

# Ming Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

2,289  
citations

304743

22  
h-index

233421

45  
g-index

70  
all docs

70  
docs citations

70  
times ranked

5120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017, 49, 1758-1766.	21.4	470
2	IL-18 cleavage triggers cardiac inflammation and fibrosis upon $\beta$ -adrenergic insult. <i>European Heart Journal</i> , 2018, 39, 60-69.	2.2	210
3	Exome chip meta-analysis identifies novel loci and East Asian-specific coding variants that contribute to lipid levels and coronary artery disease. <i>Nature Genetics</i> , 2017, 49, 1722-1730.	21.4	129
4	Intermolecular Failure of L-type Ca <sup>2+</sup> Channel and Ryanodine Receptor Signaling in Hypertrophy. <i>PLoS Biology</i> , 2007, 5, e21.	5.6	92
5	Mir-24 Regulates Junctophilin-2 Expression in Cardiomyocytes. <i>Circulation Research</i> , 2012, 111, 837-841.	4.5	87
6	TMAVA, a Metabolite of Intestinal Microbes, Is Increased in Plasma From Patients With Liver Steatosis, Inhibits $\beta$ -Butyrobetaine Hydroxylase, and Exacerbates Fatty Liver in Mice. <i>Gastroenterology</i> , 2020, 158, 2266-2281.e27.	1.3	87
7	Exome-wide association analysis reveals novel coding sequence variants associated with lipid traits in Chinese. <i>Nature Communications</i> , 2015, 6, 10206.	12.8	86
8	In Vivo Suppression of MicroRNA-24 Prevents the Transition Toward Decompensated Hypertrophy in Aortic-Constricted Mice. <i>Circulation Research</i> , 2013, 112, 601-605.	4.5	84
9	Mitochondria are transported along microtubules in membrane nanotubes to rescue distressed cardiomyocytes from apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 81.	6.3	82
10	Effects of Long-Term Averaging of Quantitative Blood Pressure Traits on the Detection of Genetic Associations. <i>American Journal of Human Genetics</i> , 2014, 95, 49-65.	6.2	73
11	Ultrastructural remodelling of Ca <sup>2+</sup> signalling apparatus in failing heart cells. <i>Cardiovascular Research</i> , 2012, 95, 430-438.	3.8	65
12	Renal telocytes contribute to the repair of ischemically injured renal tubules. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1144-1156.	3.6	58
13	Exploring the Formation and Recognition of an Important G-Quadruplex in a HIF1 $\beta$ Promoter and Its Transcriptional Inhibition by a Benzo[ <i>a</i> ]phenanthridine Derivative. <i>Journal of the American Chemical Society</i> , 2014, 136, 2583-2591.	13.7	50
14	Annexin A1 alleviates kidney injury by promoting the resolution of inflammation in diabetic nephropathy. <i>Kidney International</i> , 2021, 100, 107-121.	5.2	44
15	Up-Regulating Relaxin Expression by G-Quadruplex Interactive Ligand to Achieve Antifibrotic Action. <i>Endocrinology</i> , 2012, 153, 3692-3700.	2.8	37
16	DCA-TGR5 signaling activation alleviates inflammatory response and improves cardiac function in myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 151, 3-14.	1.9	34
17	Probing the G-quadruplex from hsa-miR-3620-5p and inhibition of its interaction with the target sequence. <i>Talanta</i> , 2016, 154, 560-566.	5.5	30
18	Vascular Remodelling Relates to an Elevated Oscillatory Shear Index and Relative Residence Time in Spontaneously Hypertensive Rats. <i>Scientific Reports</i> , 2017, 7, 2007.	3.3	27

