

Xiao-Dong Zhuang

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

1,265
citations

516710

16
h-index

434195

31
g-index

130
all docs

130
docs citations

130
times ranked

2058
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term Outcomes After On-Pump vs Off-Pump Coronary Artery Bypass Grafting for Ischemic Cardiomyopathy. <i>Annals of Thoracic Surgery</i> , 2023, 115, 1421-1428.	1.3	5
2	Intensive blood pressure treatment in coronary artery disease: implications from the Systolic Blood Pressure Intervention Trial (SPRINT). <i>Journal of Human Hypertension</i> , 2022, 36, 86-94.	2.2	8
3	Deep Phenotyping and Prediction of Long-term Cardiovascular Disease: Optimized by Machine Learning. <i>Canadian Journal of Cardiology</i> , 2022, 38, 774-782.	1.7	6
4	Triglyceride-glucose index in the development of heart failure and left ventricular dysfunction: analysis of the ARIC study. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1531-1541.	1.8	27
5	Loss of m6A Methyltransferase METTL5 Promotes Cardiac Hypertrophy Through Epitranscriptomic Control of SUZ12 Expression. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 852775.	2.4	10
6	Critical Appraisal of Guidelines for Antithrombotic Therapy in Atrial Fibrillation Post-Percutaneous Coronary Intervention. <i>Global Heart</i> , 2022, 17, 14.	2.3	3
7	Time in Target Range for Systolic Blood Pressure and Cardiovascular Outcomes in Patients With Heart Failure With Preserved Ejection Fraction. <i>Journal of the American Heart Association</i> , 2022, 11, e022765.	3.7	16
8	Assessment of Visit-to-Visit Blood Pressure Variability in Adults With Optimal Blood Pressure: A New Player in the Evaluation of Residual Cardiovascular Risk?. <i>Journal of the American Heart Association</i> , 2022, 11, e022716.	3.7	11
9	Antiplatelet strategy in primary and secondary prevention of cardiovascular disease in patients with type 2 diabetes mellitus: A perspective from the guideline appraisal. <i>Journal of Diabetes Investigation</i> , 2021, 12, 99-108.	2.4	7
10	A systematic review of guidelines for dual antiplatelet therapy in coronary artery bypass graft. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13405.	3.4	1
11	Education and heart failure: New insights from the atherosclerosis risk in communities study and mendelian randomization study. <i>International Journal of Cardiology</i> , 2021, 324, 115-121.	1.7	5
12	Association of Mid- to Late-Life Blood Pressure Patterns With Risk of Subsequent Coronary Heart Disease and Death. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 632514.	2.4	2
13	Causal effect of education on type 2 diabetes: A network Mendelian randomization study. <i>World Journal of Diabetes</i> , 2021, 12, 261-277.	3.5	3
14	Hypertension and Atrial Fibrillation: A Study on Epidemiology and Mendelian Randomization Causality. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 644405.	2.4	10
15	Risk Stratification and Efficacy of Spironolactone in Patients with Heart Failure with Preserved Ejection Fraction: Secondary Analysis of the TOPCAT Randomized Clinical Trial. <i>Cardiovascular Drugs and Therapy</i> , 2021, , 1.	2.6	3
16	Six-Year Change in QT Interval Duration and Risk of Incident Heart Failure: A Secondary Analysis of the Atherosclerosis Risk in Communities Study. <i>Circulation Journal</i> , 2021, 85, 640-646.	1.6	1
17	Klotho attenuated Doxorubicin-induced cardiomyopathy by alleviating Dynamin-related protein 1 - mediated mitochondrial dysfunction. <i>Mechanisms of Ageing and Development</i> , 2021, 195, 111442.	4.6	16
18	Pulse Pressure, Cognition, and White Matter Lesions: A Mediation Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 654522.	2.4	7

