

# Yingmei Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

9,920  
citations

71097

41  
h-index

46795

89  
g-index

98  
all docs

98  
docs citations

98  
times ranked

18237  
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	Endoplasmic reticulum stress and unfolded protein response in cardiovascular diseases. <i>Nature Reviews Cardiology</i> , 2021, 18, 499-521.	13.7	283
3	Targeting autophagy in obesity: from pathophysiology to management. <i>Nature Reviews Endocrinology</i> , 2018, 14, 356-376.	9.6	244
4	Sirt3 deficiency exacerbates diabetic cardiac dysfunction: Role of Foxo3A-Parkin-mediated mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1973-1983.	3.8	219
5	Targeting Autophagy in Aging and Aging-Related Cardiovascular Diseases. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 1064-1076.	8.7	191
6	Inhibitory effect of melatonin on necroptosis via repressing the Ripk3&#x2013;PGAM5&#x2013;CypD&#x2013;MPTP pathway attenuates cardiac microvascular ischemia&#x2013;reperfusion injury. <i>Journal of Pineal Research</i> , 2018, 65, e12503.	7.4	186
7	Mitophagy and mitochondrial integrity in cardiac ischemia-reperfusion injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2293-2302.	3.8	162
8	Obesity cardiomyopathy: evidence, mechanisms, and therapeutic implications. <i>Physiological Reviews</i> , 2021, 101, 1745-1807.	28.8	150
9	Adiponectin knockout accentuates high fat diet-induced obesity and cardiac dysfunction: Role of autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1136-1148.	3.8	137
10	Mitophagy, Mitochondrial Dynamics, and Homeostasis in Cardiovascular Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	4.0	135
11	ALDH2 in alcoholic heart diseases: Molecular mechanism and clinical implications. , 2011, 132, 86-95.		134
12	Akt2 knockout preserves cardiac function in high-fat diet-induced obesity by rescuing cardiac autophagosome maturation. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 61-63.	3.3	126
13	Mitochondrial aldehyde dehydrogenase 2 accentuates aging-induced cardiac remodeling and contractile dysfunction: role of AMPK, Sirt1, and mitochondrial function. <i>Free Radical Biology and Medicine</i> , 2014, 71, 208-220.	2.9	112
14	Bax inhibitor 1 preserves mitochondrial homeostasis in acute kidney injury through promoting mitochondrial retention of PHB2. <i>Theranostics</i> , 2020, 10, 384-397.	10.0	112
15	DNA-PKcs promotes cardiac ischemia reperfusion injury through mitigating BI-1-governed mitochondrial homeostasis. <i>Basic Research in Cardiology</i> , 2020, 115, 11.	5.9	106
16	Autophagy as an emerging target in cardiorenal metabolic disease: From pathophysiology to management. , 2018, 191, 1-22.		100
17	Akt2 ablation prolongs life span and improves myocardial contractile function with adaptive cardiac remodeling: role of Sirt1&#x2013;mediated autophagy regulation. <i>Aging Cell</i> , 2017, 16, 976-987.	6.7	97
18	Epigenetics and obesity cardiomyopathy: From pathophysiology to prevention and management. , 2016, 161, 52-66.		95

