J William Gaynor

List of Publications by Citations

267 papers	13,455 citations	64 h-index	107 g-index
281 ext. papers	16,296 ext. citations	3.1 avg, IF	5.8 L-index

#	Paper	IF	Citations
267	Neurodevelopmental outcomes in children with congenital heart disease: evaluation and management: a scientific statement from the American Heart Association. *Circulation*, **2012**, 126, 1143-72	16.7	818
266	Brain maturation is delayed in infants with complex congenital heart defects. *Journal of Thoracic and Cardiovascular Surgery*, **2009**, 137, 529-36; discussion 536-7	1.5	409
265	De novo mutations in congenital heart disease with neurodevelopmental and other congenital anomalies. *Science*, **2015**, 350, 1262-6	33.3	406
264	Contribution of rare inherited and de novo variants in 2,871 congenital heart disease probands. *Nature Genetics*, **2017**, 49, 1593-1601	36.3	348
263	Hypoplastic left heart syndrome: current considerations and expectations. *Journal of the American College of Cardiology*, **2012**, 59, S1-42	15.1	340
262	Necrotizing enterocolitis in neonates with congenital heart disease: risk factors and outcomes. *Pediatrics*, **2000**, 106, 1080-7	7.4	313
261	An MRI study of neurological injury before and after congenital heart surgery. *Circulation*, **2002**, 106, I109-14	16.7	282
260	Periventricular leukomalacia is common after neonatal cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2004**, 127, 692-704	1.5	266
259	Neurodevelopmental outcomes after cardiac surgery in infancy. *Pediatrics*, **2015**, 135, 816-25	7.4	262
258	Risk factors for mortality after the Norwood procedure. *European Journal of Cardio-thoracic Surgery* , **2002**, 22, 82-9	3	255
257	Inattention, hyperactivity, and school performance in a population of school-age children with complex congenital heart disease. *Pediatrics*, **2008**, 121, e759-67	7.4	228
256	Preoperative cerebral blood flow is diminished in neonates with severe congenital heart defects. *Journal of Thoracic and Cardiovascular Surgery*, **2004**, 128, 841-9	1.5	221
255	Early developmental outcome in children with hypoplastic left heart syndrome and related anomalies: the single ventricle reconstruction trial. *Circulation*, **2012**, 125, 2081-91	16.7	215
254	An MRI Study of Neurological Injury Before and After Congenital Heart Surgery. *Circulation*, **2002**, 106,	16.7	213
253	The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. *Cardiology in the Young*, **2007**, 17 Suppl 2, 1-28	1	195
252	Patient characteristics are important determinants of neurodevelopmental outcome at one year of age after neonatal and infant cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2007**, 133, 1344-53, 1353.e1-3	1.5	189
251	Apolipoprotein E genotype and neurodevelopmental sequelae of infant cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2003**, 126, 1736-45	1.5	169

