Charles D Fraser Iii

List of Publications by Year in descending order

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	201575	243529
2,587	27	44
citations	h-index	g-index
127	127	3437
docs citations	times ranked	citing authors
	2,587 citations 127 docs citations	201575 2,587 27 h-index 127 127 127 docs citations 127 times ranked

#	Article	IF	CITATIONS
1	The Society of Thoracic Surgeons Congenital HeartÂSurgery Database Mortality Risk Model: PartÂ2—Clinical Application. Annals of Thoracic Surgery, 2015, 100, 1063-1070.	0.7	128
2	Incidence and treatment of chylothorax after cardiac surgery inÂchildren: Analysis of a large multi-institution database. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 678-686.e1.	0.4	125
3	Risk factors for development of endocarditis and reintervention in patients undergoing right ventricle to pulmonary artery valved conduit placement. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 432-441.e2.	0.4	96
4	Outcomes of surgical intervention for anomalous aortic origin of a coronary artery: A large contemporary prospective cohort study. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 305-319.e4.	0.4	92
5	Interleukin 10 knockout frail mice develop cardiac and vascular dysfunction with increased age. Experimental Gerontology, 2013, 48, 128-135.	1.2	87
6	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2016 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2016, 101, 850-862.	0.7	87
7	Anomalous Aortic Origin of a Coronary Artery: Toward a Standardized Approach. Seminars in Thoracic and Cardiovascular Surgery, 2014, 26, 110-122.	0.4	77
8	Principles of Antegrade Cerebral Perfusion During Arch Reconstruction in Newborns/Infants. Pediatric Cardiac Surgery Annual, 2008, 11, 61-68.	0.5	75
9	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2017 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2017, 103, 699-709.	0.7	73
10	The frequency response of cerebral autoregulation. Journal of Applied Physiology, 2013, 115, 52-56.	1.2	72
11	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2018 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2018, 105, 680-689.	0.7	65
12	Aortic Arch Advancement for Aortic Coarctation and Hypoplastic Aortic Arch in Neonates and Infants. Annals of Thoracic Surgery, 2014, 98, 625-633.	0.7	62
13	Surgical pulmonary valve replacement: A benchmark for outcomes comparisons. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1450-1453.	0.4	54
14	Evolution and Impact of Ventricular Assist Device Program on Children Awaiting Heart Transplantation. Annals of Thoracic Surgery, 2015, 99, 635-640.	0.7	48
15	Genetic architecture of laterality defects revealed by whole exome sequencing. European Journal of Human Genetics, 2019, 27, 563-573.	1.4	44
16	Preliminary Experience With the MicroMed DeBakey Pediatric Ventricular Assist Device. Pediatric Cardiac Surgery Annual, 2006, 9, 109-114.	0.5	42
17	Anomalous Coronary Arteries and Myocardial Bridges: Risk Stratification in Children Using Novel Cardiac Catheterization Techniques. Pediatric Cardiology, 2017, 38, 624-630.	0.6	41
18	High incidence of late infective endocarditis in bovine jugular vein valved conduits. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 728-734.e2.	0.4	41

