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List of Publications by Year
in descending order

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84 papers	2,049 citations	279701 23 h-index	276775 41 g-index
90 all docs	90 docs citations	90 times ranked	2119 citing authors

#	Article	IF	Citations
1	Percutaneous coronary intervention versus coronary artery bypass grafting in patients with three-vessel or left main coronary artery disease: 10-year follow-up of the multicentre randomised controlled SYNTAX trial. Lancet, The, 2019, 394, 1325-1334.	6.3	406
2	Clinical characteristics, diagnosis, and risk stratification of pulmonary hypertension in severe tricuspid regurgitation and implications for transcatheter tricuspid valve repair. European Heart Journal, 2020, 41, 2785-2795.	1.0	117
3	Proposal for a Standard Echocardiographic Tricuspid Valve Nomenclature. JACC: Cardiovascular Imaging, 2021, 14, 1299-1305.	2.3	97
4	An integrated framework for finite-element modeling of mitral valve biomechanics from medical images: Application to MitralClip intervention planning. Medical Image Analysis, 2012, 16, 1330-1346.	7.0	94
5	Sixâ€month outcome after transcatheter edgeâ€toâ€edge repair of severe tricuspid regurgitation in patients with heart failure. European Journal of Heart Failure, 2018, 20, 1055-1062.	2.9	76
6	Physiological and Clinical Consequences of Right Ventricular Volume Overload Reduction After Transcatheter Treatment for Tricuspid Regurgitation. JACC: Cardiovascular Interventions, 2019, 12, 1423-1434.	1.1	73
7	Surgical Explantation After TAVR Failure. JACC: Cardiovascular Interventions, 2021, 14, 1978-1991.	1.1	67
8	Transapical Beating Heart Mitral Valve Repair. Circulation: Cardiovascular Interventions, 2010, 3, 611-612.	1.4	54
9	Good 5-Year Durability of Transapical Beating Heart Off-Pump Mitral Valve Repair With Neochordae. Annals of Thoracic Surgery, 2018, 106, 440-445.	0.7	48
10	Right Ventricular Contraction Patterns in Patients Undergoing Transcatheter Tricuspid Valve Repair for Severe Tricuspid Regurgitation. JACC: Cardiovascular Interventions, 2021, 14, 1551-1561.	1.1	48
11	Combined Mitral and Tricuspid Versus Isolated Mitral Valve Transcatheter Edge-to-Edge Repair in Patients With Symptomatic Valve Regurgitation at HighÂSurgical Risk. JACC: Cardiovascular Interventions, 2018, 11, 1142-1151.	1.1	43
12	Impact of Proportionality of Secondary Mitral Regurgitation on Outcome After Transcatheter Mitral Valve Repair. JACC: Cardiovascular Imaging, 2021, 14, 715-725.	2.3	42
13	Impact of Optimal Medical Therapy on 10-Year Mortality After CoronaryÂRevascularization. Journal of the American College of Cardiology, 2021, 78, 27-38.	1.2	41
14	Transcatheter treatment of tricuspid regurgitation using edge-to-edge repair: procedural results, clinical implications and predictors of success. EuroIntervention, 2018, 14, e290-e297.	1.4	39
15	Loop neochord versus leaflet resection techniques for minimally invasive mitral valve repair: long-term results. European Journal of Cardio-thoracic Surgery, 2021, 59, 180-186.	0.6	32
16	10-Year Follow-Up After Revascularization in Elderly Patients With Complex Coronary Artery Disease. Journal of the American College of Cardiology, 2021, 77, 2761-2773.	1.2	32
17	Sex Differences in All-Cause Mortality in the Decade Following Complex CoronaryÂRevascularization. Journal of the American College of Cardiology, 2020, 76, 889-899.	1.2	30
18	Deep sedation versus general anesthesia in percutaneous edge-to-edge mitral valve reconstruction using the MitraClip system. Clinical Research in Cardiology, 2016, 105, 535-543.	1.5	29

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19	Mitral Valve Surgical Procedures in the Elderly. Annals of Thoracic Surgery, 2012, 94, 1999-2003.	0.7	28
