

S Chris Malaisrie

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

7,263
citations

185998

28
h-index

58464

82
g-index

119
all docs

119
docs citations

119
times ranked

6831
citing authors

#	ARTICLE	IF	CITATIONS
1	Preoperative left atrial strain abnormalities are associated with the development of postoperative atrial fibrillation following isolated coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 917-924.	0.4	15
2	Fate of moderate aortic regurgitation after cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 1784-1792.e1.	0.4	2
3	Failed bioprosthetic valve approaches: Transcatheter aortic valve replacement approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1795-1798.	0.4	5
4	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilatation in Bicuspid Aortic Valve. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 33-42.	2.3	37
5	Association of Volume and Outcomes in 234 556 Patients Undergoing Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1299-1306.	0.7	16
6	Chiari network and patent foramen ovale associated with stroke. <i>JTCVS Techniques</i> , 2022, 11, 45-47.	0.2	4
7	Joint surgical associations (EACTS, LACES, ASCVTS, AATS, and STS) position statement regarding the VARC-3 definitions for aortic valve clinical research. <i>Asian Cardiovascular and Thoracic Annals</i> , 2022, , 021849232210830.	0.2	0
8	The PARTNER 3 Bicuspid Registry for Transcatheter Aortic Valve Replacement in Low-Surgical-Risk Patients. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 523-532.	1.1	28
9	Valve-sparing versus valve-replacing aortic root replacement in patients with aortic root aneurysm. <i>Journal of Cardiac Surgery</i> , 2022, 37, 1947-1956.	0.3	3
10	Minimally Invasive Versus Full Sternotomy for Isolated Aortic Valve Replacement in Low-Risk Patients. <i>Annals of Thoracic Surgery</i> , 2022, 114, 2124-2130.	0.7	12
11	Surgery and Catheter Ablation for Atrial Fibrillation: History, Current Practice, and Future Directions. <i>Journal of Clinical Medicine</i> , 2022, 11, 210.	1.0	11
12	Ring Sizing and Coaptation Length: Creating the Goldilocks Mitral Repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, , .	0.6	0
13	A history of collaboration between electrophysiologists and arrhythmia surgeons. <i>Journal of Cardiovascular Electrophysiology</i> , 2022, 33, 1966-1977.	0.8	1
14	Triage and management of aortic emergencies during the coronavirus disease 2019 (COVID-19) pandemic: A consensus document supported by the American Association for Thoracic Surgery (AATS) and Asian Society for Cardiovascular and Thoracic Surgery (ASCVTS). <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 48-53.	0.4	4
15	Safety of Atrial Fibrillation Ablation With Isolated Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2021, 111, 809-817.	0.7	11
16	Mechanical Complications of Acute Myocardial Infarction. <i>JAMA Cardiology</i> , 2021, 6, 341.	3.0	101
17	Unique technical challenges in patients undergoing TAVR for failed aortic homografts. <i>Journal of Cardiac Surgery</i> , 2021, 36, 89-96.	0.3	6
18	Ablation of atrial fibrillation during coronary artery bypass grafting: Late outcomes in a Medicare population. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1251-1261.e1.	0.4	28

