

# Xiaoke Yin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96  
papers

6,687  
citations

42  
h-index

81  
g-index

113  
ext. papers

7,891  
ext. citations

9.2  
avg. IF

5.14  
L-index

#	Paper	IF	Citations
96	Atheroprotective communication between endothelial cells and smooth muscle cells through miRNAs. <i>Nature Cell Biology</i> , <b>2012</b> , 14, 249-56	23.4	967
95	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 2136-46	15.9	617
94	Vascular smooth muscle cell calcification is mediated by regulated exosome secretion. <i>Circulation Research</i> , <b>2015</b> , 116, 1312-23	15.7	319
93	Proteomics characterization of extracellular space components in the human aorta. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 2048-62	7.6	197
92	Macrophage microRNA-155 promotes cardiac hypertrophy and failure. <i>Circulation</i> , <b>2013</b> , 128, 1420-32	16.7	190
91	The hypoxia-inducible microRNA cluster miR-199a~214 targets myocardial PPAR $\alpha$ and impairs mitochondrial fatty acid oxidation. <i>Cell Metabolism</i> , <b>2013</b> , 18, 341-54	24.6	162
90	Combined metabolomic and proteomic analysis of human atrial fibrillation. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 585-94	15.1	162
89	Proteomics analysis of cardiac extracellular matrix remodeling in a porcine model of ischemia/reperfusion injury. <i>Circulation</i> , <b>2012</b> , 125, 789-802	16.7	156
88	Short communication: asymmetric dimethylarginine impairs angiogenic progenitor cell function in patients with coronary artery disease through a microRNA-21-dependent mechanism. <i>Circulation Research</i> , <b>2010</b> , 107, 138-43	15.7	151
87	Proteomic and metabolomic analyses of atherosclerotic vessels from apolipoprotein E-deficient mice reveal alterations in inflammation, oxidative stress, and energy metabolism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2135-42	9.4	151
86	Extracellular matrix composition and remodeling in human abdominal aortic aneurysms: a proteomics approach. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M111.008128	7.6	150
85	Circulating MicroRNA-122 Is Associated With the Risk of New-Onset Metabolic Syndrome and Type 2 Diabetes. <i>Diabetes</i> , <b>2017</b> , 66, 347-357	0.9	141
84	Extracellular matrix secretion by cardiac fibroblasts: role of microRNA-29b and microRNA-30c. <i>Circulation Research</i> , <b>2013</b> , 113, 1138-47	15.7	141
83	Heterogeneity in neutrophil microparticles reveals distinct proteome and functional properties. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 2205-19	7.6	140
82	Association of MicroRNAs and YRNAs With Platelet Function. <i>Circulation Research</i> , <b>2016</b> , 118, 420-432	15.7	125
81	Terminal differentiation, advanced organotypic maturation, and modeling of hypertrophic growth in engineered heart tissue. <i>Circulation Research</i> , <b>2011</b> , 109, 1105-14	15.7	111
80	Proteomics identifies thymidine phosphorylase as a key regulator of the angiogenic potential of colony-forming units and endothelial progenitor cell cultures. <i>Circulation Research</i> , <b>2009</b> , 104, 32-40	15.7	111