250	Risk factors for mortality in 137 pediatric cardiac intensive care unit patients managed with extracorporeal membrane oxygenation. *Critical Care Medicine*, **2004**, 32, 1061-9	1.4	169
249	Nomenclature for congenital and paediatric cardiac disease: historical perspectives and The International Pediatric and Congenital Cardiac Code. *Cardiology in the Young*, **2008**, 18 Suppl 2, 70-80	1	153
248	Predictors of outcome after the Fontan operation: is hypoplastic left heart syndrome still a risk factor?. *Journal of Thoracic and Cardiovascular Surgery*, **2002**, 123, 237-45	1.5	150
247	Risk factors for interstage death after stage 1 reconstruction of hypoplastic left heart syndrome and variants. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 136, 94-9, 99.e1-3	1.5	145
246	Neurodevelopmental outcomes after staged palliation for hypoplastic left heart syndrome. *Pediatrics*, **2008**, 121, 476-83	7.4	139
245	Outcomes after the stage I reconstruction comparing the right ventricular to pulmonary artery conduit with the modified Blalock Taussig shunt. *Annals of Thoracic Surgery*, **2005**, 80, 1582-90; discussion 1590-1	2.7	138
244	The nomenclature, definition and classification of hypoplastic left heart syndrome. *Cardiology in the Young*, **2006**, 16, 339-68	1	131
243	Central nervous system outcomes in children with complex congenital heart disease. *Current Opinion in Cardiology*, **2005**, 20, 94-9	2.1	124
242	Optical measurement of cerebral hemodynamics and oxygen metabolism in neonates with congenital heart defects. *Journal of Biomedical Optics*, **2010**, 15, 037004	3.5	118
241	Increasing duration of deep hypothermic circulatory arrest is associated with an increased incidence of postoperative electroencephalographic seizures. *Journal of Thoracic and Cardiovascular Surgery*, **2005**, 130, 1278-86	1.5	117
240	Apolipoprotein E genotype modifies the risk of behavior problems after infant cardiac surgery. *Pediatrics*, **2009**, 124, 241-50	7.4	113
239	Hypoplastic left heart syndrome with atrial level restriction in the era of prenatal diagnosis. *Annals of Thoracic Surgery*, **2007**, 84, 1633-8	2.7	113
238	Electrographic neonatal seizures after infant heart surgery. *Epilepsia*, **2005**, 46, 84-90	6.4	103
237	Aortic morphometry and microcephaly in hypoplastic left heart syndrome. *Cardiology in the Young*, **2007**, 17, 189-95	1	98
236	Intermediate outcomes after the Fontan procedure in the current era. *Journal of Thoracic and Cardiovascular Surgery*, **2006**, 131, 172-80	1.5	96
235	Cardiac extracorporeal life support: state of the art in 2007. *Cardiology in the Young*, **2007**, 17 Suppl 2, 104-15	1	95
234	Initial application in the EACTS and STS Congenital Heart Surgery Databases of an empirically derived methodology of complexity adjustment to evaluate surgical case mix and results. *European Journal of Cardio-thoracic Surgery*, **2012**, 42, 775-9; discussion 779-80	3	94
233	Effects of inspired hypoxic and hypercapnic gas mixtures on cerebral oxygen saturation in neonates with univentricular heart defects. *Anesthesiology*, **2002**, 96, 283-8	4.3	94

232	The Society of Thoracic Surgeons Congenital Heart Surgery Database Mortality Risk Model: Part 1-Statistical Methodology. *Annals of Thoracic Surgery*, **2015**, 100, 1054-62	2.7	93
231	Hypoplastic left heart syndrome: consensus and controversies in 2007. *Cardiology in the Young*, **2007**, 17 Suppl 2, 75-86	1	93
230	Quality measures for congenital and pediatric cardiac surgery. *World Journal for Pediatric & Congenital Heart Surgery*, **2012**, 3, 32-47	1.1	90
229	Long-term survival after the Fontan operation: Twenty years of experience at a single center. *Journal of Thoracic and Cardiovascular Surgery*, **2017**, 154, 243-253.e2	1.5	89
228	Use of extracorporeal membrane oxygenation in pediatric thoracic organ transplantation. *Journal of Thoracic and Cardiovascular Surgery*, **2002**, 123, 130-6	1.5	89
227	Initial application in the STS congenital database of complexity adjustment to evaluate surgical case mix and results. *Annals of Thoracic Surgery*, **2005**, 79, 1635-49; discussion 1635-49	2.7	87
226	Neo-aortic root dilation and valve regurgitation up to 21 years after staged reconstruction for hypoplastic left heart syndrome. *Journal of the American College of Cardiology*, **2003**, 42, 533-40	15.1	87
225	Association of impaired linear growth and worse neurodevelopmental outcome in infants with single ventricle physiology: a report from the pediatric heart network infant single ventricle trial. *Journal of Pediatrics*, **2013**, 162, 250-6.e2	3.6	85
224	The Society of Thoracic Surgeons Congenital Heart Surgery Database Mortality Risk Model: Part 2-Clinical Application. *Annals of Thoracic Surgery*, **2015**, 100, 1063-8; discussion 1068-70	2.7	84
223	Successful use of the total artificial heart in the failing Fontan circulation. *Annals of Thoracic Surgery* , **2014**, 97, 1438-40	2.7	82
222	Stratification of complexity improves the utility and accuracy of outcomes analysis in a Multi-Institutional Congenital Heart Surgery Database: Application of the Risk Adjustment in Congenital Heart Surgery (RACHS-1) and Aristotle Systems in the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database. *Pediatric Cardiology*, **2009**, 30, 1117-30	2.1	81
221	Time to surgery and preoperative cerebral hemodynamics predict postoperative white matter injury in neonates with hypoplastic left heart syndrome. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 148, 2181-8	1.5	80
220	Risk of seizures in survivors of newborn heart surgery using deep hypothermic circulatory arrest. *Pediatrics*, **2003**, 111, 592-601	7.4	80
219	Collaborative quality improvement in the cardiac intensive care unit: development of the Paediatric Cardiac Critical Care Consortium (PC4). *Cardiology in the Young*, **2015**, 25, 951-7	1	77
218	Anomalous aortic origin of a coronary artery with an interarterial course: understanding current management strategies in children and young adults. *Pediatric Cardiology*, **2009**, 30, 911-21	2.1	77
217	Accuracy of the aristotle basic complexity score for classifying the mortality and morbidity potential of congenital heart surgery operations. *Annals of Thoracic Surgery*, **2007**, 84, 2027-37; discussion 2027-37	2.7	77
216	Subclinical seizures identified by postoperative electroencephalographic monitoring are common after neonatal cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 169-78; discussion 178-80	1.5	76
215	Variation in perioperative care across centers for infants undergoing the Norwood procedure. *Journal of Thoracic and Cardiovascular Surgery*, **2012**, 144, 915-21	1.5	75