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19	The impact of intraoperative residual mild regurgitation after repair of degenerative mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1215-1224.e4.	0.4	12
20	Outcomes of 3â€­day discharge after elective cardiac surgery. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1441-1447.	0.3	7
21	4D flow MRI after aortic replacement with frozen elephant trunk using thoraflex hybrid graft. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1543-1545.	0.3	1
22	Atrial Fibrillation Is Associated With Mortality in Intermediate Surgical Risk Patients With Severe Aortic Stenosis: Analyses From the PARTNER 2A and PARTNER S3i Trials. <i>Journal of the American Heart Association</i> , 2021, 10, e019584.	1.6	7
23	Outcomes 2 Years After Transcatheter Aortic Valve Replacement in Patients at Low Surgical Risk. <i>Journal of the American College of Cardiology</i> , 2021, 77, 1149-1161.	1.2	204
24	Four-Dimensional Magnetic Resonance After Ross Procedure for Unicuspid Aortic Valve. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011500.	1.3	1
25	Does gender bias affect outcomes in mitral valve surgery for degenerative mitral regurgitation?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 325-332.	0.5	14
26	Outcomes of Sutureless/Rapid Deployment Valves Compared to Traditional Bioprosthetic Aortic Valves. <i>Annals of Thoracic Surgery</i> , 2021, 111, 1884-1891.	0.7	14
27	Atrial Fibrillation and Outcomes After Transcatheter or Surgical Aortic Valve Replacement (from the) Tj ETQq1 1 0.784314 rgBT /Over 0.7	0.7	7
28	Complete Regional Absence of Vasa Vasorum in an Ascending Aortic Aneurysm. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012312.	1.3	1
29	Noninvasive Morphologic and Hemodynamic Evaluation of Type B Aortic Dissection: State of the Art and Future Perspectives. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e200456.	0.9	14
30	Postoperative Atrial Fibrillation or Flutter Following Transcatheter or Surgical Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1565-1574.	1.1	21
31	Utilization, Costs, and Outcomes of Conscious Sedation Versus General Anesthesia for Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010310.	1.4	6
32	Cryosurgery for Atrial Fibrillation: Physiologic Basis for Creating Optimal Cryolesions. <i>Annals of Thoracic Surgery</i> , 2021, 112, 354-362.	0.7	13
33	Incidence and Clinical Significance of Worsening Tricuspid Regurgitation Following Surgical or Transcatheter Aortic Valve Replacement: Analysis From the PARTNER IIA Trial. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010437.	1.4	16
34	Use of left atrial appendage occlusion among older cardiac surgery patients with preoperative atrial fibrillation: a national cohort study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 57, 399-407.	0.6	2
35	Surgical repair of bicuspid aortopathy at small diameters: Clinical and institutional factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2216-2226.e2.	0.4	10
36	Parametric Hemodynamic 4D Flow MRI Maps for the Characterization of Chronic Thoracic Descending Aortic Dissection. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1357-1368.	1.9	27

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37	Seismocardiography and 4D flow MRI reveal impact of aortic valve replacement on chest acceleration and aortic hemodynamics. <i>Journal of Cardiac Surgery</i> , 2020, 35, 232-235.	0.3	3
38	Best Practices of Aortic Valve Replacement With the Edwards Intuity Elite Valve. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1289-1293.	0.7	8
39	Contemporary Reoperative Mitral Valve Surgery: Technical Considerations and Clinical Outcomes. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2020, 15, 425-439.	0.4	5
40	Optimal Imaging Guidance During Transcatheter Mitral Valve-in-Valve Replacement in Bioprostheses With Radiolucent Sewing Rings. <i>JACC: Case Reports</i> , 2020, 2, 1129-1134.	0.3	1
41	Relationship of left ventricular outflow tract velocity time integral to treatment strategy in submassive and massive pulmonary embolism. <i>Pulmonary Circulation</i> , 2020, 10, 1-7.	0.8	1
42	Cardiac surgery considerations and lessons learned during the COVID-19 pandemic. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1979-1987.	0.3	4
43	Updates on Indications for TEVAR in Type B Aortic Dissection. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2020, 15, 495-501.	0.4	12
44	Applications of a Specialty Bicuspid Aortic Valve Program: Clinical Continuity and Translational Collaboration. <i>Journal of Clinical Medicine</i> , 2020, 9, 1354.	1.0	4
45	Dual-Energy Computed Tomography as an Alternative Noninvasive Study for Evaluation of Chronic Thromboembolic Pulmonary Hypertension Postoperatively. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010168.	1.3	2
46	Transcatheter Aortic Valve Replacement Outcomes Based on the Presence of Chronic Total Occlusion. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 1305-1310.	0.3	5
47	Cardiac anatomy pertinent to the catheter and surgical treatment of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2118-2127.	0.8	3
48	Impact of age, sex, and global function on normal aortic hemodynamics. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2088-2102.	1.9	15
49	Echocardiographic Results of Transcatheter Versus Surgical Aortic Valve Replacement in Low-Risk Patients. <i>Circulation</i> , 2020, 141, 1527-1537.	1.6	89
50	Effect of Baseline Left Ventricular Ejection Fraction on 2-Year Outcomes After Transcatheter Aortic Valve Replacement. <i>Circulation: Heart Failure</i> , 2019, 12, e005809.	1.6	27
51	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. <i>Radiology</i> , 2019, 293, 541-550.	3.6	21
52	The electrophysiologic basis for lesions of the contemporary Maze operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 584-590.	0.4	24
53	Commentary: How old is too old for aortic arch surgery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 982-983.	0.4	0
54	Detection and Hemodynamic Evaluation of Flap Fenestrations in Type B Aortic Dissection with 4D Flow MRI: Comparison with Conventional MRI and CT Angiography. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e180009.	0.9	34