79	Very-Low-Density Lipoprotein-Associated Apolipoproteins Predict Cardiovascular Events and Are Lowered by Inhibition of ApoC-III. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 789-800	15.1	107
78	Cardiac myocyte miR-29 promotes pathological remodeling of the heart by activating Wnt signaling. <i>Nature Communications</i> , <b>2017</b> , 8, 1614	17.4	106
77	Long-term therapeutic silencing of miR-33 increases circulating triglyceride levels and hepatic lipid accumulation in mice. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1133-41	12	104
76	Proteomics, metabolomics, and immunomics on microparticles derived from human atherosclerotic plaques. <i>Circulation: Cardiovascular Genetics</i> , <b>2009</b> , 2, 379-88		98
75	Histone deacetylase 7 controls endothelial cell growth through modulation of beta-catenin. <i>Circulation Research</i> , <b>2010</b> , 106, 1202-11	15.7	95
74	Protein kinase D selectively targets cardiac troponin I and regulates myofilament Ca <sup>2+</sup> sensitivity in ventricular myocytes. <i>Circulation Research</i> , <b>2007</b> , 100, 864-73	15.7	88
73	ADAMTS-7 inhibits re-endothelialization of injured arteries and promotes vascular remodeling through cleavage of thrombospondin-1. <i>Circulation</i> , <b>2015</b> , 131, 1191-201	16.7	84
72	Role of miR-195 in aortic aneurysmal disease. <i>Circulation Research</i> , <b>2014</b> , 115, 857-66	15.7	82
71	Glycoproteomic analysis of the secretome of human endothelial cells. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 956-78	7.6	82
70	Angiogenic microRNAs Linked to Incidence and Progression of Diabetic Retinopathy in Type 1 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 216-27	0.9	81
69	Gestational diabetes mellitus impairs Nrf2-mediated adaptive antioxidant defenses and redox signaling in fetal endothelial cells in utero. <i>Diabetes</i> , <b>2013</b> , 62, 4088-97	0.9	78
68	Extracellular matrix proteomics identifies molecular signature of symptomatic carotid plaques. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1546-1560	15.9	73
67	Premature senescence of endothelial cells upon chronic exposure to TNF $\alpha$ can be prevented by N-acetyl cysteine and plumericin. <i>Scientific Reports</i> , <b>2017</b> , 7, 39501	4.9	69
66	Vascular proteomics: linking proteomic and metabolomic changes. <i>Proteomics</i> , <b>2004</b> , 4, 3751-61	4.8	69
65	Proteomics analysis of the cardiac myofilament subproteome reveals dynamic alterations in phosphatase subunit distribution. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 497-509	7.6	66
64	Identification of cardiac myosin-binding protein C as a candidate biomarker of myocardial infarction by proteomics analysis. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 2687-99	7.6	60
63	Preclinical development of a miR-132 inhibitor for heart failure treatment. <i>Nature Communications</i> , <b>2020</b> , 11, 633	17.4	59
62	Extracellular Matrix Proteomics Reveals Interplay of Aggrecan and Aggrecanases in Vascular Remodeling of Stented Coronary Arteries. <i>Circulation</i> , <b>2018</b> , 137, 166-183	16.7	56

61	Proteomics: from single molecules to biological pathways. <i>Cardiovascular Research</i> , <b>2013</b> , 97, 612-22	9.9	55
60	Proteomic and metabolomic analysis of smooth muscle cells derived from the arterial media and adventitial progenitors of apolipoprotein E-deficient mice. <i>Circulation Research</i> , <b>2008</b> , 102, 1046-56	15.7	52
59	Role of ADAMTS-5 in Aortic Dilatation and Extracellular Matrix Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 1537-1548	9.4	48
58	Chronic miR-29 antagonism promotes favorable plaque remodeling in atherosclerotic mice. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 643-53	12	46
57	Matrix metalloproteinase-8 promotes vascular smooth muscle cell proliferation and neointima formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 90-8	9.4	44
56	Calpain inhibition stabilizes the platelet proteome and reactivity in diabetes. <i>Blood</i> , <b>2012</b> , 120, 415-23	2.2	44
55	Functional role of matrix metalloproteinase-8 in stem/progenitor cell migration and their recruitment into atherosclerotic lesions. <i>Circulation Research</i> , <b>2013</b> , 112, 35-47	15.7	44
54	Cardiac myocyte $\beta$ -adrenergic receptors prevent myocardial fibrosis by modulating oxidant stress-dependent paracrine signaling. <i>European Heart Journal</i> , <b>2018</b> , 39, 888-898	9.5	41
53	SARS-CoV-2 RNAemia and proteomic trajectories inform prognostication in COVID-19 patients admitted to intensive care. <i>Nature Communications</i> , <b>2021</b> , 12, 3406	17.4	41
52	Proteomic analyses reveal that loss of TDP-43 affects RNA processing and intracellular transport. <i>Neuroscience</i> , <b>2015</b> , 293, 157-70	3.9	39
51	Proteomic analysis of the secretome of human umbilical vein endothelial cells using a combination of free-flow electrophoresis and nanoflow LC-MS/MS. <i>Proteomics</i> , <b>2009</b> , 9, 4991-6	4.8	39
50	Proteomic characterization of human early pro-angiogenic cells. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 333-6	5.8	38
49	Extracellular matrix remodelling in response to venous hypertension: proteomics of human varicose veins. <i>Cardiovascular Research</i> , <b>2016</b> , 110, 419-30	9.9	35
48	Glycoproteomics Reveals Decorin Peptides With Anti-Myostatin Activity in Human Atrial Fibrillation. <i>Circulation</i> , <b>2016</b> , 134, 817-32	16.7	34
47	Cytochrome P4502S1: a novel monocyte/macrophage fatty acid epoxygenase in human atherosclerotic plaques. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 319	11.8	33
46	Loss of Biglycan Enhances Thrombin Generation in Apolipoprotein E-Deficient Mice: Implications for Inflammation and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, e41-50	9.4	33
45	Proteomic dataset of mouse aortic smooth muscle cells. <i>Proteomics</i> , <b>2005</b> , 5, 4546-57	4.8	31
44	XBP 1-Deficiency Abrogates Neointimal Lesion of Injured Vessels Via Cross Talk With the PDGF Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2134-44	9.4	30