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19	VSMC-Specific Deletion of FAM3A Attenuated Ang II-Promoted Hypertension and Cardiovascular Hypertrophy. <i>Circulation Research</i> , 2020, 126, 1746-1759.	4.5	27
20	Enhancement of the photosynthetic and removal performance for microalgae-based technologies by co-culture strategy and strigolactone induction. <i>Bioresource Technology</i> , 2021, 339, 125579.	9.6	27
21	Fenoterol inhibits LPS-induced AMPK activation and inflammatory cytokine production through $\beta$ 2-arrestin-2 in THP-1 cell line. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 119-123.	2.1	26
22	Fetuin-B (FETUB): a Plasma Biomarker Candidate Related to the Severity of Lung Function in COPD. <i>Scientific Reports</i> , 2016, 6, 30045.	3.3	25
23	The response of sediment microbial communities to temporal and site-specific variations of pollution in interconnected aquaculture pond and ditch systems. <i>Science of the Total Environment</i> , 2022, 806, 150498.	8.0	24
24	miRNA-711-SP1-collagen-I pathway is involved in the anti-fibrotic effect of pioglitazone in myocardial infarction. <i>Science China Life Sciences</i> , 2013, 56, 431-439.	4.9	23
25	Association of healthy lifestyle including a healthy sleep pattern with incident type 2 diabetes mellitus among individuals with hypertension. <i>Cardiovascular Diabetology</i> , 2021, 20, 239.	6.8	23
26	$\beta$ 2-Adrenoceptor Involved in Smoking-Induced Airway Mucus Hypersecretion through $\beta$ 2-Arrestin-Dependent Signaling. <i>PLoS ONE</i> , 2014, 9, e97788.	2.5	21
27	Up- and downregulation of mature miR-1587 function by modulating its G-quadruplex structure and using small molecules. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 127-134.	7.5	21
28	Integration of PCA and Fuzzy Clustering for Delineation of Soil Management Zones and Cost-Efficiency Analysis in a Citrus Plantation. <i>Sustainability</i> , 2020, 12, 5809.	3.2	20
29	Pathological matrix stiffness promotes cardiac fibroblast differentiation through the POU2F1 signaling pathway. <i>Science China Life Sciences</i> , 2021, 64, 242-254.	4.9	19
30	Exploration of G-quadruplex function in c-Myb gene and its transcriptional regulation by topotecan. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1474-1479.	7.5	18
31	Membrane nanotubes facilitate the propagation of inflammatory injury in the heart upon overactivation of the $\beta$ 2-adrenergic receptor. <i>Cell Death and Disease</i> , 2020, 11, 958.	6.3	18
32	Short-term outcomes of on- vs off-pump coronary artery bypass grafting in patients with left ventricular dysfunction: a systematic review and meta-analysis. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 84.	1.1	18
33	Assessing the Effects of Photovoltaic Powerplants on Surface Temperature Using Remote Sensing Techniques. <i>Remote Sensing</i> , 2020, 12, 1825.	4.0	16
34	Exploration of the Structure and Recognition of a G-quadruplex in the her2 Proto-oncogene Promoter and Its Transcriptional Regulation. <i>Scientific Reports</i> , 2019, 9, 3966.	3.3	14
35	Novel roles of an intragenic G-quadruplex in controlling microRNA expression and cardiac function. <i>Nucleic Acids Research</i> , 2021, 49, 2522-2536.	14.5	14
36	Histidine ameliorates elastase- and lipopolysaccharide-induced lung inflammation by inhibiting the activation of the NLRP3 inflammasome. <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1055-1064.	2.0	14

