regulation of MTOR Complex 1 (MTORC1) Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 35769-35780.	3.4	153
24	Death Receptor Activation-Induced Hepatocyte Apoptosis and Liver Injury. <i>Current Molecular Medicine</i> , 2003, 3, 491-508.	1.3	141
25	Activation of BNIP3-mediated mitophagy protects against renal ischemiaâ€“reperfusion injury. <i>Cell Death and Disease</i> , 2019, 10, 677.	6.3	125
26	Parkin and Mitofusins Reciprocally Regulate Mitophagy and Mitochondrial Spheroid Formation. <i>Journal of Biological Chemistry</i> , 2012, 287, 42379-42388.	3.4	112
27	Autophagy is a gatekeeper of hepatic differentiation and carcinogenesis by controlling the degradation of Yap. <i>Nature Communications</i> , 2018, 9, 4962.	12.8	111
28	Discovery of a small molecule targeting autophagy via ATG4B inhibition and cell death of colorectal cancer cells in vitro and in vivo. <i>Autophagy</i> , 2019, 15, 295-311.	9.1	103
29	Bid-mediated Mitochondrial Pathway Is Critical to Ischemic Neuronal Apoptosis and Focal Cerebral Ischemia. <i>Journal of Biological Chemistry</i> , 2002, 277, 42074-42081.	3.4	102
30	Bid, a critical mediator for apoptosis induced by the activation of Fas/TNF-R1 death receptors in hepatocytes. <i>Journal of Molecular Medicine</i> , 2000, 78, 203-211.	3.9	98
31	SARS-CoV-2 Infects Endothelial Cells In Vivo and In Vitro. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 701278.	3.9	95
32	Electron Microscopic Analysis of a Spherical Mitochondrial Structure. <i>Journal of Biological Chemistry</i> , 2012, 287, 42373-42378.	3.4	94
33	Induction of macroautophagy by exogenously introduced calcium. <i>Autophagy</i> , 2008, 4, 754-761.	9.1	92
34	Liposome-mediated detection of SARS-CoV-2 RNA-positive extracellular vesicles in plasma. <i>Nature Nanotechnology</i> , 2021, 16, 1039-1044.	31.5	90
35	HMGB1 promotes ductular reaction and tumorigenesis in autophagy-deficient livers. <i>Journal of Clinical Investigation</i> , 2018, 128, 2419-2435.	8.2	85
36	Biochemical Isolation and Characterization of the Tubulovesicular LC3-positive Autophagosomal Compartment. <i>Journal of Biological Chemistry</i> , 2010, 285, 1371-1383.	3.4	83

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37	Autophagy Induced by Calcium Phosphate Precipitates Targets Damaged Endosomes. <i>Journal of Biological Chemistry</i> , 2014, 289, 11162-11174.	3.4	69
38	Protein Kinase C δ Suppresses Autophagy to Induce Kidney Cell Apoptosis in Cisplatin Nephrotoxicity. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1131-1144.	6.1	67
39	Histone deacetylase inhibitors protect against cisplatin-induced acute kidney injury by activating autophagy in proximal tubular cells. <i>Cell Death and Disease</i> , 2018, 9, 322.	6.3	67
40	Autophagy in non-alcoholic fatty liver disease and alcoholic liver disease. <i>Liver Research</i> , 2018, 2, 112-119.	1.4	67
41	A high-throughput FRET-based assay for determination of Atg4 activity. <i>Autophagy</i> , 2012, 8, 401-412.	9.1	60
42	Hepatic senescence, the good and the bad. <i>World Journal of Gastroenterology</i> , 2019, 25, 5069-5081.	3.3	54
43	Dynamic MTORC1-TFEB feedback signaling regulates hepatic autophagy, steatosis and liver injury in long-term nutrient oversupply. <i>Autophagy</i> , 2018, 14, 1779-1795.	9.1	53
44	Tubular cells produce FGF2 via autophagy after acute kidney injury leading to fibroblast activation and renal fibrosis. <i>Autophagy</i> , 2023, 19, 256-277.	9.1	46
45	Hepatic Autophagy Deficiency Compromises Farnesoid X Receptor Functionality and Causes Cholestatic Injury. <i>Hepatology</i> , 2019, 69, 2196-2213.	7.3	45
46	Kinetics and specificity of paternal mitochondrial elimination in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2016, 7, 12569.	12.8	43
47	Role of High-Mobility Group Box-1 in Liver Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5314.	4.1	43
48	Golgi-associated LC3 lipidation requires V-ATPase in noncanonical autophagy. <i>Cell Death and Disease</i> , 2016, 7, e2330-e2330.	6.3	38
49	Autophagy Induced by Calcium Phosphate Precipitates Involves Endoplasmic Reticulum Membranes in Autophagosome Biogenesis. <i>PLoS ONE</i> , 2012, 7, e52347.	2.5	36
50	Ethanol-triggered Lipophagy Requires SQSTM1 in AML12 Hepatic Cells. <i>Scientific Reports</i> , 2017, 7, 12307.	3.3	36
51	Targeting ATG4 in Cancer Therapy. <i>Cancers</i> , 2019, 11, 649.	3.7	36
52	The reciprocal roles of PARK2 and mitofusins in mitophagy and mitochondrial spheroid formation. <i>Autophagy</i> , 2013, 9, 1687-1692.	9.1	35
53	Autophagy in alcoholic liver disease, self-eating triggered by drinking. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2015, 39, S2-S6.	1.5	34
54	Relevance of autophagy to fatty liver diseases and potential therapeutic applications. <i>Amino Acids</i> , 2017, 49, 1965-1979.	2.7	34

