Christopher W Baird

List of Publications by Year
in descending order

106 papers	2,112 citations	257450 24 h-index	289244 40 g-index
106 all docs	106 docs citations	106 times ranked	1858 citing authors

#	Article	IF	Citations
1	Anticoagulation and Pediatric Extracorporeal Membrane Oxygenation: Impact of Activated Clotting Time and Heparin Dose on Survival. Annals of Thoracic Surgery, 2007, 83, 912-920.	1.3	131
2	Accelerated Degeneration of a Bovine Pericardial Bioprosthetic Aortic Valve in Children and Young Adults. Circulation, 2014, 130, 51-60.	1.6	131
3	Preliminary experience with porcine intestinal submucosa (CorMatrix) for valve reconstruction in congenital heart disease: Histologic evaluation of explanted valves. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2216-2225.e1.	0.8	101
4	Younger age and valve oversizing are predictors of structural valve deterioration after pulmonary valve replacement in patients with tetralogy of Fallot. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 352-360.	0.8	79
5	Technical Performance Scores are strongly associated with early mortality, postoperative adverse events, and intensive care unit length of stayâ€"analysis of consecutive discharges for 2 years. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 389-396.e3.	0.8	60
6	Outcome and performance of bioprosthetic pulmonary valve replacement in patients with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1333-1342.e3.	0.8	60
7	Posterior tracheopexy for severe tracheomalacia. Journal of Pediatric Surgery, 2017, 52, 951-955.	1.6	60
8	Congenital aortic and truncal valve reconstruction using the Ozaki technique: Short-term clinical results. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1567-1577.	0.8	57
9	Direct tracheobronchopexy to correct airway collapse due to severe tracheobronchomalacia: Short-term outcomes in a series of 20 patients. Journal of Pediatric Surgery, 2015, 50, 972-977.	1.6	56
10	Outcomes of surgery for young children with multivessel pulmonary vein stenosis. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 911-917.	0.8	56
11	Mechanisms of tricuspid regurgitation in patients with hypoplastic left heart syndrome undergoing tricuspid valvuloplasty. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 832-840.	0.8	47
12	Valve-sparing repair with intraoperative balloon dilation in tetralogy of Fallot: Midterm results and therapeutic implications. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1163-1173.e4.	0.8	46
13	Aspirin unresponsiveness predicts thrombosis in high-risk pediatric patients after cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 810-816.	0.8	44
14	Outcomes after mechanical aortic valve replacement in children and young adults with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 329-340.	0.8	40
15	Surgical repair of truncal valve regurgitationâ€. European Journal of Cardio-thoracic Surgery, 2013, 44, 813-820.	1.4	38
16	Aortic root translocation (Nikaidoh procedure): Intermediate follow-up and impact of conduit type. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1349-1355.	0.8	34
17	Initial experience introducing an enhanced recovery program in congenital cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1313-1321.e5.	0.8	34
18	Mitral valve operations at a high-volume pediatric heart center: Evolving techniques and improved survival with mitral valve repair versus replacement. Annals of Pediatric Cardiology, 2012, 5, 13.	0.5	33

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19	Hemodynamic parameters predict adverse outcomes following biventricular conversion with single-ventricle palliation takedown. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 572-582.	0.8	33
20	Posterior Tracheopexy for Severe Tracheomalacia Associated with Esophageal Atresia (EA): Primary Treatment at the Time of Initial EA Repair versus Secondary Treatment. Frontiers in Surgery, 2017, 4, 80.	1.4	31
21	Surgical Treatment of Tracheobronchomalacia: A novel approach. Paediatric Respiratory Reviews, 2016, 19, 16-20.	1.8	30
22	Descending Aortopexy and Posterior Tracheopexy for Severe Tracheomalacia and Left Mainstem Bronchomalacia. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 479-485.	0.6	30
23	Technical Performance Score as Predictor for Post-discharge Reintervention in Valve-Sparing Tetralogy of Fallot Repair. Seminars in Thoracic and Cardiovascular Surgery, 2014, 26, 297-303.	0.6	28
24	A reinforced right-ventricle-to-pulmonary-artery conduit for the stage-1 Norwood procedure improves pulmonary artery growth. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1502-1508.e1.	0.8	28
25	Outcomes following thoracotomy or thoracoscopic vascular ring division in children and young adults. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 607-615.	0.8	26
26	Aortic uncrossing and tracheobronchopexy corrects tracheal compression and tracheobronchomalacia associated with circumflex aortic arch. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 796-804.	0.8	26
27	Photo-oxidized bovine pericardium in congenital cardiac surgery: single-centre experience. Interactive Cardiovascular and Thoracic Surgery, 2017, 24, ivw315.	1.1	25
28	Right ventricular outflow tract reintervention after primary tetralogy of Fallot repair in neonates and young infants. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 726-734.	0.8	24
29	Aortic Valve Reconstruction in the Young Infants and Children. Pediatric Cardiac Surgery Annual, 2012, 15, 9-19.	1.2	23
30	Repair of double outlet right ventricle: Midterm outcomes. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 254-264.	0.8	23
31	Fontan with lateral tunnel is associated with improved survival compared with extracardiac conduit. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1480-1491.e2.	0.8	23
32	Reintervention rates after bioprosthetic pulmonary valve replacement in patients younger than 30Âyears of age: A multicenter analysis. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 345-362.e2.	0.8	22
33	Phosphodiesterase Inhibitorâ€Based Vasodilation Improves Oxygen Delivery and Clinical Outcomes Following Stage 1 Palliation. Journal of the American Heart Association, 2016, 5, .	3.7	21
34	Long-term Surgical Prognosis of Primary Supravalvular Aortic Stenosis Repair. Annals of Thoracic Surgery, 2019, 108, 1202-1209.	1.3	21
35	Aortic valve neo-cuspidation using the Ozaki technique for acquired and congenital disease: where does this procedure currently stand?. Indian Journal of Thoracic and Cardiovascular Surgery, 2020, 36, 113-122.	0.6	21
36	Long-term outcomes of truncus arteriosus repair: A modulated renewal competing risks analysis. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 224-236.e6.	0.8	21

