S Chris Malaisrie

List of Publications by Year in descending order

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185998 58464 7,263 119 28 82 citations h-index g-index papers 119 119 119 6831 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Transcatheter Aortic-Valve Replacement with a Balloon-Expandable Valve in Low-Risk Patients. New England Journal of Medicine, 2019, 380, 1695-1705.	13.9	3,312
2	Transcatheter aortic valve replacement versus surgical valve replacement in intermediate-risk patients: a propensity score analysis. Lancet, The, 2016, 387, 2218-2225.	6.3	899
3	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. Journal of the American College of Cardiology, 2015, 66, 892-900.	1.2	360
4	Outcomes 2 Years After Transcatheter Aortic Valve Replacement in Patients at Low Surgical Risk. Journal of the American College of Cardiology, 2021, 77, 1149-1161.	1.2	204
5	One-Year Clinical Outcomes With SAPIEN 3 Transcatheter Aortic Valve Replacement in High-Risk and Inoperable Patients With Severe Aortic Stenosis. Circulation, 2016, 134, 130-140.	1.6	172
6	Association Between Left Atrial Appendage Occlusion and Readmission for Thromboembolism Among Patients With Atrial Fibrillation Undergoing Concomitant Cardiac Surgery. JAMA - Journal of the American Medical Association, 2018, 319, 365.	3.8	134
7	Aortic Valve Stenosis Alters Expression of Regional Aortic Wall Shear Stress: New Insights From a 4â€Dimensional Flow Magnetic Resonance Imaging Study of 571 Subjects. Journal of the American Heart Association, 2017, 6, .	1.6	126
8	Aortic valve-mediated wall shear stress is heterogeneous and predicts regional aortic elastic fiber thinning in bicuspid aortic valve-associated aortopathy. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2112-2120.e2.	0.4	103
9	Mechanical Complications of Acute Myocardial Infarction. JAMA Cardiology, 2021, 6, 341.	3.0	101
10	Echocardiographic Results of Transcatheter Versus Surgical Aortic Valve Replacement in Low-Risk Patients. Circulation, 2020, 141, 1527-1537.	1.6	89
11	Contemporary Perioperative Results of Isolated Aortic Valve Replacement for Aortic Stenosis. Annals of Thoracic Surgery, 2010, 89, 751-756.	0.7	69
12	Ageâ€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. Journal of Magnetic Resonance Imaging, 2016, 43, 1239-1249.	1.9	66
13	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
14	Efficacy and safety of novel oral anticoagulants in patients with bioprosthetic valves. Clinical Research in Cardiology, 2016, 105, 268-272.	1.5	54
15	Prognosis of Severe Asymptomatic Aortic Stenosis With and Without Surgery. Annals of Thoracic Surgery, 2019, 108, 74-79.	0.7	50
16	The Use of Topical Hemostatic Agents in Cardiothoracic Surgery. Annals of Thoracic Surgery, 2017, 104, 353-360.	0.7	49
17	Frailty Status and Outcomes After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2016, 117, 1966-1971.	0.7	46
18	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. European Heart Journal Cardiovascular Imaging, 2016, 17, 1239-1247.	0.5	42

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19	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
20	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
21	Association of Regional Wall Shear Stress and Progressive Ascending Aorta Dilation in Bicuspid Aortic Valve. JACC: Cardiovascular Imaging, 2022, 15, 33-42.	2.3	37
22	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
23	Diastolic Function and Transcatheter Aortic Valve Replacement. Journal of the American Society of Echocardiography, 2017, 30, 541-551.	1.2	35
24	The Maze Procedure and Postoperative Pacemakers. Annals of Thoracic Surgery, 2018, 106, 1561-1569.	0.7	35
25	When Is a Maze Procedure a Maze Procedure?. Canadian Journal of Cardiology, 2018, 34, 1482-1491.	0.8	35
26	Transcatheter aortic valve implantation decreases the rate of unoperated aortic stenosis. European Journal of Cardio-thoracic Surgery, 2011, 40, 43-48.	0.6	34
27	Detection and Hemodynamic Evaluation of Flap Fenestrations in Type B Aortic Dissection with 4D Flow MRI: Comparison with Conventional MRI and CT Angiography. Radiology: Cardiothoracic Imaging, 2019, 1, e180009.	0.9	34
28	Perioperative evaluation of regional aortic wall shear stress patterns in patients undergoing aortic valve and/or proximal thoracic aortic replacement. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2277-2286.e2.	0.4	33
29	The impact of delirium on healthcare utilization and survival after transcatheter aortic valve replacement. Catheterization and Cardiovascular Interventions, 2017, 89, 1286-1291.	0.7	31
30	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
31	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
32	Conduction recovery following pacemaker implantation after transcatheter aortic valve replacement. PACE - Pacing and Clinical Electrophysiology, 2018, 42, 146-152.	0.5	28
33	Ablation of atrial fibrillation during coronary artery bypass grafting: Late outcomes in a Medicare population. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1251-1261.e1.	0.4	28
34	The PARTNER 3 Bicuspid Registry forÂTranscatheter Aortic Valve Replacement in Low-Surgical-Risk Patients. JACC: Cardiovascular Interventions, 2022, 15, 523-532.	1,1	28
35	Effect of Baseline Left Ventricular Ejection Fraction on 2-Year Outcomes After Transcatheter Aortic Valve Replacement. Circulation: Heart Failure, 2019, 12, e005809.	1.6	27
36	Is mitral valve disease treated differently in men and women?. European Journal of Preventive Cardiology, 2019, 26, 1433-1443.	0.8	27