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19	Intensity of Glycemic Exposure in Early Adulthood and Target Organ Damage in Middle Age: The CARDIA Study. <i>Frontiers in Physiology</i> , 2021, 12, 614532.	2.8	1
20	Short-chain fatty acids combined with intronic DNA methylation of HIF3A: Potential predictors for diabetic cardiomyopathy. <i>Clinical Nutrition</i> , 2021, 40, 3708-3717.	5.0	4
21	Long-Term Visit-to-Visit Mean Arterial Pressure Variability and the Risk of Heart Failure and All-Cause Mortality. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 665117.	2.4	5
22	Association of Post-operative Systolic Blood Pressure Variability With Mortality After Coronary Artery Bypass Grafting. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 717073.	2.4	6
23	Behavioral Factors Mediating the Impact of Educational Attainment on Incident Heart Failure—A Mediation Analysis. <i>Circulation Journal</i> , 2021, 85, 1545-1552.	1.6	3
24	NLRP3 inflammasome activation contributes to the pathogenesis of cardiocytes aging. <i>Aging</i> , 2021, 13, 20534-20551.	3.1	11
25	Appraisal of Guidelines for the Management of Blood Pressure in Patients with Diabetes Mellitus: The Consensuses, Controversies and Gaps. <i>Diabetes and Metabolism Journal</i> , 2021, 45, 753-764.	4.7	0
26	Visit-to-Visit Fasting Glucose Variability in Young Adulthood and Cardiac Structure and Function at Midlife: The CARDIA Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 687054.	2.4	1
27	Urban index and lifestyle risk factors for cardiovascular diseases in China: A cross-sectional study. <i>Science Progress</i> , 2021, 104, 003685042110037.	1.9	4
28	An appraisal of clinical practice guidelines for the appropriate use of echocardiography for adult infective endocarditis—the timing and mode of assessment (TTE or TEE). <i>BMC Infectious Diseases</i> , 2021, 21, 92.	2.9	4
29	Klotho deficiency causes cardiac ageing by impairing autophagic and activating apoptotic activity. <i>European Journal of Pharmacology</i> , 2021, 911, 174559.	3.5	7
30	Letter by Lai et al Regarding Article, “Cardiovascular Risk Factor Trajectories Since Childhood and Cognitive Performance in Midlife: The Cardiovascular Risk in Young Finns Study”. <i>Circulation</i> , 2021, 144, e307.	1.6	0
31	Association between serum cystatin C level and hemodynamically significant aortic stenosis: a prospective cohort study. <i>Journal of Geriatric Cardiology</i> , 2021, 18, 986-995.	0.2	0
32	Exploring the causal pathway from omega-6 levels to coronary heart disease: A network Mendelian randomization study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 233-240.	2.6	15
33	Causal assessment of sleep on coronary heart disease. <i>Sleep Medicine</i> , 2020, 67, 232-236.	1.6	10
34	Serum albumin and atrial fibrillation: insights from epidemiological and mendelian randomization studies. <i>European Journal of Epidemiology</i> , 2020, 35, 113-122.	5.7	33
35	Long-term tracking of fasting blood glucose variability and peripheral artery disease in people without diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000896.	2.8	4
36	BEHAVIORAL FACTORS AS MEDIATORS OF THE IMPACT OF EDUCATIONAL ATTAINMENT ON INCIDENT HEART FAILURE: A MEDIATION ANALYSIS. <i>Journal of the American College of Cardiology</i> , 2020, 75, 942.	2.8	0

