

Stephen Mckellar

List of Publications by Year in descending order

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89
papers

2,843
citations

186265
28
h-index

182427
51
g-index

92
all docs

92
docs citations

92
times ranked

3788
citing authors

#	ARTICLE	IF	CITATIONS
1	Ministernotomy versus conventional sternotomy for aortic valve replacement: A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 670-679.e5.	0.8	318
2	Novel NOTCH1 mutations in patients with bicuspid aortic valve disease and thoracic aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 290-296.	0.8	247
3	Cardiac Recovery During Long-Term Left Ventricular Assist Device Support. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1540-1553.	2.8	146
4	Shock Team Approach in Refractory Cardiogenic Shock Requiring Short-Term Mechanical Circulatory Support. <i>Circulation</i> , 2019, 140, 98-100.	1.6	139
5	The pyruvate-lactate axis modulates cardiac hypertrophy and heart failure. <i>Cell Metabolism</i> , 2021, 33, 629-648.e10.	16.2	137
6	Long-Term Risk of Aortic Events Following Aortic Valve Replacement in Patients With Bicuspid Aortic Valves. <i>American Journal of Cardiology</i> , 2010, 106, 1626-1633.	1.6	118
7	Evidence of Glycolysis Up-Regulation and Pyruvate Mitochondrial Oxidation Mismatch During Mechanical Unloading of the Failing Human Heart. <i>JACC Basic To Translational Science</i> , 2016, 1, 432-444.	4.1	105
8	Comparison of coronary revascularization procedures in octogenarians: a systematic review and meta-analysis. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, 738-746.	3.3	88
9	Post-transplant outcome in patients bridged to transplant with temporary mechanical circulatory support devices. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 858-869.	0.6	85
10	Effectiveness of dabigatran etexilate for thromboprophylaxis of mechanical heart valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 141, 1410-1416.	0.8	84
11	Practice characteristics of Emergency Department extracorporeal cardiopulmonary resuscitation (eCPR) programs in the United States: The current state of the art of Emergency Department extracorporeal membrane oxygenation (ED ECMO). <i>Resuscitation</i> , 2016, 107, 38-46.	3.0	77
12	Frequency of Cardiovascular Events in Women With a Congenitally Bicuspid Aortic Valve in a Single Community and Effect of Pregnancy on Events. <i>American Journal of Cardiology</i> , 2011, 107, 96-99.	1.6	72
13	Surgical treatment of tricuspid valve insufficiency promotes early reverse remodeling in patients with axial-flow left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 1370-1376.e1.	0.8	68
14	Bridge to Removal: A Paradigm Shift for Left Ventricular Assist Device Therapy. <i>Annals of Thoracic Surgery</i> , 2015, 99, 360-367.	1.3	66
15	Evaluation of autologous platelet rich plasma for cardiac surgery: outcome analysis of 2000 patients. <i>Journal of Cardiothoracic Surgery</i> , 2016, 11, 62.	1.1	65
16	Durability of central aortic valve closure in patients with continuous flow left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 344-348.	0.8	63
17	Intermediate-term results of ascending to descending posterior pericardial bypass of complex aortic coarctation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 1504-1509.	0.8	62
18	Choice of Hemostatic Agent Influences Adhesion Formation in a Rat Cecal Adhesion Model. <i>Journal of Surgical Research</i> , 2009, 155, 77-81.	1.6	57

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19	Impact of Ischemic Heart Failure Etiology on Cardiac Recovery During Mechanical Unloading. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1741-1752.	2.8	56
20	Treatment of infected left ventricular assist device using antibiotic-impregnated beads. <i>Annals of Thoracic Surgery</i> , 1999, 67, 554-555.	1.3	45
21	Novel Model to Predict Gastrointestinal Bleeding During Left Ventricular Assist Device Support. <i>Circulation: Heart Failure</i> , 2018, 11, e005267.	3.9	43
22	Management of Pulmonary Arterial Hypertension. <i>Current Cardiovascular Risk Reports</i> , 2021, 15, 2.	2.0	36
23	Development and Implementation of a Comprehensive, Multidisciplinary Emergency Department Extracorporeal Membrane Oxygenation Program. <i>Annals of Emergency Medicine</i> , 2017, 70, 32-40.	0.6	35
24	Effectiveness of rivaroxaban for thromboprophylaxis of prosthetic heart valves in a porcine heterotopic valve model. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, 914-919.	1.4	34
25	Evolution of general surgical problems in patients with left ventricular assist devices. <i>Surgery</i> , 2012, 152, 896-902.	1.9	32
26	Clinical and histopathological effects of heart failure drug therapy in advanced heart failure patients on chronic mechanical circulatory support. <i>European Journal of Heart Failure</i> , 2018, 20, 164-174.	7.1	32
27	Predictors of 30-day post-transplant mortality in patients bridged to transplantation with continuous-flow left ventricular assist devices—An analysis of the International Society for Heart and Lung Transplantation Transplant Registry. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 34-39.	0.6	31
28	Outcomes in Patients With Hypertrophic Cardiomyopathy Awaiting Heart Transplantation. <i>Circulation: Heart Failure</i> , 2018, 11, e004378.	3.9	30
29	Right Heart Failure Following Left Ventricular Device Implantation: Natural History, Risk Factors, and Outcomes: An Analysis of the STS INTERMACS Database. <i>Circulation: Heart Failure</i> , 2022, 15, .	3.9	30
30	Elevated expressions of osteopontin and tenascin C in ascending aortic aneurysms are associated with trileaflet aortic valves as compared with bicuspid aortic valves. <i>Cardiovascular Pathology</i> , 2007, 16, 144-150.	1.6	29
31	Mixed cellular and antibody-mediated rejection in heart transplantation: In-depth pathologic and clinical observations. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 335-341.	0.6	29
32	Echocardiographic Guidance and Troubleshooting for Venovenous Extracorporeal Membrane Oxygenation Using the Dual-Lumen Bicaval Cannula. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 370-378.	1.3	26
33	Concomitant Tricuspid Valve Repair or Replacement During Left Ventricular Assist Device Implant Demonstrates Comparable Outcomes in the Long Term. <i>Journal of Cardiac Surgery</i> , 2012, 27, 760-766.	0.7	25
34	Lung transplantation following coronary artery bypass surgery—improved outcomes following single-lung transplant. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1289-1294.	0.6	23
35	Echocardiography-Guided Dual-Lumen Venovenous Extracorporeal Membrane Oxygenation Cannula Placement in the ICU—A Retrospective Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 698-705.	1.3	19
36	Evolutionary Improvements in the Jarvik 2000 Left Ventricular Assist Device. <i>ASAIO Journal</i> , 2018, 64, 827-830.	1.6	18

