

# Tian-Yuan Xiong

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,239  
citations

567281

15  
h-index

377865

34  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcatheter aortic valve implantation in patients with bicuspid valve morphology: a roadmap towards standardization. <i>Nature Reviews Cardiology</i> , 2023, 20, 52-67.	13.7	18
2	Cusp Symmetry and Coronary Ostial Eccentricity and its Impact on Coronary Access Following TAVR. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 123-134.	2.9	18
3	Patients With Bicuspid Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 794850.	2.4	2
4	Home-based mobile health exercise intervention: a solution to increase physical activity in recipients of transcatheter aortic valve replacement?. <i>European Heart Journal Digital Health</i> , 2021, 2, 88-89.	1.7	0
5	Variation of computed tomographic angiography-based fractional flow reserve after transcatheter aortic valve implantation. <i>European Radiology</i> , 2021, 31, 6220-6229.	4.5	1
6	Percutaneous closure of a fistula from the left circumflex coronary artery to the coronary sinus in an infant. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110217.	1.0	0
7	Left atrial and left atrial appendage remodeling after transcatheter aortic valve replacement: Preliminary results. <i>Cardiology Journal</i> , 2021, 28, 983-985.	1.2	0
8	The Relationship of Mitral Annulus Shape at CT to Mitral Regurgitation after Transcatheter Aortic Valve Replacement. <i>Radiology</i> , 2021, 301, 93-102.	7.3	3
9	Force distribution within the frame of self-expanding transcatheter aortic valve: Insights from in-vivo finite element analysis. <i>Journal of Biomechanics</i> , 2021, 128, 110804.	2.1	5
10	Novel Neuroimaging Evidence of Brain Lesions Following Transcatheter Aortic Valve Replacement. <i>Journal of the American Heart Association</i> , 2021, 10, e023395.	3.7	2
11	Anatomical characteristics of patients with symptomatic severe aortic stenosis in China. <i>Chinese Medical Journal</i> , 2021, 134, 2738-2740.	2.3	5
12	Characteristics and outcomes following transcatheter aortic valve replacement in China: a report from China aortic valve transcatheter replacement registry (CARRY). <i>Chinese Medical Journal</i> , 2021, 134, 2678-2684.	2.3	6
13	A CT-based technique to predict optimal projection for self-expanding TAVI in patients with different aortic valve anatomies. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 590.	1.7	1
14	Balloon sizing during transcatheter aortic valve implantation. <i>Herz</i> , 2020, 45, 192-198.	1.1	7
15	Letter by Xiong and Chen Regarding Article, "Third-Generation Balloon and Self-Expandable Valves for Aortic Stenosis in Large and Extra-Large Aortic Annuli From the TAVR-LARGE Registry". <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009984.	3.9	1
16	Triage for Potential Percutaneous Coronary Intervention During the Coronavirus Disease 2019 (COVID-19) Pandemic. <i>Frontiers in Medicine</i> , 2020, 7, 567598.	2.6	0
17	Optimal Fluoroscopic Projections of Coronary Ostia and Bifurcations Defined by Computed Tomographic Coronary Angiography. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2560-2570.	2.9	28
18	Hypertension is a risk factor for adverse outcomes in patients with coronavirus disease 2019: a cohort study. <i>Annals of Medicine</i> , 2020, 52, 361-366.	3.8	19