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19	Contemporary Results of Aortic Coarctation Repair Through Left Thoracotomy. Annals of Thoracic Surgery, 2015, 100, 1039-1046.	0.7	40
20	Whole exome sequencing in 342 congenital cardiac left sided lesion cases reveals extensive genetic heterogeneity and complex inheritance patterns. Genome Medicine, 2017, 9, 95.	3.6	37
21	Positive end-expiratory pressure oscillation facilitates brain vascular reactivity monitoring. Journal of Applied Physiology, 2012, 113, 1362-1368.	1.2	36
22	A modified implantation technique of the HeartWare ventricular assist device for pediatric patients. Journal of Heart and Lung Transplantation, 2015, 34, 134-136.	0.3	35
23	Less Is More: Results of a Statewide Analysis of the Impact of Blood Transfusion on Coronary Artery Bypass Grafting Outcomes. Annals of Thoracic Surgery, 2018, 105, 129-136.	0.7	33
24	A genome-wide association study of congenital cardiovascular left-sided lesions shows association with a locus on chromosome 20. Human Molecular Genetics, 2016, 25, 2331-2341.	1.4	31
25	Survival and Functional Status After Bridge-to-Transplant with a Left Ventricular Assist Device. ASAIO Journal, 2019, 65, 661-667.	0.9	31
26	Impact of the New Pulmonary Hypertension Definition on Heart Transplant Outcomes. Chest, 2020, 157, 151-161.	0.4	31
27	Continuous cerebral hemodynamic measurement during deep hypothermic circulatory arrest. Biomedical Optics Express, 2016, 7, 3461.	1.5	30
28	Fullâ€Thickness Heart Repair with an Engineered Multilayered Myocardial Patch in Rat Model. Advanced Healthcare Materials, 2017, 6, 1600549.	3.9	29
29	The miniaturized pediatric continuous-flow device: Preclinical assessment in the chronic sheep model. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 291-300.	0.4	29
30	Association of preoperative spinal drain placement with spinal cord ischemia among patients undergoing thoracic and thoracoabdominal endovascular aortic repair. Journal of Vascular Surgery, 2019, 70, 393-403.	0.6	28
31	Current Status of Pediatric Ventricular Assist Device Support. Pediatric Cardiac Surgery Annual, 2017, 20, 2-8.	0.5	27
32	A Contemporary Analysis of Heart Transplantation and Bridge-to-Transplant Mechanical Circulatory Support Outcomes in Cardiac Sarcoidosis. Journal of Cardiac Failure, 2018, 24, 384-391.	0.7	27
33	Racial Disparities in Patients Bridged to Heart Transplantation With Left Ventricular Assist Devices. Annals of Thoracic Surgery, 2019, 108, 1122-1126.	0.7	27
34	Decision analysis to define the optimal management of athletes with anomalous aortic origin of a coronary artery. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1366-1375.e7.	0.4	25
35	Centrifugal-flow ventricular assist device support in children: A single-center experience. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1609-1617.e2.	0.4	25
36	Valve-sparing aortic root replacement in children: Outcomes from 100 consecutive cases. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1100-1109.	0.4	23

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37	Contemporary Results of Surgical Repair ofÂRecurrent Aortic Arch Obstruction. Annals of Thoracic Surgery, 2014, 98, 133-141.	0.7	22
38	Mid-Term Outcomes in Patients with Congenitally Corrected Transposition of the Great Arteries: A Single Center Experience. Journal of the American College of Surgeons, 2017, 224, 707-715.	0.2	22
39	The Berlin Heart EXCOR Pediatric ventricular assist device: history, North American experience, and future directions. Annals of the New York Academy of Sciences, 2013, 1291, 96-105.	1.8	21
40	Predictors of operative mortality among cardiac surgery patients with prolonged ventilation. Journal of Cardiac Surgery, 2019, 34, 759-766.	0.3	21
41	Pulmonary artery resuscitation for isolated ductal origin ofÂaÂpulmonary artery. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2235-2244.e1.	0.4	20
42	Outpatient management of a child with bidirectional Glenn shunts supported with implantable continuous-flow ventricular assist device. Journal of Heart and Lung Transplantation, 2016, 35, 688-690.	0.3	20
43	Pseudoaneurysm formation after valve sparing root replacement in children with Loeys-Dietz syndrome. Journal of Cardiac Surgery, 2018, 33, 339-343.	0.3	20
44	Management of Systemic Outlet Obstruction in Patients Undergoing Single Ventricle Palliation. Pediatric Cardiac Surgery Annual, 2009, 12, 70-75.	0.5	19
45	Duration of Left Ventricular Assist Device Support Does Not Impact Survival After US Heart Transplantation. Annals of Thoracic Surgery, 2016, 102, 1206-1212.	0.7	17
46	Becoming a congenital heart surgeon in the current era: Realistic expectations. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 1496-1497.	0.4	17
47	Current practices are variable in the evaluation and management of patients with anomalous aortic origin of a coronary artery: Results of a survey. Congenital Heart Disease, 2017, 12, 610-614.	0.0	17
48	Routine preoperative laboratory testing in elective pediatric cardiothoracic surgery is largely unnecessary. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 678-685.	0.4	17
49	Surgical Closure of Patent Ductus Arteriosus in Premature Neonates Weighing Less Than 1,000 grams: Contemporary Outcomes. World Journal for Pediatric & Congenital Heart Surgery, 2018, 9, 419-423.	0.3	17
50	Pediatric Femoral Arterial Cannulations in Extracorporeal Membrane Oxygenation: A Review and Strategies for Optimization. ASAIO Journal, 2019, 65, 636-641.	0.9	17
51	Ventricular Assist Device Support: Single Pediatric Institution Experience Over Two Decades. Annals of Thoracic Surgery, 2019, 107, 829-836.	0.7	17
52	Ontogeny of cerebrovascular critical closing pressure. Pediatric Research, 2015, 78, 71-75.	1.1	16
53	Incorporating longitudinal pediatric patient-centered outcome measurement into the clinical workflow using a commercial electronic health record: a step toward increasing value for the patient. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 88-93.	2.2	16
54	Aborted Sudden Cardiac Death After Unroofing of Anomalous Left Coronary Artery. Annals of Thoracic Surgery, 2017, 104, e265-e267.	0.7	16