214	The relationship of postoperative electrographic seizures to neurodevelopmental outcome at 1 year of age after neonatal and infant cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery* , **2006**, 131, 181-9	1.5	75
213	Nomenclature for congenital and paediatric cardiac disease: the International Paediatric and Congenital Cardiac Code (IPCCC) and the Eleventh Iteration of the International Classification of Diseases (ICD-11). *Cardiology in the Young*, **2017**, 27, 1872-1938	1	73
212	Shear stress and pressure modulate saphenous vein remodeling ex vivo. *Journal of Biomechanics*, **2005**, 38, 1760-9	2.9	72
211	Nomenclature and databases for the surgical treatment of congenital cardiac disease--an updated primer and an analysis of opportunities for improvement. *Cardiology in the Young*, **2008**, 18 Suppl 2, 38-62	1	70
210	Current status of the European Association for Cardio-Thoracic Surgery and the Society of Thoracic Surgeons Congenital Heart Surgery Database. *Annals of Thoracic Surgery*, **2005**, 80, 2278-83; discussion 2283-4	2.7	70
209	Anomalous aortic origin of a coronary artery: a report from the Congenital Heart Surgeons Society Registry. *World Journal for Pediatric & Congenital Heart Surgery*, **2014**, 5, 22-30	1.1	69
208	Is cardiac diagnosis a predictor of neurodevelopmental outcome after cardiac surgery in infancy?. *Journal of Thoracic and Cardiovascular Surgery*, **2010**, 140, 1230-7	1.5	68
207	Surgical reinterventions following the Fontan procedure. *European Journal of Cardio-thoracic Surgery*, **2003**, 24, 255-9	3	67
206	Neo-aortic valvar function after the arterial switch. *Cardiology in the Young*, **2006**, 16, 481-9	1	66
205	Enteral feeding and caloric intake in neonates after cardiac surgery. *American Journal of Critical Care*, **2009**, 18, 52-7	1.7	65
204	Late neurodevelopmental outcome after repair of total anomalous pulmonary venous connection. *Journal of Thoracic and Cardiovascular Surgery*, **2005**, 129, 1091-7	1.5	64
203	Neurodevelopmental outcomes in preschool survivors of the Fontan procedure. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 1276-82; discussion 1282-1283.e5	1.5	60
202	Excess costs associated with complications and prolonged length of stay after congenital heart surgery. *Annals of Thoracic Surgery*, **2014**, 98, 1660-6	2.7	59
201	Report of the pediatric heart network and national heart, lung, and blood institute working group on the perioperative management of congenital heart disease. *Circulation*, **2010**, 121, 2766-72	16.7	59
200	Classification of Ventricular Septal Defects for the Eleventh Iteration of the International Classification of Diseases-Striving for Consensus: A Report From the International Society for Nomenclature of Paediatric and Congenital Heart Disease. *Annals of Thoracic Surgery*, **2018**, 106, 1578-1589	2.7	59
199	The registry of anomalous aortic origin of the coronary artery of the Congenital Heart Surgeons' Society. *Cardiology in the Young*, **2010**, 20 Suppl 3, 50-8	1	56
198	Congenital Heart Defects and Indices of Fetal Cerebral Growth in a Nationwide Cohort of 924 422 Liveborn Infants. *Circulation*, **2016**, 133, 566-75	16.7	55
197	The importance of patient-specific preoperative factors: an analysis of the society of thoracic surgeons congenital heart surgery database. *Annals of Thoracic Surgery*, **2014**, 98, 1653-8; discussion 1658-9	2.7	54