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37	Parametric Hemodynamic 4D Flow MRI Maps for the Characterization of Chronic Thoracic Descending Aortic Dissection. Journal of Magnetic Resonance Imaging, 2020, 51, 1357-1368.	1.9	27
38	Atrial fibrillation ablation in patients undergoing aortic valve replacement. Journal of Heart Valve Disease, 2012, 21, 350-7.	0.5	26
39	Burden of preoperative atrial fibrillation in patients undergoing coronary artery bypass grafting. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2358-2367.e1.	0.4	25
40	A Hybrid Maze Procedure for Long-Standing Persistent Atrial Fibrillation. Annals of Thoracic Surgery, 2019, 107, 610-618.	0.7	25
41	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
42	Relation of Intensity of Statin Therapy and Outcomes After Transcatheter Aortic Valve Replacement. American Journal of Cardiology, 2017, 119, 1832-1838.	0.7	24
43	The electrophysiologic basis for lesions of the contemporary Maze operation. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 584-590.	0.4	24
44	Statin Use and Aneurysm Risk in Patients With Bicuspid Aortic Valve Disease. Clinical Cardiology, 2016, 39, 41-47.	0.7	22
45	Four-dimensional Virtual Catheter: Noninvasive Assessment of Intra-aortic Hemodynamics in Bicuspid Aortic Valve Disease. Radiology, 2019, 293, 541-550.	3 . 6	21
46	Postoperative Atrial Fibrillation or Flutter Following Transcatheter or Surgical Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2021, 14, 1565-1574.	1.1	21
47	A contemporary analysis of pulmonary hypertension in patients undergoing mitral valve surgery: Is this a risk factor?. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 1288-1299.	0.4	20
48	Reduction of aberrant aortic haemodynamics following aortic root replacement with a mechanical valved conduitâ€. Interactive Cardiovascular and Thoracic Surgery, 2016, 23, 416-423.	0.5	18
49	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
50	Gender differences in outcomes after surgical ablation of atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 391-398.e2.	0.4	16
51	Prothrombin Complex Concentrate Reduces Blood Product Utilization in Heart Transplantation. Pharmacotherapy, 2017, 37, 1215-1220.	1.2	16
52	Incidence and Clinical Significance of Worsening Tricuspid Regurgitation Following Surgical or Transcatheter Aortic Valve Replacement: Analysis From the PARTNER IIA Trial. Circulation: Cardiovascular Interventions, 2021, 14, e010437.	1.4	16
53	Association of Volume and Outcomes in 234 556 Patients Undergoing Surgical Aortic Valve Replacement. Annals of Thoracic Surgery, 2022, 114, 1299-1306.	0.7	16
54	Preoperative left atrial strain abnormalities are associated with the development of postoperative atrial fibrillation following isolated coronary artery bypass surgery. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 917-924.	0.4	15