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19	Mitophagy inhibitor liensinine suppresses doxorubicin-induced cardiotoxicity through inhibition of Drp1-mediated maladaptive mitochondrial fission. <i>Pharmacological Research</i> , 2020, 157, 104846.	7.1	84
20	Metabolic Stress, Autophagy, and Cardiovascular Aging: from Pathophysiology to Therapeutics. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 699-711.	7.1	83
21	A novel protective mechanism for mitochondrial aldehyde dehydrogenase (ALDH2) in type i diabetes-induced cardiac dysfunction: Role of AMPK-regulated autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 319-331.	3.8	82
22	Complex inhibition of autophagy by mitochondrial aldehyde dehydrogenase shortens lifespan and exacerbates cardiac aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1919-1932.	3.8	81
23	Insulin-Like Growth Factor 1 Alleviates High-Fat Diet-Induced Myocardial Contractile Dysfunction. <i>Hypertension</i> , 2012, 59, 680-693.	2.7	78
24	FUNDC1 interacts with FBXL2 to govern mitochondrial integrity and cardiac function through an IP3R3-dependent manner in obesity. <i>Science Advances</i> , 2020, 6, .	10.3	77
25	Luteolin Attenuates Doxorubicin-Induced Cardiotoxicity Through Promoting Mitochondrial Autophagy. <i>Frontiers in Physiology</i> , 2020, 11, 113.	2.8	75
26	ALDH2 protects against high fat diet-induced obesity cardiomyopathy and defective autophagy: role of CaM kinase II, histone H3K9 methyltransferase SUV39H, Sirt1, and PGC-1 $\alpha$ deacetylation. <i>International Journal of Obesity</i> , 2018, 42, 1073-1087.	3.4	71
27	Physical Exercise and Selective Autophagy: Benefit and Risk on Cardiovascular Health. <i>Cells</i> , 2019, 8, 1436.	4.1	71
28	Mitophagy Receptors and Mediators: Therapeutic Targets in the Management of Cardiovascular Ageing. <i>Ageing Research Reviews</i> , 2020, 62, 101129.	10.9	65
29	Ablation of toll-like receptor 4 attenuates aging-induced myocardial remodeling and contractile dysfunction through NCoRI-HDAC1-mediated regulation of autophagy. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 119, 40-50.	1.9	61
30	Targeting Autophagy for the Therapeutic Application of Histone Deacetylase Inhibitors in Ischemia/Reperfusion Heart Injury. <i>Circulation</i> , 2014, 129, 1088-1091.	1.6	60
31	Mitochondrial ALDH2 protects against lipopolysaccharide-induced myocardial contractile dysfunction by suppression of ER stress and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1627-1641.	3.8	60
32	SIRT3 deficiency exacerbates p53/Parkin-mediated mitophagy inhibition and promotes mitochondrial dysfunction: Implication for aged hearts. <i>International Journal of Molecular Medicine</i> , 2018, 41, 3517-3526.	4.0	57
33	Polydatin protects cardiomyocytes against myocardial infarction injury by activating Sirt3. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1962-1972.	3.8	56
34	Cardiac-specific knockout of ETA receptor mitigates low ambient temperature-induced cardiac hypertrophy and contractile dysfunction. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 97-107.	3.3	55
35	TLR4 knockout attenuated high fat diet-induced cardiac dysfunction via NF- $\kappa$ B/JNK-dependent activation of autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2001-2011.	3.8	55
36	TBC1D15/RAB7-regulated mitochondria-lysosome interaction confers cardioprotection against acute myocardial infarction-induced cardiac injury. <i>Theranostics</i> , 2020, 10, 11244-11263.	10.0	55