43	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	29
42	Histone deacetylase 3 unconventional splicing mediates endothelial-to-mesenchymal transition through transforming growth factor $\beta$ . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 31853-66	5.4	27
41	Proteomic analysis reveals higher demand for antioxidant protection in embryonic stem cell-derived smooth muscle cells. <i>Proteomics</i> , <b>2006</b> , 6, 6437-46	4.8	26
40	Effects of perhexiline-induced fuel switch on the cardiac proteome and metabolome. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 55, 27-30	5.8	25
39	Redox state of pentraxin 3 as a novel biomarker for resolution of inflammation and survival in sepsis. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 2545-57	7.6	25
38	Chromobox protein homolog 3 is essential for stem cell differentiation to smooth muscles in vitro and in embryonic arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1842-52	9.4	23
37	Metabolic homeostasis is maintained in myocardial hibernation by adaptive changes in the transcriptome and proteome. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 982-90	5.8	22
36	Systems biology-opportunities and challenges: the application of proteomics to study the cardiovascular extracellular matrix. <i>Cardiovascular Research</i> , <b>2016</b> , 112, 626-636	9.9	20
35	A sequential extraction methodology for cardiac extracellular matrix prior to proteomics analysis. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1005, 215-23	1.4	19
34	Gene network and proteomic analyses of cardiac responses to pathological and physiological stress. <i>Circulation: Cardiovascular Genetics</i> , <b>2013</b> , 6, 588-97		19
33	Proteomics of the epicardial fat secretome and its role in post-operative atrial fibrillation. <i>Europace</i> , <b>2018</b> , 20, 1201-1208	3.9	18
32	"Young at heart": Regenerative potential linked to immature cardiac phenotypes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 92, 105-8	5.8	18
31	Glycoproteomic Analysis of the Aortic Extracellular Matrix in Marfan Patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 1859-1873	9.4	18
30	Substrate modifications precede the development of atrial fibrillation after cardiac surgery: a proteomic study. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 92, 104-10	2.7	18
29	Integrated membrane protein analysis of mature and embryonic stem cell-derived smooth muscle cells using a novel combination of CyDye/biotin labeling. <i>Molecular and Cellular Proteomics</i> , <b>2007</b> , 6, 1788-97	7.6	18
28	Adaptation to HIF-1 deficiency by upregulation of the AMP/ATP ratio and phosphofructokinase activation in hepatomas. <i>BMC Cancer</i> , <b>2011</b> , 11, 198	4.8	17
27	Inhibition of profibrotic microRNA-21 affects platelets and their releasate. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	16
26	Proteomic dataset of Sca-1+ progenitor cells. <i>Proteomics</i> , <b>2005</b> , 5, 4533-45	4.8	15