20	Nutritional status in tricuspid regurgitation: implications of transcatheter repair. European Journal of Heart Failure, 2020, 22, 1826-1836.	2.9	28
21	Mitral Valve Surgery After Transcatheter Edge-to-Edge Repair. JACC: Cardiovascular Interventions, 2021, 14, 2010-2021.	1.1	27
22	Assessment of acute changes in ventricular volumes, function, and strain after interventional edge-to-edge repair of mitral regurgitation using cardiac magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 1399-1404.	0.5	24
23	Combined Coronary CT-Angiography and TAVI-Planning: A Contrast-Neutral Routine Approach for Ruling-Out Significant Coronary Artery Disease. Journal of Clinical Medicine, 2020, 9, 1623.	1.0	24
24	Manta versus Perclose ProGlide vascular closure device after transcatheter aortic valve implantation: Initial experience from a large European center. Cardiovascular Revascularization Medicine, 2022, 37, 34-40.	0.3	24
25	Combined cCTA and TAVR Planning forÂRuling Out Significant CAD. JACC: Cardiovascular Imaging, 2022, 15, 476-486.	2.3	24
26	Trans-apical beating-heart implantation of neo-chordae to mitral valve leaflets: results of an acute animal study. European Journal of Cardio-thoracic Surgery, 2011, 41, 173-6; discussion 176.	0.6	23
27	10-Year All-Cause Mortality Following Percutaneous or Surgical Revascularization inÂPatientsÂWithÂHeavyÂCalcification. JACC: Cardiovascular Interventions, 2022, 15, 193-204.	1.1	23
28	Four-dimensional modelling of the mitral valve by real-time 3D transoesophageal echocardiography: proof of concept. Interactive Cardiovascular and Thoracic Surgery, 2015, 20, 200-208.	0.5	22
29	Changes in the haemostatic system after thermoneutral and hyperthermic water immersion. European Journal of Applied Physiology, 2008, 102, 547-554.	1.2	21
30	New concepts for mitral valve imaging. Annals of Cardiothoracic Surgery, 2013, 2, 787-95.	0.6	20
31	Custodiol versus cold Calafiore for elective cardiac arrest in isolated aortic valve replacement: a propensity-matched analysis of 7263 patientsâ€. European Journal of Cardio-thoracic Surgery, 2017, 52, 303-309.	0.6	19
32	Long-term survival after coronary bypass surgery with multiple versus single arterial grafts. European Journal of Cardio-thoracic Surgery, 2022, 61, 925-933.	0.6	19
33	Outcomes of Dialysis-Dependent Patients After Cardiac Operations in a Single-Center Experience of 483 Patients. Annals of Thoracic Surgery, 2017, 103, 1270-1276.	0.7	18
34	Mortality 10 Years After Percutaneous or Surgical Revascularization in Patients With Total Coronary Artery Occlusions. Journal of the American College of Cardiology, 2021, 77, 529-540.	1.2	17
35	Single or multiple arterial bypass graft surgery vs. percutaneous coronary intervention in patients with three-vessel or left main coronary artery disease. European Heart Journal, 2022, 43, 1334-1344.	1.0	17
36	Impact of Tricuspid Valve Morphology on Clinical Outcomes After Transcatheter Edge-to-Edge Repair. JACC: Cardiovascular Interventions, 2021, 14, 1616-1618.	1.1	16

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37	The role of the heart team in complicated transcatheter aortic valve implantation: a 7-year single-centre experience. European Journal of Cardio-thoracic Surgery, 2015, 47, 1090-1096.	0.6	15
38	Changes in dynamic mitral valve geometry during percutaneous edgeâ€“edge mitral valve repair with the MitraClip system. Journal of Echocardiography, 2019, 17, 84-94.	0.4	15
39	European registry of type A aortic dissection (ERTAAD) - rationale, design and definition criteria. Journal of Cardiothoracic Surgery, 2021, 16, 171.	0.4	14
40	Transcatheter edge-to-edge mitral valve repair with the PASCAL system: early results from a real-world series. EuroIntervention, 2020, 16, 824-832.	1.4	13