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55	Descending Aortic Translocation for Relief of Distal Tracheal and Proximal Bronchial Compression. Annals of Thoracic Surgery, 2016, 102, 859-862.	0.7	15
56	In Vitro Hemocompatibility Evaluation of Ventricular Assist Devices in Pediatric Flow Conditions: A Benchmark Study. Artificial Organs, 2018, 42, 1028-1034.	1.0	15
57	Early Outcomes After Heart Transplantation in Recipients Bridged With a HeartMate 3 Device. Annals of Thoracic Surgery, 2019, 108, 467-473.	0.7	15
58	Waiting list outcomes in pediatric lung transplantation: Poor results for children listed in adult transplant programs. Journal of Heart and Lung Transplantation, 2017, 36, 1201-1208.	0.3	13
59	The Neonatal Arterial Switch Operation: Technical Pearls. Pediatric Cardiac Surgery Annual, 2017, 20, 38-42.	0.5	13
60	Tricuspid Valve Detachment in Ventricular Septal Defect Closure Does Not Impact Valve Function. Annals of Thoracic Surgery, 2018, 106, 145-150.	0.7	13
61	Comparing Frailty Markers in Predicting Poor Outcomes after Transcatheter Aortic Valve Replacement. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2019, 14, 43-54.	0.4	13
62	Larger Centers May Produce Better Outcomes: Is Regionalization in Congenital Heart Surgery a Superior Model?. Pediatric Cardiac Surgery Annual, 2016, 19, 10-13.	0.5	12
63	Remodeling of <scp>ECM</scp> patch into functional myocardium in an ovine model: A pilot study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1713-1720.	1.6	12
64	Correlating Oxygen Delivery During Cardiopulmonary Bypass With the Neurologic Injury Biomarker Ubiquitin C-Terminal Hydrolase L1 (UCH-L1). Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 2485-2492.	0.6	12
65	Feeding gastrostomy in children with complex heart disease: when is a fundoplication indicated?. Pediatric Surgery International, 2016, 32, 285-289.	0.6	11
66	Effect of Gastrointestinal Malformations on the Outcomes of Patients With Congenital Heart Disease. Annals of Thoracic Surgery, 2017, 104, 1590-1596.	0.7	11
67	Complete versus partial excision of infected arteriovenous grafts: Does remnant graft material impact outcomes?. Journal of Vascular Surgery, 2020, 71, 174-179.	0.6	11
68	Conditional Survival in Heart Transplantation: An Organ Procurement and Transplantation Network Database Analysis. Annals of Thoracic Surgery, 2020, 110, 1339-1347.	0.7	11
69	Increased Use of Multiorgan Transplantation in Heart Transplantation: Only Time Will Tell. Annals of Thoracic Surgery, 2020, 110, 1308-1315.	0.7	11
70	Outcomes after heart transplantation in sensitized patients bridged with ventricular assist devices. Journal of Cardiac Surgery, 2019, 34, 474-481.	0.3	10
71	Variation in Platelet Transfusion Practices in Cardiac Surgery. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2019, 14, 134-143.	0.4	10
72	Diaphragm Paralysis After Pediatric Cardiac Surgery: An STS Congenital Heart Surgery Database Study. Annals of Thoracic Surgery, 2020, 112, 139-146.	0.7	10