196	Epidemiology and outcomes after in-hospital cardiac arrest after pediatric cardiac surgery. *Annals of Thoracic Surgery*, **2014**, 98, 2138-43; discussion 2144	2.7	54
195	Lessons learned from the data analysis of the second harvest (1998-2001) of the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database. *European Journal of Cardio-thoracic Surgery*, **2004**, 26, 18-37	3	54
194	What is new with 22q? An update from the 22q and You Center at the Children's Hospital of Philadelphia. *American Journal of Medical Genetics, Part A*, **2018**, 176, 2058-2069	2.5	54
193	Clinical Epidemiology of Extubation Failure in the Pediatric Cardiac ICU: A Report From the Pediatric Cardiac Critical Care Consortium. *Pediatric Critical Care Medicine*, **2015**, 16, 837-45	3	53
192	Nomenclature and databases - the past, the present, and the future : a primer for the congenital heart surgeon. *Pediatric Cardiology*, **2007**, 28, 105-15	2.1	52
191	Improving outcomes in functional single ventricle and total anomalous pulmonary venous connection. *Annals of Thoracic Surgery*, **2004**, 78, 1688-95	2.7	52
190	Neurodevelopmental outcomes after congenital heart surgery and strategies for improvement. *Current Opinion in Cardiology*, **2012**, 27, 82-91	2.1	51
189	Critical heart disease in the neonate: presentation and outcome at a tertiary care center. *Pediatric Critical Care Medicine*, **2008**, 9, 193-202	3	51
188	Characterization of the Placenta in the Newborn with Congenital Heart Disease: Distinctions Based on Type of Cardiac Malformation. *Pediatric Cardiology*, **2018**, 39, 1165-1171	2.1	49
187	Congenital Heart Defects and Indices of Placental and Fetal Growth in a Nationwide Study of 924 422 Liveborn Infants. *Circulation*, **2016**, 134, 1546-1556	16.7	49
186	Ventricular assist device-associated anti-human leukocyte antigen antibody sensitization in pediatric patients bridged to heart transplantation. *Journal of Heart and Lung Transplantation*, **2010**, 29, 109-16	5.8	49
185	Population pharmacokinetics of milrinone in neonates with hypoplastic left heart syndrome undergoing stage I reconstruction. *Anesthesia and Analgesia*, **2006**, 102, 1062-9	3.9	48
184	Repair of anomalous pulmonary venous connection to the superior vena cava. *Annals of Thoracic Surgery*, **1995**, 59, 1471-5	2.7	48
183	Determinants of intensive care unit length of stay for infants undergoing cardiac surgery. *Congenital Heart Disease*, **2006**, 1, 152-60	3.1	47
182	Repair of anomalous aortic origin of a coronary artery in 113 patients: a Congenital Heart Surgeons' Society report. *World Journal for Pediatric & Congenital Heart Surgery*, **2014**, 5, 507-14	1.1	45
181	Databases for assessing the outcomes of the treatment of patients with congenital and paediatric cardiac disease--the perspective of cardiac surgery. *Cardiology in the Young*, **2008**, 18 Suppl 2, 101-15	1	45
180	Genetic factors are important determinants of neurodevelopmental outcome after repair of tetralogy of Fallot. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 135, 91-7	1.5	44
179	Early postoperative changes in cerebral oxygen metabolism following neonatal cardiac surgery: effects of surgical duration. *Journal of Thoracic and Cardiovascular Surgery*, **2013**, 145, 196-203, 205.e1; discussion 203-5	1.5	43

