Patrick M Mccarthy

List of Publications by Year
in descending order

115 papers	3,438 citations	201385 27 h-index	149479 56 g-index
115 all docs	115 docs citations	115 times ranked	3685 citing authors

#	Article	IF	Citations
1	Percutaneous Mitral Valve Repair for Mitral Regurgitation in High-Risk Patients. Journal of the American College of Cardiology, 2014, 64, 172-181.	1.2	390
2	The Society of Thoracic Surgeons 2017 Clinical Practice Guidelines for the Surgical Treatment of Atrial Fibrillation. Annals of Thoracic Surgery, 2017, 103, 329-341.	0.7	362
3	Valve-Related Hemodynamics Mediate Human Bicuspid Aortopathy. Journal of the American College of Cardiology, 2015, 66, 892-900.	1.2	360
4	Defining â€œSevereâ€•Secondary MitralÂRegurgitation. Journal of the American College of Cardiology, 2014, 64, 2792-2801.	1.2	178
5	Surgical Ablation of Atrial Fibrillation in the United States: Trends and Propensity Matched Outcomes. Annals of Thoracic Surgery, 2017, 104, 493-500.	0.7	140
6	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
7	TRANSFORM (Multicenter Experience With Rapid Deployment Edwards INTUITY Valve System for Aortic) Tj ETQq1 1 0.784314 rgBT /O Thoracic and Cardiovascular Surgery, 2017, 153, 241-251.e2.	0.4	120
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	Midterm survival in patients treated for atrial fibrillation: A propensity-matched comparison to patients without a history of atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 1341-1351.	0.4	91
10	Cardiovascular Outcomes Assessment of the MitraClip in Patients with Heart Failure and Secondary Mitral Regurgitation: Design and rationale of the COAPT trial. American Heart Journal, 2018, 205, 1-11.	1.2	84
11	Volume-Outcome Association of Mitral Valve Surgery in the United States. JAMA Cardiology, 2020, 5, 1092.	3.0	84
12	Novel Multiphase Assessment for Predicting Left Ventricular Outflow Tract Obstruction Before Transcatheter MitralÂValve Replacement. JACC: Cardiovascular Interventions, 2019, 12, 2402-2412.	1.1	49
13	A meta-analysis and meta-regression of long-term outcomes of transcatheter versus surgical aortic valve replacement for severe aortic stenosis. International Journal of Cardiology, 2016, 225, 234-243.	0.8	45
14	Should paroxysmal atrial fibrillation be treated during cardiac surgery?. Journal of Thoracic and Cardiovascular Surgery, 2013, 146, 810-823.	0.4	42
15	The addition of hemiarch replacement to aortic root surgery does not affect safety. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 118-124.e2.	0.4	42
16	Altered aortic shape in bicuspid aortic valve relatives influences blood flow patterns. European Heart Journal Cardiovascular Imaging, 2016, 17, 1239-1247.	0.5	42
17	Contemporary Surgical Management of Hypertrophic Cardiomyopathy in the United States. Annals of Thoracic Surgery, 2019, 107, 460-466.	0.7	41
18	Associations Between Surgical Ablation and Operative Mortality After Mitral ValveÂProcedures. Annals of Thoracic Surgery, 2018, 105, 1790-1796.	0.7	39