41	Facilitated anastomosis using a reverse thermo-sensitive polymer for temporary coronary occlusion in off-pump minimally invasive direct coronary artery bypass surgeryâ˜†. Interactive Cardiovascular and Thoracic Surgery, 2010, 11, 532-536.	0.5	12
42	Reoperative Transapical Aortic Valve Implantation for Early Structural Valve Deterioration of a SAPIEN XT valve. Annals of Thoracic Surgery, 2013, 95, 2169-2170.	0.7	12
43	Advanced symptoms are associated with myocardial damage in patients with severe aortic stenosis. Journal of Cardiology, 2017, 70, 41-47.	0.8	12
44	Antegrade selective cerebral perfusion reduced in-hospital mortality and permanent focal neurological deficit in patients with elective aortic arch surgeryâ€. European Journal of Cardio-thoracic Surgery, 2019, 56, 1001-1008.	0.6	12
45	The Ubiquitin Proteasome System in Ischemic and Dilated Cardiomyopathy. International Journal of Molecular Sciences, 2019, 20, 6354.	1.8	12
46	Dynamic mitral valve geometry in patients with primary and secondary mitral regurgitation: implications for mitral valve repairâ€. European Journal of Cardio-thoracic Surgery, 2019, 56, 983-992.	0.6	11
47	Health Status After Transcatheter Tricuspid Valve Repair in Patients With Functional Tricuspid Regurgitation. JACC: Cardiovascular Interventions, 2021, 14, 2545-2556.	1.1	11
48	Transapical Mitral Valve Implantation for Native Mitral Valve Stenosis Using a Balloon-Expandable Prosthesis. Annals of Thoracic Surgery, 2017, 104, 2030-2036.	0.7	10
49	Multi-biomarker mortality prediction in patients with aortic stenosis undergoing valve replacement. Journal of Cardiology, 2020, 76, 154-162.	0.8	10
50	Annuloplasty ring dehiscence after mitral valve repair: incidence, localization and reoperation. European Journal of Cardio-thoracic Surgery, 2019, 57, 300-307.	0.6	8
51	Safety and Efficacy of Transcatheter Edge-to-Edge Repair of the Tricuspid Valve in Patients With Cardiac Implantable Electronic Device Leads. JACC: Cardiovascular Interventions, 2019, 12, 2114-2116.	1.1	8
52	Patient-Specific Neocommissural Alignment of the Evolut Valve. JACC: Cardiovascular Interventions, 2021, 14, 934-936.	1.1	8
53	Transmitral myectomy and how to deal with systolic anterior motion (SAM) in hypertrophic obstructive cardiomyopathy. Annals of Cardiothoracic Surgery, 2017, 6, 416-418.	0.6	7
54	Transcatheter mitral valve repair: review of current techniques. Indian Journal of Thoracic and Cardiovascular Surgery, 2020, 36, 53-63.	0.2	7

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55	Mortality after multivessel revascularisation involving the proximal left anterior descending artery. Heart, 2022, 108, 1784-1791.	1.2	7
56	Impact of Body Composition Indices on Ten-year Mortality After Revascularization of Complex Coronary Artery Disease (From the Syntax Extended Survival Trial). American Journal of Cardiology, 2021, 151, 30-38.	0.7	6
57	Transapical neochord implantation. Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery, 2011, 2011, .	0.5	5
58	Cooling after successful resuscitation in cardiac surgery patients. Journal of Cardiothoracic Surgery, 2013, 8, 190.	0.4	5
59	Late device embolization after transcatheter mitral valve edge-to-edge repair. European Heart Journal, 2017, 38, ehw602.	1.0	5
60	Postoperative outcome after reoperative isolated tricuspid valve surgeryâ€"is there a predictor for survival?. European Journal of Cardio-thoracic Surgery, 2021, 60, 867-871.	0.6	5
61	Combined Coronary CT-Angiography and TAVI Planning: Utility of CT-FFR in Patients with Morphologically Ruled-Out Obstructive Coronary Artery Disease. Journal of Clinical Medicine, 2022, 11, 1331.	1.0	5
62	Treatment of the aortic root in acute aortic dissection type A: insights from the German Registry for Acute Aortic Dissection Type A. European Journal of Cardio-thoracic Surgery, 2022, 62, .	0.6	5