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37	Serum Albumin and Incident Heart Failure. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002989.	3.6	3
38	Exploring the causal pathway from body mass index to coronary heart disease: a network Mendelian randomization study. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232090904.	2.5	9
39	Opposite effect of ablation on early/late-phase thromboembolic incidence in patients with atrial fibrillation: A meta-analysis on more than 100,000 individuals. <i>Clinical Cardiology</i> , 2020, 43, 594-605.	1.8	3
40	Association between calf girth and peripheral artery disease in the Atherosclerosis Risk in Communities Study. <i>Journal of Cardiology</i> , 2020, 76, 273-279.	1.9	3
41	Impact of RAAS Blockers on Contrast-Induced Nephropathy in Patients With Renal Insufficiency: A Meta-Analysis. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 76, 692-697.	1.9	1
42	Abstract P044: Intensity Of Hypertensive Exposure In Young Adulthood And Myocardial Structure And Function In Middle Age. <i>Hypertension</i> , 2020, 76, .	2.7	0
43	Abstract 15671: Adipocyte-derived Exosomal Lncrna Nbr2 Promotes Diabetic Myocardial Fibrosis Through Regulating the Ikba/nf-kb Pathway. <i>Circulation</i> , 2020, 142, .	1.6	0
44	Letter by Zhang et al Regarding Article, "Twenty Year Trends and Sex Differences in Young Adults Hospitalized With Acute Myocardial Infarction: The ARIC Community Surveillance Study". <i>Circulation</i> , 2019, 140, e329-e330.	1.6	0
45	Critical appraisal of guidelines for coronary artery disease on dual antiplatelet therapy: More consensus than controversies. <i>Clinical Cardiology</i> , 2019, 42, 1170-1180.	1.8	4
46	Effectiveness of blood pressure-lowering treatment by the levels of baseline Framingham risk score: A post hoc analysis of the Systolic Blood Pressure Intervention Trial (SPRINT). <i>Journal of Clinical Hypertension</i> , 2019, 21, 1813-1820.	2.0	10
47	Lipid management for coronary heart disease patients: an appraisal of updated international guidelines applying Appraisal of Guidelines for Research and Evaluation II clinical practice guideline appraisal for lipid management in coronary heart disease. <i>Journal of Thoracic Disease</i> , 2019, 11, 3534-3546.	1.4	8
48	Visit-to-Visit Fasting Glucose Variability in Young Adulthood and Hippocampal Integrity and Volume at Midlife. <i>Diabetes Care</i> , 2019, 42, 2334-2337.	8.6	6
49	Phenomapping of subgroups in hypertensive patients using unsupervised data-driven cluster analysis: An exploratory study of the SPRINT trial. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1693-1706.	1.8	8
50	Low-Carbohydrate Diets and Risk of Incident Atrial Fibrillation: A Prospective Cohort Study. <i>Journal of the American Heart Association</i> , 2019, 8, e011955.	3.7	26
51	Are We Ready for Race-Specific Risk Prediction Models?. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1233.	2.8	0
52	Comparative outcomes of heart failure among existent classes of anti-diabetic agents: a network meta-analysis of 171,253 participants from 91 randomized controlled trials. <i>Cardiovascular Diabetology</i> , 2019, 18, 47.	6.8	15
53	"Light in and Sound Out": Review of Photoacoustic Imaging in Cardiovascular Medicine. <i>IEEE Access</i> , 2019, 7, 38890-38901.	4.2	4
54	Face Analysis for Coronary Heart Disease Diagnosis. , 2019, , .		4