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37	Using remote ischemic conditioning to reduce acute kidney injury in patients undergoing percutaneous coronary intervention: a meta-analysis. <i>Current Medical Research and Opinion</i> , 2015, 31, 1677-1685.	1.9	13
38	Metabolic disorder in the progression of heart failure. <i>Science China Life Sciences</i> , 2019, 62, 1153-1167.	4.9	13
39	Investigation of G-quadruplex formation in the FGFR2 promoter region and its transcriptional regulation by liensinine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 884-891.	2.4	12
40	Increased telocytes involved in the proliferation of vascular smooth muscle cells in rat carotid artery balloon injury. <i>Science China Life Sciences</i> , 2016, 59, 678-685.	4.9	11
41	Cardiac Hypertrophy is Positively Regulated by MicroRNA-24 in Rats. <i>Chinese Medical Journal</i> , 2018, 131, 1333-1341.	2.3	10
42	Effects of long-term application of metoprolol and propranolol in a rat model of smoking. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 708-715.	1.9	9
43	Increased circulating $\beta_2$ -adrenergic receptor autoantibodies are associated with smoking-related emphysema. <i>Scientific Reports</i> , 2017, 7, 43962.	3.3	9
44	Lupeol alleviates coxsackievirus B3-induced viral myocarditis in mice via downregulating toll-like receptor 4. <i>Journal of International Medical Research</i> , 2020, 48, 030006052091090.	1.0	9
45	alpha1-adrenergic receptors activate AMP-activated protein kinase in rat hearts. <i>Acta Physiologica Sinica</i> , 2007, 59, 175-82.	0.5	9
46	Identification of thyroxine-binding globulin as a candidate plasma marker of chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2017, Volume 12, 1549-1564.	2.3	8
47	Gut microbiota analysis and its significance in vasovagal syncope in children. <i>Chinese Medical Journal</i> , 2019, 132, 411-419.	2.3	7
48	Ciprofibrate attenuates airway remodeling in cigarette smoke-exposed rats. <i>Respiratory Physiology and Neurobiology</i> , 2020, 271, 103290.	1.6	7
49	Induction of formation and conformational conversion of DNA G-quadruplexes by fangchinoline. <i>Analytical Methods</i> , 2014, 6, 8476-8481.	2.7	6
50	Roles and Mechanisms of TGR5 in the Modulation of CD4+ T Cell Functions in Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 350-359.	2.4	6
51	The genomic sequences near the mir-23b-27b-24-1 cluster form G-quadruplexes and are selectively bound by the natural alkaloid tetrandrine. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1611-1616.	1.5	5
52	Compartmentalized $\beta_1$ -adrenergic signalling synchronizes excitation-contraction coupling without modulating individual Ca <sup>2+</sup> sparks in healthy and hypertrophied cardiomyocytes. <i>Cardiovascular Research</i> , 2020, 116, 2069-2080.	3.8	5
53	The Role of METTL3-Mediated N6-Methyladenosine (m6A) of JPH2 mRNA in Cyclophosphamide-Induced Cardiotoxicity. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 763469.	2.4	5
54	Investigation on the formation, conversion and bioactivity of a G-quadruplex structure in the PALB2 gene. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 242-248.	7.5	4

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55	Abnormal expression of miR-331 leads to impaired heart function. <i>Science Bulletin</i> , 2019, 64, 1011-1017.	9.0	4
56	Normal expression of KCNJ11 is maintained by the G-quadruplex. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 504-510.	7.5	4
57	An Asian-specific <i>MPL</i> genetic variant alters JAK-STAT signaling and influences platelet count in the population. <i>Human Molecular Genetics</i> , 2021, 30, 836-842.	2.9	4
58	A multi-scale framework based on jigsaw patches and focused label smoothing for bone age assessment. <i>Visual Computer</i> , 2023, 39, 1015-1025.	3.5	4
59	Prevention of Anastomotic Fistula Formation after Low-position DIXON OPERATION Beginning with Operative Procedure Details. <i>Pakistan Journal of Medical Sciences</i> , 1969, 30, 1007-10.	0.6	3
60	Operational and biological analyses of branched water-adjustment and combined treatment of wastewater from a chemical industrial park. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 253-263.	2.2	3
61	Exploration of the Hsa-miR-1587-Protein Interaction and the Inhibition to CASK. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10716.	4.1	3
62	Excitation-Contraction Coupling Time is More Sensitive in Evaluating Cardiac Systolic Function. <i>Chinese Medical Journal</i> , 2018, 131, 1834-1839.	2.3	2
63	Ultrasound virtual endoscopy: Polyp detection and reliability of measurement in an <i>in vitro</i> study with pig intestine specimens. <i>World Journal of Gastroenterology</i> , 2016, 22, 3355-3362.	3.3	1
64	Signalling pathways in pressure overload-induced cardiac remodelling: A dynamic entity. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 10-11.	1.9	0
65	Wideband Modeling of High Coupled Split Reactor for Fault Current Limiter. , 2021, , .		0
66	The Effect of Different Types of Mechanical Circulatory Support on Mortality of Patients after Adult Cardiac Surgery: A Systematic Review and Meta-Analysis. <i>Heart Surgery Forum</i> , 2020, 23, E537-E545.	0.5	0