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73	Summary of the 2015 International Paediatric Heart Failure Summit of Johns Hopkins All Children's Heart Institute. Cardiology in the Young, 2015, 25, 8-30.	0.4	9
74	Removal of Noninfected Arteriovenous Fistulae after Kidney Transplantation isÂaÂSafe and Beneficial Management StrategyÂfor Unused Dialysis Access. Annals of Vascular Surgery, 2018, 53, 128-132.	0.4	9
75	Long-term Survival After Heart Transplantation: A Population-based Nested Case-Control Study. Annals of Thoracic Surgery, 2021, 111, 889-898.	0.7	9
76	Long-term outcomes after transplantation after support with a pulsatile pediatric ventricular assist device. Journal of Heart and Lung Transplantation, 2019, 38, 449-455.	0.3	8
77	The Prevalence and Impact of Congenital Diaphragmatic Hernia Among Patients Undergoing Surgery for Congenital Heart Disease. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 69-77.	0.4	8
78	Size Mismatching Increases Mortality After Lung Transplantation in Preadolescent Patients. Annals of Thoracic Surgery, 2019, 108, 130-137.	0.7	7
79	Heart transplantation outcomes in arrhythmogenic right ventricular cardiomyopathy: a contemporary national analysis. ESC Heart Failure, 2022, , .	1.4	7
80	Acute Cholecystitis Preceding Mycotic Aortic Pseudoaneurysm in a Heart Transplant Recipient. Journal of Cardiac Surgery, 2010, 25, 749-751.	0.3	6
81	Pulsatile Glenn as long-term palliation for single ventricle physiology patients. Congenital Heart Disease, 2018, 13, 927-934.	0.0	6
82	Familial clustering of cardiac conditions in patients with anomalous aortic origin of a coronary artery and myocardial bridges. Cardiology in the Young, 2018, 28, 1099-1105.	0.4	6
83	Impact of Traumatically Brain-Injured Donors on Outcomes After Heart Transplantation. Journal of Surgical Research, 2019, 240, 40-47.	0.8	6
84	Effects of Systemic and Device-Related Complications in Patients Bridged to Transplantation With Left Ventricular Assist Devices. Journal of Surgical Research, 2020, 246, 207-212.	0.8	6
85	The ongoing quest for an ideal surgical repair for tetralogy of Fallot: Focus on the pulmonary valve. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1364.	0.4	5
86	Antithrombin levels during pediatric cardiopulmonary bypass: Key to changing a decades-old paradigm for anticoagulation?. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 305-306.	0.4	5
87	Coronary Button Pseudoaneurysms After Aortic Root Replacement in a Child With Loeys-Deitz Syndrome. Annals of Thoracic Surgery, 2018, 105, e63-e65.	0.7	5
88	Risk Factors for Development and Progression of Scoliosis After Pediatric Cardiothoracic Operations. Annals of Thoracic Surgery, 2018, 105, 1835-1841.	0.7	5
89	Bilateral Internal Mammary Artery Use inÂDiabetic Patients: Friend or Foe?. Annals of Thoracic Surgery, 2018, 106, 1088-1094.	0.7	5
90	Off-pump coronary artery bypass in octogenarians: results of a statewide, matched comparison. General Thoracic and Cardiovascular Surgery, 2019, 67, 355-362.	0.4	5

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91	Preserving our international heritage of education in congenital heart surgery. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 377-378.	0.4	4
92	Static cerebrovascular pressure autoregulation remains intact during deep hypothermia. Paediatric Anaesthesia, 2017, 27, 911-917.	0.6	4
93	Surgical Palliation for Hypoplastic Left Heart Syndrome. Circulation, 2018, 137, 2254-2255.	1.6	4
94	Children's Heart Assessment Tool for Transplantation (CHAT) Score: A Novel Risk Score Predicts Survival After Pediatric Heart Transplantation. World Journal for Pediatric & Congenital Heart Surgery, 2019, 10, 296-303.	0.3	4
95	Single-visit surgery: An evaluation from an institutional perspective. Journal of Pediatric Surgery, 2019, 54, 1108-1111.	0.8	4
96	Evaluation of Extracorporeal Membrane Oxygenation Therapy as a Bridging Method. Annals of Thoracic Surgery, 2021, 112, 68-74.	0.7	4
97	Epstein-Barr Virus Predicts Malignancy After Pediatric Heart Transplant, Induction Therapy and Tacrolimus Don't. Annals of Thoracic Surgery, 2022, 114, 1794-1802.	0.7	4
98	Systemic Semilunar Valve Replacement in Pediatric Patients Using a Porcine, Full-Root Bioprosthesis. Annals of Thoracic Surgery, 2015, 100, 599-605.	0.7	3
99	The Neonatal Arterial Switch Operation: How I Teach It. Annals of Thoracic Surgery, 2016, 102, 681-684.	0.7	3
100	Intra-Aortic Missile After Gunshot Wound to Chest: An Interesting Case of Traumatic Cardiac Injury. Annals of Thoracic Surgery, 2017, 103, e441-e442.	0.7	3
101	Renal ultrasound provides low utility in evaluating cardiac surgery associated acute kidney injury. Journal of Cardiothoracic Surgery, 2017, 12, 75.	0.4	3
102	A pulmonary artery sling with a vascular ring in a toddler: an uncommon combination. Cardiology in the Young, 2018, 28, 783-785.	0.4	3
103	Circumflex aorta with double aortic arch in an infant. Journal of Cardiac Surgery, 2018, 33, 292-295.	0.3	3
104	Discrepancies in access and institutional risk tolerance in heart transplantation: A national open cohort study. Journal of Cardiac Surgery, 2019, 34, 994-1003.	0.3	3
105	Survey of multinational surgical management practices in tetralogy of Fallot. Cardiology in the Young, 2019, 29, 67-70.	0.4	3
106	Left Ventricular Assist Device Exchange Increases Heart Transplant Wait-List Mortality. Journal of Surgical Research, 2020, 255, 277-284.	0.8	3
107	Evolution of the Pediatric and Congenital Heart Surgery Service at Texas Children's Hospital: 1954-2015. Seminars in Thoracic and Cardiovascular Surgery, 2015, 27, 380-387.	0.4	2
108	Impaled Aorta: A Rare Case of Aortic Perforation With a Vertebral Outgrowth. Annals of Thoracic Surgery, 2015, 99, 1449-1451.	0.7	2