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55	Is mitral valve disease treated differently in men and women?. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1433-1443.	0.8	27
56	Prognosis of Severe Asymptomatic Aortic Stenosis With and Without Surgery. <i>Annals of Thoracic Surgery</i> , 2019, 108, 74-79.	0.7	50
57	Transcatheter Aortic-Valve Replacement with a Balloon-Expandable Valve in Low-Risk Patients. <i>New England Journal of Medicine</i> , 2019, 380, 1695-1705.	13.9	3,312
58	Alternative Implantation Technique for Rapid Deployment Valve. <i>Annals of Thoracic Surgery</i> , 2019, 107, e291-e292.	0.7	2
59	Comparison of Monitored Anesthesia Care and General Anesthesia for Transcatheter Aortic Valve Replacement. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2019, 14, 436-444.	0.4	6
60	A Hybrid Maze Procedure for Long-Standing Persistent Atrial Fibrillation. <i>Annals of Thoracic Surgery</i> , 2019, 107, 610-618.	0.7	25
61	Facilitating Hemostasis After Proximal Aortic Surgery: Results of The PROTECT Trial. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1357-1364.	0.7	7
62	Association Between Left Atrial Appendage Occlusion and Readmission for Thromboembolism Among Patients With Atrial Fibrillation Undergoing Concomitant Cardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 365.	3.8	134
63	Perioperative evaluation of regional aortic wall shear stress patterns in patients undergoing aortic valve and/or proximal thoracic aortic replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2277-2286.e2.	0.4	33
64	Burden of preoperative atrial fibrillation in patients undergoing coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2358-2367.e1.	0.4	25
65	Outcomes after Transcatheter and Surgical Aortic Valve Replacement in Intermediate Risk Patients with Preoperative Mitral Regurgitation: Analysis of PARTNER II Randomized Cohort. <i>Structural Heart</i> , 2018, 2, 336-343.	0.2	4
66	Conduction recovery following pacemaker implantation after transcatheter aortic valve replacement. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 42, 146-152.	0.5	28
67	De novo atrial fibrillation after mitral valve surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1515-1525.e11.	0.4	10
68	The Maze Procedure and Postoperative Pacemakers. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1561-1569.	0.7	35
69	When Is a Maze Procedure a Maze Procedure?. <i>Canadian Journal of Cardiology</i> , 2018, 34, 1482-1491.	0.8	35
70	Aortic valve-mediated wall shear stress is heterogeneous and predicts regional aortic elastic fiber thinning in bicuspid aortic valve-associated aortopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 2112-2120.e2.	0.4	103
71	Concomitant Atrial Fibrillation Surgery for People Undergoing Cardiac Surgery. <i>JAMA Cardiology</i> , 2017, 2, 334.	3.0	12
72	The Use of Topical Hemostatic Agents in Cardiothoracic Surgery. <i>Annals of Thoracic Surgery</i> , 2017, 104, 353-360.	0.7	49