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37	Tricuspid regurgitation or Ebsteinoid dysplasia of the tricuspid valve in congenitally corrected transposition: Is valvuloplasty necessary atÂanatomic repair?. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 576-580.	0.8	20
38	Jejunal Interposition after Failed Esophageal Atresia Repair. Journal of the American College of Surgeons, 2016, 222, 1001-1008.	0.5	20
39	Innovative management of severe tracheobronchomalacia using anterior and posterior tracheobronchopexy. Laryngoscope, 2020, 130, E65-E74.	2.0	20
40	Review of Congenital Mitral Valve Stenosis: Analysis, Repair Techniques and Outcomes. Cardiovascular Engineering and Technology, 2015, 6, 167-173.	1.6	19
41	Surgical Considerations in Interrupted Aortic Arch. Seminars in Cardiothoracic and Vascular Anesthesia, 2018, 22, 278-284.	1.0	18
42	Revisiting prosthesis choice in mitral valve replacement in children: Durable alternatives to traditional bioprostheses. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 213-225.e3.	0.8	18
43	Primary pulmonary vein stenosis during infancy: state of the art review. Journal of Perinatology, 2021, 41, 1528-1539.	2.0	17
44	Valve-sparing aortic root replacement and remodeling with complex aortic valve reconstruction in children and young adults with moderate or severe aortic regurgitation. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1768-1776.	0.8	15
45	Takedown of cavopulmonary shunt at biventricular repair. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1506-1511.	0.8	15
46	Modified Ozaki Procedure Including Annular Enlargement for Small Aortic Annuli in Young Patients. Annals of Thoracic Surgery, 2020, 110, 1364-1371.	1.3	15
47	Morphologic and histologic findings in bioprosthetic valves explanted from the mitral position in children younger than 5 years of age. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 746-752.	0.8	13
48	Pulmonary vein stenosis: Anatomic considerations, surgical management, and outcomes. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 2198-2207.e3.	0.8	13
49	Laparoscopic Gastrojejunostomy Tube Placement in Infants with Congenital Cardiac Disease. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2015, 25, 1047-1050.	1.0	12
50	Measurement of Dead Space Fraction Upon ICU Admission Predicts Length of Stay and Clinical Outcomes Following Bidirectional Cavopulmonary Anastomosis*. Pediatric Critical Care Medicine, 2018, 19, 23-31.	0.5	12
51	Mechanical Properties of Autologous Pericardium Change With Fixation Time: Implications for Valve Reconstruction. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 852-854.	0.6	12
52	Intraoperative Recurrent Laryngeal Nerve Monitoring During Pediatric Cardiac and Thoracic Surgery: A Mini Review. Frontiers in Pediatrics, 2020, 8, 587177.	1.9	12
53	Neonatal Mitral Valve Repair in Biventricular Repair, Single Ventricle Palliation, and Secondary Left Ventricular Recruitment: Indications, Techniques, and Mid-Term Outcomes. Frontiers in Surgery, 2015, 2, 59.	1.4	11
54	Super Glenn for staged biventricular repair: impact on left ventricular growth?. European Journal of Cardio-thoracic Surgery, 2021, 60, 534-541.	1.4	11