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37	Inhibition of advanced glycation endproduct (AGE) rescues against streptozotocin-induced diabetic cardiomyopathy: Role of autophagy and ER stress. <i>Toxicology Letters</i> , 2018, 284, 10-20.	0.8	50
38	Permissive role of AMPK and autophagy in adiponectin deficiency-accentuated myocardial injury and inflammation in endotoxemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 93, 18-31.	1.9	49
39	Berberine Promotes Cardiac Function by Upregulating PINK1/Parkin-Mediated Mitophagy in Heart Failure. <i>Frontiers in Physiology</i> , 2020, 11, 565751.	2.8	49
40	Ablation of Akt2 protects against lipopolysaccharide-induced cardiac dysfunction: Role of Akt ubiquitination E3 ligase TRAF6. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 76-87.	1.9	46
41	Autophagy in ALDH2-elicited cardioprotection against ischemic heart disease: Slayer or savior?. <i>Autophagy</i> , 2010, 6, 1212-1213.	9.1	39
42	Interrelationship between Alzheimer's disease and cardiac dysfunction: the brain&ndash;heart continuum?. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 1-8.	2.0	38
43	Cardiac overexpression of metallothionein rescues cold exposure-induced myocardial contractile dysfunction through attenuation of cardiac fibrosis despite cardiomyocyte mechanical anomalies. <i>Free Radical Biology and Medicine</i> , 2012, 53, 194-207.	2.9	37
44	Enzyme-based autophagy in anti-neoplastic management: From molecular mechanisms to clinical therapeutics. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1874, 188366.	7.4	37
45	Cardiac Tumors: Clinical Perspective and Therapeutic Considerations. <i>Current Drug Targets</i> , 2017, 18, 1805-1809.	2.1	36
46	Helix B surface peptide attenuates diabetic cardiomyopathy via AMPK-dependent autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 665-671.	2.1	35
47	MTOR overactivation and interrupted autophagy flux in obese hearts. <i>Autophagy</i> , 2013, 9, 939-941.	9.1	33
48	Targeting acetaldehyde dehydrogenase 2 (ALDH2) in heart failure&quot;Recent insights and perspectives. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1933-1941.	3.8	32
49	Acetylation in cardiovascular diseases: Molecular mechanisms and clinical implications. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165836.	3.8	32
50	Toll-like receptor 4 knockout alleviates paraquat-induced cardiomyocyte contractile dysfunction through an autophagy-dependent mechanism. <i>Toxicology Letters</i> , 2016, 257, 11-22.	0.8	31
51	Dysregulation of iron metabolism in cardiovascular diseases: From iron deficiency to iron overload. <i>Biochemical Pharmacology</i> , 2021, 190, 114661.	4.4	30
52	Autophagic Regulation of Lipid Homeostasis in Cardiometabolic Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 38.	2.4	29
53	Inhibition of AMPK accentuates prolonged caloric restriction-induced change in cardiac contractile function through disruption of compensatory autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 332-342.	3.8	27
54	<sc>CD74</sc> knockout protects against LPS&ndash;induced myocardial contractile dysfunction through <sc>AMPK&ndash;Skp2&ndash;SUV39H1</sc>-mediated demethylation of <sc>BCLB</sc>. <i>British Journal of Pharmacology</i> , 2020, 177, 1881-1897.	5.4	27

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55	Mitochondrial aldehyde dehydrogenase obliterates insulin resistance-induced cardiac dysfunction through deacetylation of PGC-1 $\alpha$ . <i>Oncotarget</i> , 2016, 7, 76398-76414.	1.8	26
56	17 $\beta$ estradiol attenuates ovariectomy-induced changes in cardiomyocyte contractile function via activation of AMP-activated protein kinase. <i>Toxicology Letters</i> , 2015, 232, 253-262.	0.8	25
57	Aldehyde dehydrogenase 2 deficiency promotes atherosclerotic plaque instability through accelerating mitochondrial ROS-mediated vascular smooth muscle cell senescence. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1782-1792.	3.8	24
58	Life and Death Partners in Post-PCI Restenosis: Apoptosis, Autophagy, and The Cross-talk Between Them. <i>Current Drug Targets</i> , 2018, 19, 1003-1008.	2.1	24
59	TBC1D15-Drp1 interaction-mediated mitochondrial homeostasis confers cardioprotection against myocardial ischemia/reperfusion injury. <i>Metabolism: Clinical and Experimental</i> , 2022, 134, 155239.	3.4	23
60	Parkin overexpression alleviates cardiac aging through facilitating K63-polyubiquitination of TBK1 to facilitate mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 165997.	3.8	22
61	Deficiency in adiponectin exaggerates cigarette smoking exposure-induced cardiac contractile dysfunction: Role of autophagy. <i>Pharmacological Research</i> , 2015, 100, 175-189.	7.1	18
62	Inhibition of CYP2E1 attenuates myocardial dysfunction in a murine model of insulin resistance through NLRP3-mediated regulation of mitophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 206-217.	3.8	18
63	ALDH2 and Stroke: A Systematic Review of the Evidence. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1193, 195-210.	1.6	17
64	Deletion of the E3 ubiquitin ligase, Parkin, exacerbates chronic alcohol intake-induced cardiomyopathy through an Ambra1-dependent mechanism. <i>British Journal of Pharmacology</i> , 2021, 178, 964-982.	5.4	17
65	Targeting DNA damage response in cardiovascular diseases: from pathophysiology to therapeutic implications. <i>Cardiovascular Research</i> , 2023, 119, 691-709.	3.8	16
66	Heart failure with preserved ejection fraction (HFpEF) in type 2 diabetes mellitus: from pathophysiology to therapeutics. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	3.3	16
67	PDE5 inhibitors protect against post-infarction heart failure. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 1194-1210.	3.0	15
68	ULK1-regulated autophagy: A mechanism in cellular protection for ALDH2 against hyperglycemia. <i>Toxicology Letters</i> , 2018, 283, 106-115.	0.8	15
69	Hyperglycemia and hyperlipidemia blunts the Insulin-Inpp5f negative feedback loop in the diabetic heart. <i>Scientific Reports</i> , 2016, 6, 22068.	3.3	13
70	Cardiac-Specific Knockout of ETA Receptor Mitigates Paraquat-Induced Cardiac Contractile Dysfunction. <i>Cardiovascular Toxicology</i> , 2016, 16, 235-243.	2.7	11
71	The Role of ALDH2 in Sepsis and the To-Be-Discovered Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1193, 175-194.	1.6	11
72	ALDH2 Polymorphism and Ethanol Consumption: A Genetic-Environmental Interaction in Carcinogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1193, 229-236.	1.6	11