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37	Short- and long-term efficacy of aspirin and clopidogrel for thromboprophylaxis for mechanical heart valves: An in vivo study in swine. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 908-914.	0.8	17
38	Ventricular Assist Devices or Inotropic Agents in Status 1A Patients? Survival Analysis of the United Network of Organ Sharing Database. <i>Annals of Thoracic Surgery</i> , 2014, 97, 1364-1372.	1.3	17
39	A Model of Heterotopic Aortic Valve Replacement for Studying Thromboembolism Prophylaxis in Mechanical Valve Prostheses. <i>Journal of Surgical Research</i> , 2007, 141, 1-6.	1.6	14
40	Successful Lung Transplant From Donor After Cardiac Death: A Potential Solution to Shortage of Thoracic Organs. <i>Mayo Clinic Proceedings</i> , 2010, 85, 150-152.	3.0	14
41	Physiologic effects of continuous-flow left ventricular assist devices. <i>Journal of Surgical Research</i> , 2016, 202, 363-371.	1.6	13
42	Value-driven cardiac surgery: Achieving “perfect care” after coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1436-1448.e2.	0.8	13
43	Surgical explantation of atrial septal closure devices for refractory nickel allergy symptoms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 502-509.e1.	0.8	12
44	Animal model of reversible, right ventricular failure. <i>Journal of Surgical Research</i> , 2015, 194, 327-333.	1.6	11
45	Patient-Controlled Conditioning for Left Ventricular Assist Device–Induced Myocardial Recovery. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1794-1796.	1.3	11
46	Myocardial Structural and Functional Response After Long-Term Mechanical Unloading With Continuous Flow Left Ventricular Assist Device. <i>JACC: Heart Failure</i> , 2016, 4, 570-576.	4.1	11
47	Right Ventricular Fiber Structure as a Compensatory Mechanism in Pressure Overload: A Computational Study. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	1.3	11
48	Aortic disease in the time of COVID-19 and repercussions on patient care at an academic aortic center. <i>Journal of Vascular Surgery</i> , 2020, 72, 408-413.	1.1	11
49	Baseline Red Blood Cell Osmotic Fragility Does Not Predict the Degree of Post-LVAD Hemolysis. <i>ASAIO Journal</i> , 2014, 60, 524-528.	1.6	10
50	Effect of Continuous-Flow Left Ventricular Assist Device Support on Coronary Artery Endothelial Function in Ischemic and Nonischemic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2019, 12, e006085.	3.9	10
51	Impact of Shared Care in Remote Areas for Patients With Left Ventricular Assist Devices. <i>JACC: Heart Failure</i> , 2020, 8, 302-312.	4.1	10
52	Safety of long-distance transfers of patients on acute mechanical circulatory support. <i>Journal of Surgical Research</i> , 2018, 224, 18-22.	1.6	9
53	Resection of a Large Innominate Vein Aneurysm in a Patient with Neurofibromatosis Type 1. <i>Annals of Vascular Surgery</i> , 2016, 30, 157.e1-157.e5.	0.9	7
54	Laparoscopic Conversion From Nissen to Partial Fundoplication for Refractory Dysphagia. <i>Annals of Thoracic Surgery</i> , 2011, 91, 932-934.	1.3	5