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19	Prevalence of atrial fibrillation before cardiac surgery and factors associated with concomitant ablation. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2245-2253.e15.	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	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
22	The Maze Procedure and Postoperative Pacemakers. Annals of Thoracic Surgery, 2018, 106, 1561-1569.	0.7	35
23	When Is a Maze Procedure a Maze Procedure?. Canadian Journal of Cardiology, 2018, 34, 1482-1491.	0.8	35
24	Detection of Atrial Fibrillation After Surgical Ablation: Conventional Versus Continuous Monitoring. Annals of Thoracic Surgery, 2016, 101, 42-48.	0.7	34
25	2021: The American Association for Thoracic Surgery Expert Consensus Document: Coronary artery bypass grafting in patients with ischemic cardiomyopathy and heart failure. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 829-850.e1.	0.4	34
26	When is your surgeon good enough? When do you need a â€œreferent surgeonâ€?. Current Cardiology Reports, 2009, 11, 107-113.	1.3	33
27	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
28	The Impact of Mitral Disease Etiology onÂOperative Mortality After Mitral ValveÂOperations. Annals of Thoracic Surgery, 2018, 106, 1406-1413.	0.7	33
29	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
30	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
31	Effect of aortic aneurysm replacement on outcomes after bicuspid aortic valve surgery: Validation of contemporary guidelines. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2060-2069.	0.4	27
32	Is mitral valve disease treated differently in men and women?. European Journal of Preventive Cardiology, 2019, 26, 1433-1443.	0.8	27
33	Evolving Indications for Tricuspid Valve Surgery. Current Treatment Options in Cardiovascular Medicine, 2010, 12, 587-597.	0.4	26
34	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
35	A Hybrid Maze Procedure for Long-Standing Persistent Atrial Fibrillation. Annals of Thoracic Surgery, 2019, 107, 610-618.	0.7	25
36	The electrophysiologic basis for lesions of the contemporary Maze operation. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 584-590.	0.4	24

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37	A multiparameter algorithm to guide repair of degenerative mitral regurgitation. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 867-876.e5.	0.4	24
38	Statin Use and Aneurysm Risk in Patients With Bicuspid Aortic Valve Disease. Clinical Cardiology, 2016, 39, 41-47.	0.7	22
39	Ambulatory Extra-Aortic Counterpulsation in Patients With Moderate to Severe Chronic Heart Failure. JACC: Heart Failure, 2014, 2, 526-533.	1.9	21
40	First nationwide survey of US integrated 6-year cardiothoracic surgical residency program directors. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 408-415.e1.	0.4	20
41	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
42	Asymptomatic degenerative mitral regurgitation repair: Validating guidelines for early intervention. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 981-994.e5.	0.4	19
43	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
44	Effects of Septal Myectomy on Left Ventricular Diastolic Function and Left Atrial Volume in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2014, 114, 1568-1572.	0.7	17
45	Gender differences in outcomes after surgical ablation of atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 391-398.e2.	0.4	16
46	Prothrombin Complex Concentrate Reduces Blood Product Utilization in Heart Transplantation. Pharmacotherapy, 2017, 37, 1215-1220.	1.2	16
47	Predictors of Left Ventricular Dysfunction After Surgery for Degenerative Mitral Regurgitation. Annals of Thoracic Surgery, 2020, 109, 669-677.	0.7	16
48	Adjunctive Procedures in Degenerative Mitral Valve Repair: Tricuspid Valve and Atrial Fibrillation Surgery. Seminars in Thoracic and Cardiovascular Surgery, 2007, 19, 121-126.	0.4	15
49	Occlusion of canine atrial appendage using an expandable silicone band. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 885-889.	0.4	15
50	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
51	The relationship of atrial fibrillation and tricuspid annular dilation to late tricuspid regurgitation in patients with degenerative mitral repair. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 2030-2040.e3.	0.4	14
52	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
53	Outcomes of Sutureless/Rapid Deployment Valves Compared to Traditional Bioprosthetic Aortic Valves. Annals of Thoracic Surgery, 2021, 111, 1884-1891.	0.7	14
54	Cryosurgery for Atrial Fibrillation: Physiologic Basis for Creating Optimal Cryolesions. Annals of Thoracic Surgery, 2021, 112, 354-362.	0.7	13