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55	Development and Validation of a Novel Diagnostic Nomogram to Differentiate Between Intestinal Tuberculosis and Crohn's Disease: A 6-year Prospective Multicenter Study. <i>American Journal of Gastroenterology</i> , 2019, 114, 490-499.	0.4	49
56	Influence of baseline systolic blood pressure on the relationship between intensive blood pressure control and cardiovascular outcomes in the Systolic Blood Pressure Intervention Trial (SPRINT). <i>Clinical Research in Cardiology</i> , 2019, 108, 273-281.	3.3	4
57	Serum magnesium and the prevalence of peripheral artery disease: The Atherosclerosis Risk in Communities (ARIC) study. <i>Atherosclerosis</i> , 2019, 282, 196-201.	0.8	14
58	Association of Cyr61-cysteine-rich protein 61 and short-term mortality in patients with acute heart failure and coronary heart disease. <i>Biomarkers in Medicine</i> , 2019, 13, 1589-1597.	1.4	5
59	Abstract 005: Intensity of Hypertensive Exposure in Young Adulthood and Subclinical Atherosclerosis in Middle Age. <i>Hypertension</i> , 2019, 74, .	2.7	0
60	Polysaccharide from Fuzi protects against Oxâ€LDLâ€induced calcification of human vascular smooth muscle cells by increasing autophagic activity. <i>Molecular Medicine Reports</i> , 2018, 17, 5109-5115.	2.4	13
61	Environment-wide association study to identify novel factors associated with peripheral arterial disease: Evidence from the National Health and Nutrition Examination Survey (1999â€2004). <i>Atherosclerosis</i> , 2018, 269, 172-177.	0.8	33
62	A proposed Oxford classification-based clinicopathological nomogram for predicting short-term renal outcomes in IgA nephropathy after acute kidney injury. <i>European Journal of Internal Medicine</i> , 2018, 52, 60-66.	2.2	4
63	Klotho protects the heart from hyperglycemia-induced injury by inactivating ROS and NF-ÎB-mediated inflammation both in vitro and in vivo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 238-251.	3.8	124
64	GW29-e0901 Blockage of ROS and NF-ÎB-mediated inflammation by Klotho protects the heart from FFA-induced injuries. <i>Journal of the American College of Cardiology</i> , 2018, 72, C30.	2.8	0
65	GW29-e0463 Urbanization and Lifestyle Risk Factors for Cardiometabolic Diseases: China Health and Nutrition Survey (CHNS). <i>Journal of the American College of Cardiology</i> , 2018, 72, C212.	2.8	0
66	GW29-e0476 Deep Phenotyping the Cardiovascular Disease in National Health and Nutrition Examination Survey 1999-2014: Presenting the Full Picture. <i>Journal of the American College of Cardiology</i> , 2018, 72, C207.	2.8	1
67	GW29-e0471 Quality Assessment of the Guidelines on Lipid Management in Patients with Coronary Heart Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, C225.	2.8	0
68	A1177 Effect of Intensive versus Standard Blood Pressure Treatment According to Baseline Systolic Blood Pressure. <i>Journal of Hypertension</i> , 2018, 36, e115-e116.	0.5	0
69	A17325 Risk Assessment Tool in Cardiovascular Disease. <i>Journal of Hypertension</i> , 2018, 36, e116.	0.5	0
70	Immunosuppressive Effect of Ticagrelor on Dendritic Cell Function: A New Therapeutic Target of Antiplatelet Agents in Cardiovascular Disease. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 1665-1673.	1.1	8
71	Comparative cardiovascular outcomes in the era of novel anti-diabetic agents: a comprehensive network meta-analysis of 166,371 participants from 170 randomized controlled trials. <i>Cardiovascular Diabetology</i> , 2018, 17, 79.	6.8	33
72	Toward a panoramic perspective of the association between environmental factors and cardiovascular disease: An environment-wide association study from National Health and Nutrition Examination Survey 1999â€2014. <i>Environment International</i> , 2018, 118, 146-153.	10.0	13

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73	The relationship between job satisfaction, work stress, work-family conflict, and turnover intention among physicians in Guangdong, China: a cross-sectional study. <i>BMJ Open</i> , 2017, 7, e014894.	1.9	146
74	Development of a new risk nomogram of perioperative major adverse cardiac events for Chinese patients undergoing colorectal carcinoma surgery. <i>International Journal of Colorectal Disease</i> , 2017, 32, 1157-1164.	2.2	1
75	Serum Klotho, vitamin D, and homocysteine in combination predict the outcomes of Chinese patients with multiple system atrophy. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 657-666.	3.9	24
76	GW28-e0507 Klotho protects the heart from hyperglycemia-induced injury by inactivating ROS and NF- κ B-mediated inflammation both in vitro and in vivo. <i>Journal of the American College of Cardiology</i> , 2017, 70, C14.	2.8	0
77	GW28-e1096 Comparison of two anticoagulation strategies for pregnant women with mechanical valves. <i>Journal of the American College of Cardiology</i> , 2017, 70, C154.	2.8	0
78	GW28-e0638 Systematic Correlation of Environmental Exposure with Lower Extremity Peripheral Artery Disease: An Environment-Wide Association Study. <i>Journal of the American College of Cardiology</i> , 2017, 70, C180.	2.8	0
79	Can catheter ablation reduce the incidence of thromboembolic events in patients with atrial fibrillation?. <i>Medicine (United States)</i> , 2017, 96, e8479.	1.0	1
80	A Nomogram to Predict Contrast Induced Nephropathy in Patients Undergoing Percutaneous Coronary Intervention. <i>International Heart Journal</i> , 2017, 58, 191-196.	1.0	11
81	Association of Inflammation and Endothelial Dysfunction with Coronary Microvascular Resistance in Patients with Cardiac Syndrome X. <i>Arquivos Brasileiros De Cardiologia</i> , 2017, 109, 397-403.	0.8	11
82	Design, synthesis, and antihypertensive activity of curcumin-inspired compounds via ACE inhibition and vasodilation, along with a bioavailability study for possible benefit in cardiovascular diseases. <i>Drug Design, Development and Therapy</i> , 2016, 10, 129.	4.3	5
83	Vessel heterogeneity of TIMI frame count and its relation to P-wave dispersion in patients with coronary slow flow. <i>Journal of Thoracic Disease</i> , 2016, 8, 476-481.	1.4	3
84	Exogenous hydrogen sulfide protects against high glucose-induced inflammation and cytotoxicity in H9c2 cardiac cells. <i>Molecular Medicine Reports</i> , 2016, 14, 4911-4917.	2.4	16
85	Job satisfaction and associated factors among healthcare staff: a cross-sectional study in Guangdong Province, China. <i>BMJ Open</i> , 2016, 6, e011388.	1.9	96
86	Exogenous Hydrogen Sulfide Attenuates High Glucose-Induced Cardiotoxicity by Inhibiting NLRP3 Inflammasome Activation by Suppressing TLR4/NF- κ B Pathway in H9c2 Cells. <i>Cellular Physiology and Biochemistry</i> , 2016, 40, 1578-1590.	1.6	87
87	Critical appraisal of international guidelines on chronic heart failure: Can China AGREE?. <i>International Journal of Cardiology</i> , 2016, 203, 111-114.	1.7	7
88	Calcitriol prevents peripheral RSC96 Schwann neural cells from high glucose & methylglyoxal-induced injury through restoration of CBS/H ₂ S expression. <i>Neurochemistry International</i> , 2016, 92, 49-57.	3.8	23
89	Docosahexanoic acid modifies low-density lipoprotein receptor abundance in HepG2 cells via suppression of the LXRI±Idol pathway. <i>Molecular Medicine Reports</i> , 2015, 11, 2329-2333.	2.4	3
90	Rationale and design of RETAIN study: Rosuvastatin Effect on Telomere±telomerase system in Acute coronary syndrome patients undergoing percutaneous coronary Intervention. <i>International Journal of Cardiology</i> , 2015, 184, 388-390.	1.7	2