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55	Management of Congenitally Corrected Transposition of the Great Arteries With Intact Ventricular Septum: Anatomic Repair or Palliative Treatment?. Circulation: Cardiovascular Interventions, 2021, 14, e010154.	3.9	11
56	Mechanism of valve failure and efficacy of reintervention through catheterization in patients with bioprosthetic valves in the pulmonary position. Annals of Pediatric Cardiology, 2017, 10, 11-17.	0.5	11
57	Histology of Pericardial Tissue Substitutes Used in Congenital Heart Surgery. Pediatric and Developmental Pathology, 2016, 19, 383-388.	1.0	10
58	Great vessel anomalies and their impact on the surgical treatment of tracheobronchomalacia. Journal of Pediatric Surgery, 2020, 55, 1302-1308.	1.6	10
59	Time-Related Risk of Pulmonary Conduit Re-replacement: A Congenital Heart Surgeonsâ€™ Society Study. Annals of Thoracic Surgery, 2022, 113, 623-629.	1.3	10
60	Pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals: collateral vessel disease burden and unifocalisation strategies. Cardiology in the Young, 2018, 28, 1091-1098.	0.8	9
61	Do patients with anomalous origin of the left coronary artery benefit from an early repair of the mitral valve?. European Journal of Cardio-thoracic Surgery, 2020, 57, 72-77.	1.4	9
62	Preoperative Factors That Predict Recurrence After Repair of Discrete Subaortic Stenosis. Annals of Thoracic Surgery, 2021, 111, 1613-1619.	1.3	9
63	Tracheobronchomalacia, Tracheobronchial Compression, and Tracheobronchial Malformations: Diagnostic and Treatment Strategies. Pediatric Cardiac Surgery Annual, 2020, 23, 53-61.	1.2	9
64	Impact of a Composite Valved RV-PA Graft After Stage 1 Palliation. Annals of Thoracic Surgery, 2018, 106, 1452-1459.	1.3	8
65	Pathology of valved venous homografts used as right ventricle-to-pulmonary artery conduits in congenital heart disease surgery. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 342-350.e3.	0.8	8
66	Experience with bioresorbable splints for treatment of airway collapse in a pediatric population. JTCVS Techniques, 2021, 8, 160-169.	0.4	8
67	Single-Leaflet Aortic Valve Reconstruction Utilizing the Ozaki Technique in Patients With Congenital Aortic Valve Disease. Seminars in Thoracic and Cardiovascular Surgery, 2022, 34, 1262-1272.	0.6	8
68	Standardized Aortic Valve Neocuspidization for Treatment of Aortic Valve Diseases. Annals of Thoracic Surgery, 2022, 114, 1108-1117.	1.3	8
69	Outcomes and Short-Term Follow-Up in Complex Ross Operations in Pediatric Patients Undergoing Damus-Kaye-Stansel Takedown. Seminars in Thoracic and Cardiovascular Surgery, 2016, 28, 81-89.	0.6	7
70	The Association of Age and Repair Modification with Outcome after Cone Repair for Ebstein's Malformation. Seminars in Thoracic and Cardiovascular Surgery, 2022, 34, 205-212.	0.6	7
71	Scimitar syndrome: A new multipatch technique and incidence of postoperative pulmonary vein obstruction. JTCVS Techniques, 2020, 4, 208-216.	0.4	7
72	Intraoperative conduction mapping in complex congenital heart surgery. JTCVS Techniques, 2022, 12, 159-163.	0.4	7