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55	Impact of age, sex, and global function on normal aortic hemodynamics. Magnetic Resonance in Medicine, 2020, 84, 2088-2102.	1.9	15
56	Does gender bias affect outcomes in mitral valve surgery for degenerative mitral regurgitation?. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 325-332.	0.5	14
57	Outcomes of Sutureless/Rapid Deployment Valves Compared to Traditional Bioprosthetic Aortic Valves. Annals of Thoracic Surgery, 2021, 111, 1884-1891.	0.7	14
58	Noninvasive Morphologic and Hemodynamic Evaluation of Type B Aortic Dissection: State of the Art and Future Perspectives. Radiology: Cardiothoracic Imaging, 2021, 3, e200456.	0.9	14
59	Cryosurgery for Atrial Fibrillation: Physiologic Basis for Creating Optimal Cryolesions. Annals of Thoracic Surgery, 2021, 112, 354-362.	0.7	13
60	Inhospital and Post-discharge Changes in Renal Function After Transcatheter Aortic Valve Replacement. American Journal of Cardiology, 2016, 117, 633-639.	0.7	12
61	Concomitant Atrial Fibrillation Surgery for People Undergoing Cardiac Surgery. JAMA Cardiology, 2017, 2, 334.	3.0	12
62	Updates on Indications for TEVAR in Type B Aortic Dissection. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2020, 15, 495-501.	0.4	12
63	The impact of intraoperative residual mild regurgitation after repair of degenerative mitral regurgitation. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1215-1224.e4.	0.4	12
64	Minimally Invasive Versus Full Sternotomy for Isolated Aortic Valve Replacement in Low-Risk Patients. Annals of Thoracic Surgery, 2022, 114, 2124-2130.	0.7	12
65	Safety of Atrial Fibrillation Ablation With Isolated Surgical Aortic Valve Replacement. Annals of Thoracic Surgery, 2021, 111, 809-817.	0.7	11
66	Surgery and Catheter Ablation for Atrial Fibrillation: History, Current Practice, and Future Directions. Journal of Clinical Medicine, 2022, 11, 210.	1.0	11
67	De novo atrial fibrillation after mitral valve surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1515-1525.e11.	0.4	10
68	Surgical repair of bicuspid aortopathy at small diameters: Clinical and institutional factors. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2216-2226.e2.	0.4	10
69	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
70	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
71	A Papillary FibroelastomaÂlnvolving AorticÂand Pulmonary Valves: Findings on Multimodality Imaging. Annals of Thoracic Surgery, 2017, 103, e73-e75.	0.7	8
72	Best Practices of Aortic Valve Replacement With the Edwards Intuity Elite Valve. Annals of Thoracic Surgery, 2020, 109, 1289-1293.	0.7	8

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73	Transcatheter Aortic Valve Implantation. Current Atherosclerosis Reports, 2016, 18, 27.	2.0	7
74	Aortoesophageal fistula resulting from aortic endograft migration. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 785-786.e1.	0.4	7
75	Left ventricular pseudoaneurysm as a complication of left ventricular summit premature ventricular contraction ablation. HeartRhythm Case Reports, 2017, 3, 268-271.	0.2	7
76	Facilitating Hemostasis After Proximal Aortic Surgery: Results of The PROTECT Trial. Annals of Thoracic Surgery, 2018, 105, 1357-1364.	0.7	7
77	Outcomes of 3â€day discharge after elective cardiac surgery. Journal of Cardiac Surgery, 2021, 36, 1441-1447.	0.3	7
78	Atrial Fibrillation Is Associated With Mortality in Intermediate Surgical Risk Patients With Severe Aortic Stenosis: Analyses From the PARTNER 2A and PARTNER S3i Trials. Journal of the American Heart Association, 2021, 10, e019584.	1.6	7
79	Atrial Fibrillation and Outcomes After Transcatheter or Surgical Aortic Valve Replacement (from the) Tj ETQq $1\ 1$	0.784314 0.7	rgBT /Overlo
80	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
81	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
82	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
83	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
84	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
85	Comparison of Monitored Anesthesia Care and General Anesthesia for Transcatheter Aortic Valve Replacement. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2019, 14, 436-444.	0.4	6
86	Unique technical challenges in patients undergoing TAVR for failed aortic homografts. Journal of Cardiac Surgery, 2021, 36, 89-96.	0.3	6
87	Utilization, Costs, and Outcomes of Conscious Sedation Versus General Anesthesia for Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2021, 14, e010310.	1.4	6
88	Single leaflet reconstruction of pulmonic valve with decellurized bovine pericardium. Interactive Cardiovascular and Thoracic Surgery, 2017, 24, 969-971.	0.5	5
89	Contemporary Reoperative Mitral Valve Surgery: Technical Considerations and Clinical Outcomes. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2020, 15, 425-439.	0.4	5
90	Transcatheter Aortic Valve Replacement Outcomes Based on the Presence of Chronic Total Occlusion. Cardiovascular Revascularization Medicine, 2020, 21, 1305-1310.	0.3	5