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73	Aortoesophageal fistula resulting from aortic endograft migration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 785-786.e1.	0.4	7
74	Creating a 90° curve in polyester grafts during thoracic aortic surgery using the pleat technique. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 414-416.	0.4	2
75	Relation of Intensity of Statin Therapy and Outcomes After Transcatheter Aortic Valve Replacement. <i>American Journal of Cardiology</i> , 2017, 119, 1832-1838.	0.7	24
76	Diastolic Function and Transcatheter Aortic Valve Replacement. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 541-551.	1.2	35
77	Left ventricular pseudoaneurysm as a complication of left ventricular summit premature ventricular contraction ablation. <i>HeartRhythm Case Reports</i> , 2017, 3, 268-271.	0.2	7
78	A Papillary Fibroelastoma Involving Aortic and Pulmonary Valves: Findings on Multimodality Imaging. <i>Annals of Thoracic Surgery</i> , 2017, 103, e73-e75.	0.7	8
79	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4-Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	126
80	Prothrombin Complex Concentrate Reduces Blood Product Utilization in Heart Transplantation. <i>Pharmacotherapy</i> , 2017, 37, 1215-1220.	1.2	16
81	The impact of delirium on healthcare utilization and survival after transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 89, 1286-1291.	0.7	31
82	Single leaflet reconstruction of pulmonic valve with decellularized bovine pericardium. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 24, 969-971.	0.5	5
83	Transcatheter Aortic Valve Implantation. <i>Current Atherosclerosis Reports</i> , 2016, 18, 27.	2.0	7
84	A contemporary analysis of pulmonary hypertension in patients undergoing mitral valve surgery: Is this a risk factor?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1288-1299.	0.4	20
85	Transcatheter aortic valve replacement versus surgical valve replacement in intermediate-risk patients: a propensity score analysis. <i>Lancet, The</i> , 2016, 387, 2218-2225.	6.3	899
86	Scallops, fenestrations, CHIMPS, and other monkey business. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1229.	0.4	0
87	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1239-1247.	0.5	42
88	Statin Use and Aneurysm Risk in Patients With Bicuspid Aortic Valve Disease. <i>Clinical Cardiology</i> , 2016, 39, 41-47.	0.7	22
89	One-Year Clinical Outcomes With SAPIEN 3 Transcatheter Aortic Valve Replacement in High-Risk and Inoperable Patients With Severe Aortic Stenosis. <i>Circulation</i> , 2016, 134, 130-140.	1.6	172
90	Age-related changes in aortic 3D blood flow velocities and wall shear stress: Implications for the identification of altered hemodynamics in patients with aortic valve disease. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1239-1249.	1.9	66