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55	Medical Ethics Collides With Public Policy: LVAD for a Patient With Leukemia. Annals of Thoracic Surgery, 2005, 80, 793-798.	0.7	12
56	Strokes associated with left ventricular assist devices. Journal of Cardiac Surgery, 2018, 33, 578-583.	0.3	12
57	Detecting Aortic Valve-Induced Abnormal Flow with Seismocardiography and Cardiac MRI. Annals of Biomedical Engineering, 2020, 48, 1779-1792.	1.3	12
58	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
59	A simple approach to mitral valve repair: Posterior leaflet height adjustment using a partial fold of the free edge. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2780-2786.	0.4	11
60	Transcatheter Mitral Valve Replacement with Intrepid. Interventional Cardiology Clinics, 2019, 8, 287-294.	0.2	11
61	Safety of Atrial Fibrillation Ablation With Isolated Surgical Aortic Valve Replacement. Annals of Thoracic Surgery, 2021, 111, 809-817.	0.7	11
62	Surgery and Catheter Ablation for Atrial Fibrillation: History, Current Practice, and Future Directions. Journal of Clinical Medicine, 2022, 11, 210.	1.0	11
63	De novo atrial fibrillation after mitral valve surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1515-1525.e11.	0.4	10
64	Appropriate patient selection or health care rationing? Lessons from surgical aortic valve replacement in the Placement of Aortic Transcatheter Valves I trial. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 557-568.e11.	0.4	9
65	Three-year outcomes of the postapproval study of the AtriCure Bipolar Radiofrequency Ablation of Permanent Atrial Fibrillation Trial. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 519-527.e4.	0.4	8
66	Three-dimensional Echocardiography Is Not Essential for Intraoperative Assessment of Mitral Regurgitation. Circulation, 2013, 128, 653-658.	1.6	7
67	The Need for Echocardiography Alerts for Aortic Stenosis: The Time Has Come. Journal of the American Society of Echocardiography, 2020, 33, 355-357.	1.2	7
68	Atrial fibrillation in patients with coronary disease. Journal of Interventional Cardiac Electrophysiology, 2007, 20, 113-117.	0.6	6
69	Surgical Therapies for Post-Myocardial Infarction Patients. American Journal of Cardiology, 2008, 102, 42G-46G.	0.7	6
70	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
71	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
72	Unique technical challenges in patients undergoing TAVR for failed aortic homografts. Journal of Cardiac Surgery, 2021, 36, 89-96.	0.3	6

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73	Contemporary left atrial appendage management during adult cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2023, 165, 1398-1404.	0.4	6
74	Concomitant treatment of atrial fibrillation during mitral valve surgery. Journal of Cardiovascular Electrophysiology, 2021, 32, 2873-2878.	0.8	5
75	Atrial fibrillation and atrial cardiomyopathies. Journal of Cardiovascular Electrophysiology, 2021, 32, 2845-2853.	0.8	5
76	A chain is only as strong as its weakest link. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, e19-e20.	0.4	4
77	An omnibus approach to assess covariate balance in observational studies using the distance covariance. Statistical Methods in Medical Research, 2020, 29, 1846-1866.	0.7	4
78	Too big will fail? The enlarged tricuspid annulus. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2427-2428.	0.4	3
79	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
80	Cardiac anatomy pertinent to the catheter and surgical treatment of atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2020, 31, 2118-2127.	0.8	3
81	Commentary: Are the atrial fibrillation ablation guidelines wrong?. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1858-1859.	0.4	3
82	Cardiac surgeons' concerns, perceptions, and responses during the COVIDâ€19 pandemic. Journal of Cardiac Surgery, 2021, 36, 3040-3051.	0.3	3
83	The Right Ventricle in the Trans-Catheter Era: A Perspective for Planning Interventions. Seminars in Thoracic and Cardiovascular Surgery, 2022, 34, 892-901.	0.4	3
84	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
85	Does Active Chest Tube Clearance After Cardiac Surgery Provide Any Clear Benefits?. Annals of Thoracic Surgery, 2022, 114, 1334-1340.	0.7	3
86	Reality check in the minimally invasive world. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 450-451.	0.4	2
87	Outcomes After Coronary Artery Bypass. Journal of the American College of Cardiology, 2019, 73, 1887-1889.	1.2	2
88	Alternative Implantation Technique for Rapid Deployment Valve. Annals of Thoracic Surgery, 2019, 107, e291-e292.	0.7	2
89	Commentary: If you cram you get SAM. Journal of Thoracic and Cardiovascular Surgery, 2020, 162, 578-579.	0.4	2
90	Fate of moderate aortic regurgitation after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1784-1792.e1.	0.4	2