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55	TBC1D9B functions as a GTPase-activating protein for Rab11a in polarized MDCK cells. <i>Molecular Biology of the Cell</i> , 2014, 25, 3779-3797.	2.1	33
56	Ct Values Do Not Predict Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmissibility in College Students. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 1078-1084.	2.8	29
57	The protease activity of human ATG4B is regulated by reversible oxidative modification. <i>Autophagy</i> , 2020, 16, 1838-1850.	9.1	27
58	Bif-1 Interacts with Prohibitin-2 to Regulate Mitochondrial Inner Membrane during Cell Stress and Apoptosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1174-1191.	6.1	25
59	BID mediates selective killing of APC-deficient cells in intestinal tumor suppression by nonsteroidal antiinflammatory drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16520-16525.	7.1	24
60	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	21
61	Homeostatic Role of Autophagy in Hepatocytes. <i>Seminars in Liver Disease</i> , 2018, 38, 308-319.	3.6	19
62	Automated assessment of steatosis in murine fatty liver. <i>PLoS ONE</i> , 2018, 13, e0197242.	2.5	18
63	Hepatic Autophagy Deficiency Remodels Gut Microbiota for Adaptive Protection via FGF15-FGFR4 Signaling. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 973-997.	4.5	18
64	The Activation and Function of Autophagy in Alcoholic Liver Disease. <i>Current Molecular Pharmacology</i> , 2017, 10, 165-171.	1.5	17
65	New Anti-Cancer Strategy to Suppress Colorectal Cancer Growth Through Inhibition of ATG4B and Lysosome Function. <i>Cancers</i> , 2020, 12, 1523.	3.7	16
66	Proteomics analysis of starved cells revealed Annexin A1 as an important regulator of autophagic degradation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 581-586.	2.1	15
67	Autophagy, Metabolism, and Alcohol-Related Liver Disease: Novel Modulators and Functions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5029.	4.1	15
68	Interaction of TBC1D9B with Mammalian ATG8 Homologues Regulates Autophagic Flux. <i>Scientific Reports</i> , 2018, 8, 13496.	3.3	14
69	Nicosamide Triggers Non-Canonical LC3 Lipidation. <i>Cells</i> , 2019, 8, 248.	4.1	14
70	The HMGB1-RAGE axis modulates the growth of autophagy-deficient hepatic tumors. <i>Cell Death and Disease</i> , 2020, 11, 333.	6.3	14
71	AMDE-1 Is a Dual Function Chemical for Autophagy Activation and Inhibition. <i>PLoS ONE</i> , 2015, 10, e0122083.	2.5	13
72	Diverse Consequences in Liver Injury in Mice with Different Autophagy Functional Status Treated with Alcohol. <i>American Journal of Pathology</i> , 2019, 189, 1744-1762.	3.8	8

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73	Senescence Connects Autophagy Deficiency to Inflammation and Tumor Progression in the Liver. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 333-355.	4.5	8
74	The Role of Extracellular Vesicles in Liver Pathogenesis. American Journal of Pathology, 2022, 192, 1358-1367.	3.8	7
75	Gut microbiome in liver pathophysiology and cholestatic liver disease. Liver Research, 2021, 5, 151-163.	1.4	6
76	Autophagy in liver diseases: A matter of what to remove and whether to keep. Liver Research, 2018, 2, 109-111.	1.4	4
77	Analysis of Autophagy for Liver Pathogenesis. Methods in Molecular Biology, 2019, 1880, 481-489.	0.9	3
78	Gene Expression Analysis Indicates Divergent Mechanisms in DEN-Induced Carcinogenesis in Wild Type and Bid-Deficient Livers. PLoS ONE, 2016, 11, e0155211.	2.5	3
79	The Golgi complex. Cell Cycle, 2013, 12, 12-12.	2.6	2
80	NADPH oxidase-dependent reactive oxygen species are important to the early stage of CD95 engagement in hepatocytes. Hepatology, 2005, 42, 956-958.	7.3	1
81	Insights from a high-fat diet fed mouse model with a humanized liver. PLoS ONE, 2022, 17, e0268260.	2.5	1
82	Hepatic Autophagy Deficiency Leads to Increased Production of Extracellular Vesicles. FASEB Journal, 2021, 35, .	0.5	0
83	BID deficiency leads to resistance to diet-induced obesity and hepatic steatosis and reduced expression of fatty acid receptor, CD36. FASEB Journal, 2021, 35, .	0.5	0
84	Bid-independent mitochondria activation in TNF α -induced apoptosis and liver injury. FASEB Journal, 2007, 21, A188.	0.5	0
85	Proteomics analysis of autophagic cells under starvation. FASEB Journal, 2009, 23, 858.2.	0.5	0
86	Control of Mitochondria Destiny by Autophagy and a Novel Mitochondrial Dynamics. FASEB Journal, 2013, 27, 832.3.	0.5	0
87	Modulation of Autophagy Affects the Hepatic Pathology in Alcoholic and Non-alcoholic Liver Diseases. FASEB Journal, 2013, 27, 1086.2.	0.5	0
88	Autophagy Regulates Bile Acid Metabolism via a NRF2-FXR Signaling Axis. FASEB Journal, 2019, 33, 126.3.	0.5	0
89	Autophagy Deficiency in the Liver Altered Pathogenesis of Alcoholic Liver Disease and Profile of Gut Microbiota. FASEB Journal, 2019, 33, 126.5.	0.5	0
90	Authors' Reply. Journal of Molecular Diagnostics, 2022, 24, 103.	2.8	0

#	ARTICLE	IF	CITATIONS
91	A Novel Murine Model for Studying Alcohol-associated Biliary Dysfunction. FASEB Journal, 2022, 36, .	0.5	0
92	Revealing novel molecular pathways in exosome production and pathological effects in the context of autophagy deficiency. FASEB Journal, 2022, 36, .	0.5	0