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91	Reduction of aberrant aortic haemodynamics following aortic root replacement with a mechanical valved conduit. Interactive Cardiovascular and Thoracic Surgery, 2016, 23, 416-423.	0.5	18
92	Frailty Status and Outcomes After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2016, 117, 1966-1971.	0.7	46
93	Two Cases of Aortic Intimal Intussusception During Endovascular Repair of an Acute Type B Dissection. Journal of Endovascular Therapy, 2016, 23, 521-528.	0.8	9
94	An Endovascular Approach to the Entrapped Central Venous Catheter After Cardiac Surgery. CardioVascular and Interventional Radiology, 2016, 39, 453-457.	0.9	3
95	Inhospital and Post-discharge Changes in Renal Function After Transcatheter Aortic Valve Replacement. American Journal of Cardiology, 2016, 117, 633-639.	0.7	12
96	Gender differences in outcomes after surgical ablation of atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 391-398.e2.	0.4	16
97	Influence of beta-blocker therapy on aortic blood flow in patients with bicuspid aortic valve. International Journal of Cardiovascular Imaging, 2016, 32, 621-628.	0.7	18
98	Four-dimensional flow magnetic resonance imaging-based characterization of aortic morphometry and haemodynamics: impact of age, aortic diameter, and valve morphology. European Heart Journal Cardiovascular Imaging, 2016, 17, 877-884.	0.5	56
99	Efficacy and safety of novel oral anticoagulants in patients with bioprosthetic valves. Clinical Research in Cardiology, 2016, 105, 268-272.	1.5	54
100	Minimally Invasive Mitral Valve Surgery I: Patient Selection, Evaluation, and Planning. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2016, 11, 243-250.	0.4	7
101	Minimally Invasive Mitral Valve Surgery II Surgical Technique and Postoperative Management. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2016, 11, 251-259.	0.4	7
102	Minimally Invasive Mitral Valve Surgery III: Training and Robotic-Assisted Approaches. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2016, 11, 260-267.	0.4	7
103	Overcoming reporting challenges: How to display, summarize, and model late reintervention outcomes, follow-up, and vital status information after surgery for atrial fibrillation. Heart Rhythm, 2015, 12, 1456-1463.	0.3	6
104	Paravalvular regurgitation after conventional aortic and mitral valve replacement: A benchmark for alternative approaches. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 860-868.e1.	0.4	29
105	Comparison of Outcomes and Presentation in Men-Versus-Women With Bicuspid Aortic Valves Undergoing Aortic Valve Replacement. American Journal of Cardiology, 2015, 116, 250-255.	0.7	35
106	Intraoperative Coronary Artery Dissection in Fibromuscular Dysplasia. Annals of Thoracic Surgery, 2015, 99, 1442-1444.	0.7	0
107	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. Journal of the American College of Cardiology, 2015, 66, 892-900.	1.2	360
108	Comparison of Hemodynamics After Aortic Root Replacement Using Valve-Sparing or Bioprosthetic Valved Conduit. Annals of Thoracic Surgery, 2015, 100, 1556-1562.	0.7	37

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109	Response to Letter Regarding Article, "Bicuspid Aortic Cusp Fusion Morphology Alters Aortic Three-Dimensional Outflow Patterns, Wall Shear Stress, and Expression of Aortopathy" Circulation, 2014, 130, e171.	1.6	6
110	Frozen Elephant Trunk Repair for Descending Thoracic Aortic Dissection in a Man with a Hostile Left Pleural Cavity. Texas Heart Institute Journal, 2014, 41, 341-343.	0.1	1
111	Evaluation of aortic stenosis severity using 4D flow jet shear layer detection for the measurement of valve effective orifice area. Magnetic Resonance Imaging, 2014, 32, 891-898.	1.0	24
112	Haemodynamic outcome at four-dimensional flow magnetic resonance imaging following valve-sparing aortic root replacement with tricuspid and bicuspid valve morphology. European Journal of Cardio-thoracic Surgery, 2014, 45, 818-825.	0.6	28
113	Aortoplasty for Management of the Dilated Distal Ascending Aorta During Proximal Aortic Reconstruction. Annals of Thoracic Surgery, 2013, 96, 1499-1501.	0.7	1
114	Cardiac magnetic resonance imaging is more diagnostic than 2-dimensional echocardiography in determining the presence of bicuspid aortic valve. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 370-376.	0.4	39
115	Atrial fibrillation ablation in patients undergoing aortic valve replacement. Journal of Heart Valve Disease, 2012, 21, 350-7.	0.5	26
116	Transcatheter aortic valve implantation decreases the rate of unoperated aortic stenosis. European Journal of Cardio-thoracic Surgery, 2011, 40, 43-48.	0.6	34
117	Contemporary Perioperative Results of Isolated Aortic Valve Replacement for Aortic Stenosis. Annals of Thoracic Surgery, 2010, 89, 751-756.	0.7	69
118	Valve repair for traumatic tricuspid regurgitation. Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery, 2008, 2008, mmcts.2007.002790.	0.5	1
119	Baseline 4D Flow-Derived in vivo Hemodynamic Parameters Stratify Descending Aortic Dissection Patients With Enlarging Aortas. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	9