25	Identification of cyclins A1, E1 and vimentin as downstream targets of heme oxygenase-1 in vascular endothelial growth factor-mediated angiogenesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 29417	4.9	15
24	Glycoproteomics of the Extracellular Matrix: A Method for Intact Glycopeptide Analysis Using Mass Spectrometry. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	13
23	Plasma Proteomics for Epidemiology: Increasing Throughput With Standard-Flow Rates. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		13
22	Proteomic and metabolomic changes driven by elevating myocardial creatine suggest novel metabolic feedback mechanisms. <i>Amino Acids</i> , <b>2016</b> , 48, 1969-81	3.5	13
21	Cardiac-targeted NADPH oxidase 4 in the adaptive cardiac remodelling of the murine heart. <i>Lancet, The</i> , <b>2015</b> , 385 Suppl 1, S73	4.0	12
20	TIP30 counteracts cardiac hypertrophy and failure by inhibiting translational elongation. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e10018	12	8
19	Locally different proteome in aortas from patients with stenotic tricuspid and bicuspid aortic valves <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 56, 458-469	3	7
18	Method for protein subfractionation of cardiovascular tissues before DIGE analysis. <i>Methods in Molecular Biology</i> , <b>2012</b> , 854, 287-97	1.4	7
17	Proteomic landscape of TGF- $\beta$ -induced fibrogenesis in renal fibroblasts. <i>Scientific Reports</i> , <b>2020</b> , 10, 19054	4.9	7
16	Impairment of the ER/mitochondria compartment in human cardiomyocytes with PLN p.Arg14del mutation. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13074	12	7
15	Over-expression of HSP47 augments mouse embryonic stem cell smooth muscle differentiation and chemotaxis. <i>PLoS ONE</i> , <b>2014</b> , 9, e86118	3.7	5
14	Fibroblast Nox2 (NADPH Oxidase-2) Regulates ANG II (Angiotensin II)-Induced Vascular Remodeling and Hypertension via Paracrine Signaling to Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 698-710	9.4	5
13	Apolipoprotein Profiles in Very Preterm and Term-Born Preschool Children. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e011199	6	4
12	162 Regulated Exosome Secretion by Vascular Smooth Muscle Cells Mediates Vascular Calcification. <i>Heart</i> , <b>2014</b> , 100, A93-A94	5.1	4
11	SARS-CoV-2 RNAemia and proteomic biomarker trajectory inform prognostication in COVID-19 patients admitted to intensive care		2
10	Endothelial cells exposed to atheroprotective flow secrete follistatin-like 1 protein which reduces transcytosis and inflammation. <i>Atherosclerosis</i> , <b>2021</b> , 333, 56-66	3.1	2
9	Protein Aggregation Is an Early Manifestation of Phospholamban p.(Arg14del)-Related Cardiomyopathy: Development of PLN-R14del-Related Cardiomyopathy. <i>Circulation: Heart Failure</i> , <b>2021</b> , 14, e008532	7.6	2
8	Diminished PLK2 Induces Cardiac Fibrosis and Promotes Atrial Fibrillation. <i>Circulation Research</i> , <b>2021</b> , 129, 804-820	15.7	2

7	Abstract 300: MicroRNA-21 Affects Platelets and Their Releasate: A Novel Mechanism for the Anti-Fibrotic Effects of MicroRNA-21 Inhibition. <i>Circulation Research</i> , <b>2018</b> , 123,	15.7	1
6	Cathepsin A contributes to left ventricular remodeling by degrading extracellular superoxide dismutase in mice. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 12605-12617	5.4	1
5	Very preterm birth results in later lower platelet activation markers. <i>Pediatric Research</i> , <b>2021</b> , 89, 1278-1282	3.8	1
4	Antifibrotic activities of Scutellariae Radix extracts and flavonoids: Comparative proteomics reveals distinct and shared mechanisms.. <i>Phytomedicine</i> , <b>2022</b> , 100, 154049	6.5	0
3	185 Glycoproteomics Reveals Decorin Peptides with Anti-Myostatin Activity In Human Atrial Fibrillation. <i>Heart</i> , <b>2016</b> , 102, A127.2-A127	5.1	
2	203 Extracellular matrix proteomics identifies molecular signature of symptomatic carotid plaques. <i>Heart</i> , <b>2017</b> , 103, A137.1-A137	5.1	
1	152 The role of adamts-5 in extracellular matrix remodelling of thoracic aortic aneurysms. <i>Heart</i> , <b>2017</b> , 103, A111.2-A111	5.1	