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19	Treating patients with excessively large annuli with self-expanding transcatheter aortic valves: insights into supra-annular structures that anchor the prosthesis. <i>Herz</i> , 2020, 46, 166-172.	1.1	2
20	Acute myocardial injury is common in patients with COVID-19 and impairs their prognosis. <i>Heart</i> , 2020, 106, 1154-1159.	2.9	162
21	Differences in metabolic profiles between bicuspid and tricuspid aortic stenosis in the setting of transcatheter aortic valve replacement. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 229.	1.7	6
22	Effect of concomitant aortic regurgitation on early hypo-attenuated leaflet thickening after transcatheter aortic valve replacement in patients with symptomatic severe aortic stenosis. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 1491-1497.	1.7	1
23	Coronaviruses and the cardiovascular system: acute and long-term implications. <i>European Heart Journal</i> , 2020, 41, 1798-1800.	2.2	581
24	Reshaping bicuspid aortic valve stenosis with an hourglass-shaped balloon for transcatheter aortic valve replacement: A pilot study. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 616-623.	1.7	6
25	PCR Planet: a review of structural transcatheter intervention practice across the continents. <i>EuroIntervention</i> , 2020, 16, 797-801.	3.2	1
26	Understanding the Interaction Between Transcatheter Aortic Valve Prostheses and Supra-Annular Structures From Post-Implant Stent Geometry. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1164-1171.	2.9	27
27	Transcatheter Aortic Valve Replacement in Patients with Aortic Stenosis Having Coronary Cusp Fusion versus Mixed Cusp Fusion Nonraphe Bicuspid Aortic Valve. <i>Journal of Interventional Cardiology</i> , 2019, 2019, 1-7.	1.2	4
28	Optimal fluoroscopic viewing angles of right-sided heart structures in patients with tricuspid regurgitation based on multislice computed tomography. <i>EuroIntervention</i> , 2019, 15, .	3.2	5
29	Gene polymorphisms in dual antiplatelet therapy and the presence of hypo-attenuated leaflet thickening after transcatheter aortic valve replacement. <i>Journal of Thrombosis and Thrombolysis</i> , 2018, 45, 463-465.	2.1	4
30	Comparison of procedural, clinical and valve performance results of transcatheter aortic valve replacement in patients with bicuspid versus tricuspid aortic stenosis. <i>International Journal of Cardiology</i> , 2018, 254, 69-74.	1.7	35
31	Supra-Annular Sizing for Transcatheter Aortic Valve Replacement Candidates With Bicuspid Aortic Valve. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1789-1790.	2.9	23
32	Permanent pacemaker implantation after transcatheter aortic valve replacement in bicuspid aortic valve patients. <i>Journal of Interventional Cardiology</i> , 2018, 31, 878-884.	1.2	6
33	Fluoroscopic Anatomy of Right-Sided Heart Structures for Transcatheter Interventions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1614-1625.	2.9	25
34	Less pronounced reverse left ventricular remodeling in patients with bicuspid aortic stenosis treated with transcatheter aortic valve replacement compared to tricuspid aortic stenosis. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1761-1767.	1.5	10
35	Transcatheter aortic valve replacement in patients with non-calcific aortic stenosis. <i>EuroIntervention</i> , 2018, 13, e1756-e1763.	3.2	6
36	Ad hoc percutaneous paravalvular leak closure after transcatheter aortic valve replacement facilitated by integrated multimodality imaging. <i>EuroIntervention</i> , 2018, 14, e526-e527.	3.2	2

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37	Bicuspid aortic stenosis in transcatheter aortic valve replacement era: Emerging confusions hindering the standardization of the procedure. <i>Cardiology Journal</i> , 2018, 25, 542-544.	1.2	0
38	Incidence, Predictors and Outcome of Prosthesis-Patient Mismatch after Transcatheter Aortic Valve Replacement: a Systematic Review and Meta-analysis. <i>Scientific Reports</i> , 2017, 7, 15014.	3.3	27
39	The safety of concomitant transcatheter aortic valve replacement and percutaneous coronary intervention. <i>Medicine (United States)</i> , 2017, 96, e8919.	1.0	17
40	Predictors and outcome of acute kidney injury after transcatheter aortic valve implantation: a systematic review and meta-analysis. <i>EuroIntervention</i> , 2017, 12, 2067-2074.	3.2	48
41	Hemodynamic changes after transcatheter aortic valve implantation during sequential follow-ups in patients with bicuspid aortic valve compared with tricuspid aortic valve. <i>Cardiology Journal</i> , 2017, 24, 350-357.	1.2	4
42	Attention on Infection Following Transcatheter Aortic Valve Implantation. <i>Infection Control and Hospital Epidemiology</i> , 2016, 37, 1392-1392.	1.8	0
43	Pacemaker implantation after transcatheter aortic valve replacement: A perspective from deployment and sizing. <i>International Journal of Cardiology</i> , 2016, 222, 654-655.	1.7	1
44	The relationship between chronic obstructive pulmonary disease and transcatheter aortic valve implantation—A systematic review and meta-analysis. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 570-578.	1.7	31
45	Meta-Analysis of the Effectiveness and Safety of Transcatheter Aortic Valve Implantation Without Balloon Predilation. <i>American Journal of Cardiology</i> , 2016, 117, 1629-1635.	1.6	19
46	The 100 top-cited tuberculosis research studies. <i>International Journal of Tuberculosis and Lung Disease</i> , 2015, 19, 717-722.	1.2	26
47	Causes of Death Following Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2015, 4, e002096.	3.7	44