63	Early- and mid-term outcomes following redo surgical aortic valve replacement in patients with previous transcatheter aortic valve implantation. European Journal of Cardio-thoracic Surgery, 2022, 62, .	0.6	5
64	Isolated Mitral Valve Repair in Patients with Reduced Left Ventricular Ejection Fraction. Annals of Thoracic and Cardiovascular Surgery, 2019, 25, 326-335.	0.3	4
65	Symetis Acurate Aortic Valve-in-Valve Implantation for Early Degeneration of a Sapien THV Prosthesis. Annals of Thoracic Surgery, 2013, 96, 1880.	0.7	3
66	Preoperative Predictors and Outcome of Triple Valve Surgery in 487 Consecutive Patients. Thoracic and Cardiovascular Surgeon, 2017, 65, 174-181.	0.4	3
67	Mitral and tricuspid annuloplasty ring dehiscence, a story yet to be told. European Journal of Cardio-thoracic Surgery, 2021, 60, 811-812.	0.6	3
68	Chordal replacement: future surgical gold standard or first-line option as bridge to definitive therapy in primary mitral regurgitation?. Annals of Cardiothoracic Surgery, 2021, 10, 167-169.	0.6	3
69	Late left ventricular pseudoaneurysm following transfemoral transcatheter aortic valve replacement. European Journal of Cardio-thoracic Surgery, 2015, 48, 172-173.	0.6	2
70	Preoperative determination of artificial chordae length: Wishful thinking?. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1632-1633.	0.4	2
71	Acute Effect of Mitral Valve Repair on Mitral Valve Geometry. Thoracic and Cardiovascular Surgeon, 2019, 67, 516-523.	0.4	2
72	Quantification of regurgitation in mitral valve prolapse with automated real time echocardiographic 3D proximal isovelocity surface area: multimodality consistency and role of eccentricity index. International Journal of Cardiovascular Imaging, 2021, 37, 1947-1959.	0.7	2

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73	Bail-out edge-to-edge mitral repair for an acute single leaflet device attachment: a case report. European Heart Journal - Case Reports, 2021, 5, ytab147.	0.3	2
74	Tricuspid Valve Morphology and Outcome in Patients Undergoing Transcatheter Tricuspid Valve Edge-to-Edge Repair. JACC: Cardiovascular Interventions, 2022, 15, 567-569.	1.1	2
75	CT Planning prior to Transcatheter Mitral Valve Replacement (TMVR). RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, 194, 373-383.	0.7	2
76	Minimally Invasive Mitral Valve Repair in a Marfan Patient with Severe Scoliokyphosis. The Thoracic and Cardiovascular Surgeon Reports, 2014, 03, 001-002.	0.1	1
77	Imaging in Cardiac Surgery: Visualizing the Heart. Thoracic and Cardiovascular Surgeon, 2017, 65, S213-S216.	0.4	1
78	Transcatheter â€œvalveâ€•inâ€•valveâ€Âmitral valve replacement for patientâ€•prosthesis mismatch: Chronicle of a death foretold. Journal of Cardiac Surgery, 2020, 35, 3606-3609.	0.3	1
79	Clinical Outcomes after Mitral Valve Repair with the Physio II Annuloplasty Ring. Thoracic and Cardiovascular Surgeon, 2022, 70, 100-105.	0.4	1
80	Is the pulmonary pressure directly correlated with the operative risk in patients with isolated tricuspid valve surgery?. Journal of Cardiovascular Surgery, 2021, , .	0.3	1
81	Impact of major infections on 10-year mortality after revascularization in patients with complex coronary artery disease. International Journal of Cardiology, 2021, 341, 9-12.	0.8	1
82	Commentary: Prevention of Systolic Anterior Motion After Mitral Repair in Hypertrophic Obstructive Cardiomyopathy: One Simple Stitch Fits All?. Seminars in Thoracic and Cardiovascular Surgery, 2020, 32, 269-270.	0.4	1
83	Extracting the Fine Structure of the Left Cardiac Ventricle in 4D CT Data. Informatik Aktuell, 2011, , 264-268.	0.4	0
84	Surgical Tricuspid Valve Repair â€“ To 3D or not 3D. European Journal of Cardio-thoracic Surgery, 2022, , .	0.6	0