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73	Integrated coronary disease burden and patterns to discriminate vessels benefiting from percutaneous coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, .	1.7	9
74	Epigenetic modification in alcohol use disorder and alcoholic cardiomyopathy: From pathophysiology to therapeutic opportunities. <i>Metabolism: Clinical and Experimental</i> , 2021, 125, 154909.	3.4	9
75	Emerging potential of therapeutic targeting of autophagy and protein quality control in the management of cardiometabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 185-187.	3.8	8
76	Genetics and Epigenetics in Aging and Longevity: Myths and Truths. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1715-1717.	3.8	8
77	Overexpression of the histidine triad nucleotide-binding protein 2 protects cardiac function in the adult mice after acute myocardial infarction. <i>Acta Physiologica</i> , 2020, 228, e13439.	3.8	8
78	NDP52 Protects Against Myocardial Infarction-Provoked Cardiac Anomalies Through Promoting Autophagosome-Lysosome Fusion via Recruiting TBK1 and RAB7. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 1119-1135.	5.4	8
79	New Insights of $\mu$ -Calpain in the Pathogenesis of Diabetic Vascular Injury. <i>Diabetes</i> , 2015, 64, 693-695.	0.6	7
80	New Therapeutic Approaches in the Management of Cardiometabolic Diseases: Bringing the Concepts Together. <i>Current Drug Targets</i> , 2018, 19, 987-988.	2.1	7
81	Emerging Therapeutic Potential Targeting Genetics and Epigenetics in Heart Failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1867-1869.	3.8	6
82	TANK-binding kinase 1 alleviates myocardial ischemia/reperfusion injury through regulating apoptotic pathway. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 574-579.	2.1	6
83	Bridging the Gap, Facing the Challenge-the 26(th) Great Wall International Congress of Cardiology (GW-ICC). <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 97-100.	1.7	6
84	Prognostic Implications of Pre-stent Pullback Pressure Gradient and Post-stent Quantitative Flow Ratio in Patients Undergoing Percutaneous Coronary Intervention. <i>Journal of the American Heart Association</i> , 2022, 11, .	3.7	6
85	Phosphoinositide 3-kinase therapy in diabetic cardiomyopathy: unravelling an enigma. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1029-H1031.	3.2	5
86	MicroRNA-21: Bridging Binge Drinking and Cardiovascular Health. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 678-681.	2.4	3
87	Editorial: New Drug Targets for Proteotoxicity in Cardiometabolic Diseases. <i>Frontiers in Physiology</i> , 2021, 12, 745296.	2.8	1
88	Akt Plays an Important Role in Lipopolysaccharide-Induced Myocardial Injury and Protection. <i>FASEB Journal</i> , 2010, 24, 1036.14.	0.5	0
89	Cardiac-specific overexpression of catalase prolongs survival and attenuates paraquat-induced myocardial contractile dysfunction. <i>FASEB Journal</i> , 2010, 24, 575.3.	0.5	0