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73	Right atrial hemangioma in the newborn: Utility of fetal imaging. Annals of Pediatric Cardiology, 2012, 5, 81.	0.5	6
74	Direct Tracheobronchopexy and Posterior Descending Aortopexy for Severe Left Mainstem Bronchomalacia Associated With Congenital Pulmonary Airway Malformation and Left Circumflex Aortic Arch. Annals of Thoracic Surgery, 2016, 102, e1-e4.	1.3	6
75	Intraoperative Coronary Artery Imaging for Planning. Pediatric Cardiac Surgery Annual, 2020, 23, 11-16.	1.2	6
76	When to consider a posterolateral descending aortopexy in addition to a posterior tracheopexy for the surgical treatment of symptomatic tracheobronchomalacia. Journal of Pediatric Surgery, 2020, 55, 2682-2689.	1.6	6
77	Pulmonary Valve Reconstruction Using the Ozaki Leaflet Reconstructive Techniques. Annals of Thoracic Surgery, 2021, 111, e19-e21.	1.3	6
78	Infrastructure Availability for the Care of Congenital Heart Disease Patients and Its Influence on Case Volume, Complexity and Access Among Healthcare Institutions in 17 Middle-Income Countries. Global Heart, 2021, 16, 75.	2.3	6
79	Complex Aortic Valve Disease in Children. Operative Techniques in Thoracic and Cardiovascular Surgery, 2009, 14, 253-263.	0.3	5
80	Expandable Valve for Pediatric Application Constructed From Human Venous Valved Conduit Within a Stent. Annals of Thoracic Surgery, 2015, 100, 2320-2324.	1.3	5
81	Cardioscopically Guided Beating Heart Surgery: Paravalvular Leak Repair. Annals of Thoracic Surgery, 2017, 104, 1074-1079.	1.3	5
82	A low-cost bioprosthetic semilunar valve for research, disease modelling and surgical training applications. Interactive Cardiovascular and Thoracic Surgery, 2017, 25, 785-792.	1.1	5
83	Physiologic effects of delayed sternal closure following stage 1 palliation. Cardiology in the Young, 2018, 28, 1393-1403.	0.8	5
84	Aortic Valve Surgery After Neonatal Balloon Aortic Valvuloplasty in Congenital Aortic Stenosis. Circulation: Cardiovascular Interventions, 2021, 14, e009933.	3.9	5
85	The Role of Elevated Wall Shear Stress in Progression of Pulmonary Vein Stenosis: Evidence from Two Case Studies. Children, 2021, 8, 729.	1.5	5
86	Reoperation to correct unsuccessful vascular ring and vascular decompression surgery. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 199-207.	0.8	5
87	Tricuspid valve repair concomitant with the Norwood operation among babies with hypoplastic left heart syndrome. European Journal of Cardio-thoracic Surgery, 2022, , .	1.4	5
88	Takedown of cavopulmonary (Glenn) shunt: A technique using a right atrial flap. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 747-749.	0.8	4
89	Augmentation of Bridging Leaflets in Repair of Atrioventricular Canal Defects. Annals of Thoracic Surgery, 2017, 104, e101-e103.	1.3	4
90	Experience and Outcomes of Surgically Implanted Melody Valve in the Pulmonary Position. Annals of Thoracic Surgery, 2021, 111, 966-972.	1.3	4

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91	Preliminary Results With a Novel Expanded Polytetrafluoroethylene-based Pulmonary Valved Conduit. Annals of Thoracic Surgery, 2022, 114, 2314-2321.	1.3	4
92	Type B Interrupted Right Aortic Arch: Diagnostic and Surgical Approaches. Annals of Thoracic Surgery, 2019, 107, e41-e43.	1.3	3
93	Porcine and bovine aortic valve comparison for surgical optimization: A fluid-structure interaction modeling study. International Journal of Cardiology, 2021, 334, 88-95.	1.7	3
94	Dehiscence of patch augmentation of a left-sided atrioventricular valve related to strenuous isometric exercise: Case report and failure analysis. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, e165-e168.	0.8	2
95	Management of Complex Left Ventricular Outflow Tract Obstruction: A Comparison of Konno and Modified Konno Techniques. Pediatric Cardiology, 2021, 42, 614-627.	1.3	2
96	Alternative Uses of the Ozaki Technique: Aortic Valved Conduit in a Bentall Operation and Right Ventricle-to-Pulmonary Artery Conduit. World Journal for Pediatric & Congenital Heart Surgery, 2021, 12, 406-410.	0.8	2
97	Aortic elongation and bronchial splint for late bronchial complication after neonatal arch reconstruction. JTCVS Techniques, 2021, 8, 126-128.	0.4	2
98	Biventricular Repair in Patients with a Borderline Left Heart. , 2014, , 1765-1785.		2
99	Hybrid approach to neonatal repair of large symptomatic congenital coronary artery fistula. JTCVS Techniques, 2020, 3, 295-297.	0.4	2
100	Surgical Valve Choices for Pulmonary Valve Replacement. Seminars in Thoracic and Cardiovascular Surgery, 2023, 35, 94-104.	0.6	2
101	Transposition of the great arteries and sinus venosus defect with partially anomalous pulmonary venous return: physiological and anatomic considerations. Cardiology in the Young, 2015, 25, 787-789.	0.8	1
102	Neonates with Right Aortic Arch Requiring Arch Reconstruction: A Single-Institution Experience. Annals of Thoracic Surgery, 2021, , .	1.3	1
103	Bronchomalacia in Right Aortic Arch Treated With Descending Aortic Translocation and Airway Splint. Annals of Thoracic Surgery, 2022, 113, e187-e189.	1.3	1
104	Truncus arteriosus versus tetralogy of Fallot with pulmonary atresia. Cardiology in the Young, 2017, 27, 801-803.	0.8	0
105	A term neonate with cyanosis with crying. Breathe, 2021, 17, 210097.	1.3	0
106	Unrepairable Infant Mitral Valve: An Unexpected Case of Decompensated Heart Failure. Circulation, 2022, 145, 1175-1178.	1.6	0