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91	Failed bioprosthetic valve approaches: Transcatheter aortic valve replacement approach. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 1795-1798.	0.4	5
92	Outcomes after Transcatheter and Surgical Aortic Valve Replacement in Intermediate Risk Patients with Preoperative Mitral Regurgitation: Analysis of PARTNER II Randomized Cohort. Structural Heart, 2018, 2, 336-343.	0.2	4
93	Cardiac surgery considerations and lessons learned during the COVIDâ€19 pandemic. Journal of Cardiac Surgery, 2020, 35, 1979-1987.	0.3	4
94	Applications of a Specialty Bicuspid Aortic Valve Program: Clinical Continuity and Translational Collaboration. Journal of Clinical Medicine, 2020, 9, 1354.	1.0	4
95	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). Journal of Thoracic and Cardiovascular Surgery. 2021. 161. 48-53.	0.4	4
96	Chiari network and patent foramen ovale associated with stroke. JTCVS Techniques, 2022, 11, 45-47.	0.2	4
97	An Endovascular Approach to the Entrapped Central Venous Catheter After Cardiac Surgery. CardioVascular and Interventional Radiology, 2016, 39, 453-457.	0.9	3
98	Seismocardiography and 4D flow MRI reveal impact of aortic valve replacement on chest acceleration and aortic hemodynamics. Journal of Cardiac Surgery, 2020, 35, 232-235.	0.3	3
99	Cardiac anatomy pertinent to the catheter and surgical treatment of atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2020, 31, 2118-2127.	0.8	3
100	Valveâ€sparing versus valveâ€replacing aortic root replacement in patients with aortic root aneurysm. Journal of Cardiac Surgery, 2022, 37, 1947-1956.	0.3	3
101	Creating a 90° curve in polyester grafts during thoracic aortic surgery using the pleat technique. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 414-416.	0.4	2
102	Alternative Implantation Technique for Rapid Deployment Valve. Annals of Thoracic Surgery, 2019, 107, e291-e292.	0.7	2
103	Use of left atrial appendage occlusion among older cardiac surgery patients with preoperative atrial fibrillation: a national cohort study. Journal of Interventional Cardiac Electrophysiology, 2020, 57, 399-407.	0.6	2
104	Dual-Energy Computed Tomography as an Alternative Noninvasive Study for Evaluation of Chronic Thromboembolic Pulmonary Hypertension Postoperatively. Circulation: Cardiovascular Imaging, 2020, 13, e010168.	1,3	2
105	Fate of moderate aortic regurgitation after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1784-1792.e1.	0.4	2
106	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
107	Aortoplasty for Management of the Dilated DistalÂAscending Aorta During Proximal AorticÂReconstruction. Annals of Thoracic Surgery, 2013, 96, 1499-1501.	0.7	1
108	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

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109	Optimal Imaging Guidance During Transcatheter Mitral Valve-in-Valve Replacement in Bioprostheses With Radiolucent Sewing Rings. JACC: Case Reports, 2020, 2, 1129-1134.	0.3	1
110	Relationship of left ventricular outflow tract velocity time integral to treatment strategy in submassive and massive pulmonary embolism. Pulmonary Circulation, 2020, 10, 1-7.	0.8	1
111	4D flow MRI after aortic replacement with frozen elephant trunk using thoraflex hybrid graft. Journal of Cardiac Surgery, 2021, 36, 1543-1545.	0.3	1
112	Four-Dimensional Magnetic Resonance After Ross Procedure for Unicuspid Aortic Valve. Circulation: Cardiovascular Imaging, 2021, 14, e011500.	1.3	1
113	Complete Regional Absence of Vasa Vasorum in an Ascending Aortic Aneurysm. Circulation: Cardiovascular Imaging, 2021, 14, e012312.	1.3	1
114	A history of collaboration between electrophysiologists and arrhythmia surgeons. Journal of Cardiovascular Electrophysiology, 2022, 33, 1966-1977.	0.8	1
115	Intraoperative Coronary Artery Dissection in Fibromuscular Dysplasia. Annals of Thoracic Surgery, 2015, 99, 1442-1444.	0.7	0
116	Scallops, fenestrations, CHIMPS, and other monkey business. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1229.	0.4	0
117	Commentary: How old is too old for aortic arch surgery?. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 982-983.	0.4	0
118	Joint surgical associations (EACTS, LACES, ASCVTS, AATS, and STS) position statement regarding the VARC-3 definitions for aortic valve clinical research. Asian Cardiovascular and Thoracic Annals, 2022, , 021849232210830.	0.2	0
119	Ring Sizing and Coaptation Length: Creating the Goldilocks Mitral Repair. European Journal of Cardio-thoracic Surgery, 2022, , .	0.6	0