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55	Management of Pulmonary Vein Rupture After Percutaneous Intervention: Utility of a Hybrid Approach. <i>Annals of Thoracic Surgery</i> , 2013, 95, 2166-2168.	1.3	5
56	Elevated resting heart rate in heart transplant recipients: innocent bystander or adverse prognostic indicator?. <i>Clinical Transplantation</i> , 2015, 29, 829-834.	1.6	5
57	Predicting mortality in cardiogenic shock secondary to <scp>ACS</scp> requiring <scp>short-term</scp> mechanical circulatory support: The <scp>ACSâ€MCS</scp> score. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, 1275-1284.	1.7	5
58	HEROES Vâ€Vâ€”HEmorRhagic cOmplications in Venoâ€Venous Extracorporeal life Supportâ€”Development and internal validation of multivariable prediction model in adult patients. <i>Artificial Organs</i> , 2022, 46, 932-952.	1.9	5
59	An Age-Old Question. <i>Circulation</i> , 2016, 134, 1325-1327.	1.6	4
60	Rapid-deployment aortic valves: Do the data support a tipping point?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1532-1533.	0.8	4
61	Right ventricular involution: What can we learn from nature's model of compensated hypertrophy?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2024-2028.e1.	0.8	4
62	Exploratory analysis of myocardial function after extracorporeal cardiopulmonary resuscitation vs conventional cardiopulmonary resuscitation. <i>BMC Research Notes</i> , 2020, 13, 137.	1.4	4
63	Longitudinal assessment of the platelet transcriptome in advanced heart failure patients following mechanical unloading. <i>Platelets</i> , 2020, 31, 952-959.	2.3	4
64	Exertional Angina Due To Fused Aortic Bioprosthesis During Left Ventricular Assist Device Support: Two Cases and Review of the Literature. <i>ASAIO Journal</i> , 2017, 63, e6-e9.	1.6	3
65	Interleukin-1 Receptor Antagonism as Adjunct Therapy for Heart Failure Patients with Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2021, Publish Ahead of Print, e145-e147.	1.6	3
66	Constrictive pericarditis in the setting of repeated chest trauma in a mixed martial arts fighter. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 561.	1.7	3
67	HEROES Vâ€A: HEmorRhagic cOmplications in venoâ€Arterial Extracorporeal life Support: Development and internal validation of a multivariable prediction model in adult patients. <i>Artificial Organs</i> , 2022, 46, 2266-2283.	1.9	3
68	Valve replacement options in the setting of an ascending aortic aneurysm. <i>Future Cardiology</i> , 2009, 5, 375-383.	1.2	2
69	Traumatic Diaphragmatic Rupture with Intrathoracic Liver Herniation. <i>New England Journal of Medicine</i> , 2009, 360, e7.	27.0	2
70	Historical perspectives of The American Association for Thoracic Surgery: Dwight C. McGoan (1925-1999). <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 759-761.	0.8	2
71	Laparoscopic Transdiaphragmatic Access to the Apex of the Left Ventricle of the Heart. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009, 4, 27-31.	0.9	1
72	De novo allosensitization only seen with biventricular assist device support. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1166-1167.	0.8	1

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73	Minimally Invasive Temporary Right Ventricular Assist Device for Acute Right Ventricular Failure. <i>Journal of Cardiac Surgery</i> , 2016, 31, 69-71.	0.7	1
74	Health characteristics of heart transplant recipients surviving into their 80s. <i>Journal of Surgical Research</i> , 2017, 216, 99-102.	1.6	1
75	Atrial Fibrillation in Advanced Heart Failure Patients Receiving Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2018, 64, 573-574.	1.6	1
76	Right Ventricular Involution: Big Changes in Small Hearts. <i>Journal of Surgical Research</i> , 2019, 243, 255-264.	1.6	1
77	Commentary: Can we move beyond aortic size, using real-time analysis of aortic tissue, to more precisely guide therapy for patients with bicuspid aortic valves?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, e259.	0.8	1
78	Rapid deployment aortic valve replacement after aortic root replacement: A safe alternative to redo root replacement. <i>Journal of Cardiac Surgery</i> , 2020, 35, 222-225.	0.7	1
79	Minimally Invasive versus Full Sternotomy SAVR in the Era of TAVR: An Institutional Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 547.	2.4	1
80	Molecular changes occurring with aneurysm formation: Possible impact of sampling error. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 131, 254-255.	0.8	0
81	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2156-2157.	2.8	0
82	Endovascular rescue for complications during endovascular repair of type B dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, e45-e46.	0.8	0
83	Response to Letter to the Editor Concerning the Article "Safety of Long-Distance Transfers of Patients on Acute Mechanical Circulatory Support". <i>Journal of Surgical Research</i> , 2019, 237, 130.	1.6	0
84	Commentary: When will we learn from using donor hearts with decreased ventricular function?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1876-1877.	0.8	0
85	Longer Life or More Life: Choose One Please. <i>Journal of Surgical Research</i> , 2019, 237, 126-128.	1.6	0
86	Commentary: Perceval sutureless valve "one more seat at the round table of short-term follow-up. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 934.	0.8	0
87	Commentary: Are we living in the gilded age of treating mitral valve disease?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.8	0
88	Laparoscopic Transdiaphragmatic Access to the Apex of the Left Ventricle of the Heart. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009, 4, 27-31.	0.9	0
89	Commentary: To screen or not to screen? That is the question". <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e350-e351.	0.8	0