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91	Propensity Score-Matched Comparison of Right Ventricular Strain in Women and Men Before and After Left Ventricular Assist Device Implantation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2022, 17, 102-110.	0.4	2
92	Valve-in-Ring and the Forgotten Valve. JACC: Cardiovascular Interventions, 2017, 10, 64-65.	1.1	1
93	It takes two to tango: Right ventricular failure after left ventricular surgery. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 843-844.	0.4	1
94	We don't know what we need to know about atrial fibrillation. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1522-1523.	0.4	1
95	The inadvertent compounding of misconceptions regarding the surgical treatment of atrial fibrillation in mitral valve patients. Journal of Thoracic Disease, 2019, 11, S1919-S1922.	0.6	1
96	Commentary: Rheumatic mitral repair: Just don't do it?. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 604-605.	0.4	1
97	Commentary: More ado about nothing: Resect â€œversusâ€•respect and left ventricular function after repair. Journal of Thoracic and Cardiovascular Surgery, 2023, 166, 84-85.	0.4	1
98	Commentary: Late calcific fractures of expanded polytetrafluoroethylene neochordae: Blending techniques and a greater number of neochordae for durable mitral repair. JTCVS Techniques, 2020, 1, 39-40.	0.2	1
99	Commentary: How Full is This Glass? Transapical Neochordae in Perspective. Journal of Thoracic and Cardiovascular Surgery, 2022, , .	0.4	1
100	A history of collaboration between electrophysiologists and arrhythmia surgeons. Journal of Cardiovascular Electrophysiology, 2022, 33, 1966-1977.	0.8	1
101	Percutaneous edge-to-edge repair for degenerative mitral regurgitation: A journey to the edge of the bell-shaped curve. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2750-2751.	0.4	0
102	Tugging on heart strings. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1312-1313.	0.4	0
103	A new approach: Ischemic mitral regurgitation guidelines by and for surgeons. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 957-958.	0.4	0
104	Invited Commentary. Annals of Thoracic Surgery, 2017, 104, 826.	0.7	0
105	An impossible task done well. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 1355-1356.	0.4	0
106	Where there is smoke, is there fire?. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 72.	0.4	0
107	Commentary: Judgment day: Should you add atrial fibrillation ablation?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1515-1516.	0.4	0
108	Commentary: Residual mitral regurgitation: The fork in the road. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1193-1194.	0.4	0

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109	Commentary: Sharing a wealth of information: HOCM surgery. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 91-92.	0.4	0
110	Commentary: Tricuspid: The frustrating and unloved valve. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1474-1475.	0.4	0
111	Commentary: Much ado about nothing: Resect or respect?. Journal of Thoracic and Cardiovascular Surgery, 2021, , .	0.4	0
112	Commentary: In harm's way: The circumflex artery and mitral surgery. JTCVS Techniques, 2020, 4, 132.	0.2	0
113	Help Wanted: New Options for Tricuspid Valve Repair. Annals of Thoracic Surgery, 2022, , .	0.7	0
114	Commentary: Transcatheter Edge to Edge Repair Strategy: Time to Evolve, Not to Fail. Journal of Thoracic and Cardiovascular Surgery, 2022, , .	0.4	0
115	Ring Sizing and Coaptation Length: Creating the Goldilocks Mitral Repair. European Journal of Cardio-thoracic Surgery, 2022, , .	0.6	0