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91	Efficacy of isolated left ventricular and biventricular pacing is differentially associated with baseline QRS duration in chronic heart failure: a meta-analysis of randomized controlled trials. <i>Heart Failure Reviews</i> , 2015, 20, 81-88.	3.9	2
92	Efficacy and Safety of Edoxaban in Nonvalvular Atrial Fibrillation: A Meta-analysis of Randomized Controlled Trials. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 2710-2719.	1.6	6
93	Continuous angiotensin-(1 α 7) infusion improves myocardial calcium transient and calcium transient alternans in ischemia-induced cardiac dysfunction rats. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 645-650.	2.1	5
94	GY4137, a novel hydrogen sulfide-releasing molecule, likely protects against high glucose-induced cytotoxicity by activation of the AMPK/mTOR signal pathway in H9c2 cells. <i>Molecular and Cellular Biochemistry</i> , 2014, 389, 249-256.	3.1	58
95	Exogenous hydrogen sulfide alleviates high glucose-induced cardiotoxicity via inhibition of leptin signaling in H9c2 cells. <i>Molecular and Cellular Biochemistry</i> , 2014, 391, 147-155.	3.1	16
96	PDE5 inhibitor sildenafil in the treatment of heart failure: A meta-analysis of randomized controlled trials. <i>International Journal of Cardiology</i> , 2014, 172, 581-587.	1.7	40
97	Efficacy and safety of low-dose clopidogrel after 12-month dual antiplatelet therapy for patients having drug-eluting stent implantation. <i>Journal of Thoracic Disease</i> , 2014, 6, 459-65.	1.4	1
98	Changes in cell autophagy and apoptosis during age-related left ventricular remodeling in mice and their potential mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 822-826.	2.1	9
99	Higenamine Combined with [6]-Gingerol Suppresses Doxorubicin-Triggered Oxidative Stress and Apoptosis in Cardiomyocytes via Upregulation of PI3K/Akt Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-14.	1.2	28
100	Exploring the Causal Pathway From Body Mass Index to Coronary Heart Disease: A Network Mendelian Randomization Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
101	Global Risk Factors of Contrast-Induced Acute Kidney Injury: Systematic Review and Meta-Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
102	Behavioral Factors Mediated the Impact of Educational Attainment on Incident Heart Failure: A Mediation Analysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
103	Intensity of Hypertensive Exposure in Young Adulthood and Subclinical Atherosclerosis in Middle Age: The CARDIA Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0