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109	Contemporary Outcomes following Redo Autogenous Infrainguinal Bypass. Annals of Vascular Surgery, 2020, 66, 537-542.	0.4	2
110	Morbidity and mortality outcomes after esophagectomy following chemoradiation using a standardized operative technique Journal of Clinical Oncology, 2018, 36, 166-166.	0.8	2
111	Cannulation strategy for centrifugal-flow ventricular assist device implantation late after arterial switch operation. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 532-534.	0.5	1
112	A Bullet in the Aortic Root. Anesthesia and Analgesia, 2019, 129, e69-e72.	1.1	1
113	Commentary: The challenge of postoperative diaphragmatic paralysis in patients with functionally univentricular circulation: A data-driven strategy. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1297-1299.	0.4	1
114	Quality Measures for Congenital and Pediatric Cardiac Surgery. , 0, .		1
115	Invited Commentary. Annals of Thoracic Surgery, 2008, 85, 1690.	0.7	0
116	Neuroprotective Strategies – What Do We Really Need to Know?. Pediatric Cardiac Surgery Annual, 2014, 17, 77-80.	0.5	0
117	The disadvantaged right ventricle in hypoplastic left heart syndrome: Additional insight. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2419.	0.4	0
118	50th Anniversary Landmark Commentary on Bender HW Jr, Stewart JR, Merrill WH, Hammon JW Jr, Graham TP Jr. Ten years' experience with the Senning operation for transposition of the great arteries: physiological results and late follow-up. Ann Thorac Surg 1989;47:218–23. Annals of Thoracic Surgery, 2015, 100, 1152-1153.	0.7	0
119	The journey toward improved hypoplastic left heart syndrome outcomes continues—another small step. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1487.	0.4	Ο
120	Denton A. Cooley, August 22, 1920, to November 18, 2016. Annals of Thoracic Surgery, 2017, 103, 1676-1678.	0.7	0
121	Denton Arthur Cooley, MD, and the Dawn of Congenital Heart Surgery. World Journal for Pediatric & Congenital Heart Surgery, 2017, 8, 127-129.	0.3	0
122	The right ventricle in the systemic circulation: Why do some fail?. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1733.	0.4	0
123	Introduction. Pediatric Cardiac Surgery Annual, 2017, 20, 1.	0.5	0
124	Disseminated Intravascular Coagulation Following Heart Transplant in an HIV-infected Recipient: Case Report and Review of the Literature. Transplantation Direct, 2019, 5, e444.	0.8	0
125	AN IN VITRO CONTRACTILE STUDY IN PEDIATRIC HUMAN HEARTS WITH CONGENITAL HEART DISEASE. FASEB Journal, 2007, 21, A1262.	0.2	0
126	Abstract 17967: Systemic Hypertension in Children After Superior Cavo-pulmonary Shunt is Associated With Cerebrovascular Dysautoregulation. Circulation, 2015, 132, .	1.6	0

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127	Congenital heart surgery in the adult. Texas Heart Institute Journal, 2010, 37, 662-4.	0.1	0