178	Estimating Mortality Risk for Adult Congenital Heart Surgery: An Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. *Annals of Thoracic Surgery*, **2015**, 100, 1728-35; discussion 1735-6	2.7	42
177	Report from The International Society for Nomenclature of Paediatric and Congenital Heart Disease: cardiovascular catheterisation for congenital and paediatric cardiac disease (Part 2 - Nomenclature of complications associated with interventional cardiology). *Cardiology in the Young*, **2011**, 21, 260-5	1	41
176	Tissue engineering of arteries by directed remodeling of intact arterial segments. *Tissue Engineering*, **2003**, 9, 461-72		41
175	Low-flow cardiopulmonary bypass produces greater pulmonary dysfunction than circulatory arrest. *Annals of Thoracic Surgery*, **1996**, 62, 1284-8	2.7	41
174	Data integrity of the Pediatric Cardiac Critical Care Consortium (PC4) clinical registry. *Cardiology in the Young*, **2016**, 26, 1090-6	1	41
173	Validation of association of the apolipoprotein E ε2 allele with neurodevelopmental dysfunction after cardiac surgery in neonates and infants. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 148, 2560-6	1.5	40
172	Outcome following single-stage repair of coarctation with ventricular septal defect. *European Journal of Cardio-thoracic Surgery*, **2000**, 18, 62-7	3	40
171	Classification of the functionally univentricular heart: unity from mapped codes. *Cardiology in the Young*, **2006**, 16 Suppl 1, 9-21	1	39
170	Fetal intrapericardial teratoma: natural history and management including successful in utero surgery. *American Journal of Obstetrics and Gynecology*, **2016**, 215, 780.e1-780.e7	6.4	36
169	Thirty years and 1663 consecutive Norwood procedures: Has survival plateaued?. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 158, 220-229	1.5	36
168	Burden of potentially pathologic copy number variants is higher in children with isolated congenital heart disease and significantly impairs covariate-adjusted transplant-free survival. *Journal of Thoracic and Cardiovascular Surgery*, **2016**, 151, 1147-51.e4	1.5	35
167	Increasing cumulative exposure to volatile anesthetic agents is associated with poorer neurodevelopmental outcomes in children with hypoplastic left heart syndrome. *Journal of Thoracic and Cardiovascular Surgery*, **2016**, 152, 482-9	1.5	35
166	Medium-term outcome after anomalous aortic origin of a coronary artery repair in a pediatric cohort. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 1580-6	1.5	34
165	Measuring hospital performance in congenital heart surgery: administrative versus clinical registry data. *Annals of Thoracic Surgery*, **2015**, 99, 932-8	2.7	34
164	Report from The International Society for Nomenclature of Paediatric and Congenital Heart Disease: cardiovascular catheterisation for congenital and paediatric cardiac disease (Part 1 - Procedural nomenclature). *Cardiology in the Young*, **2011**, 21, 252-9	1	34
163	Abnormalities of intestinal rotation in patients with congenital heart disease and the heterotaxy syndrome. *Congenital Heart Disease*, **2007**, 2, 12-8	3.1	34
162	The current status and future directions of efforts to create a global database for the outcomes of therapy for congenital heart disease. *Cardiology in the Young*, **2005**, 15 Suppl 1, 190-7	1	34
161	Mechanical properties of native and ex vivo remodeled porcine saphenous veins. *Journal of Biomechanics*, **2005**, 38, 1770-9	2.9	34

160	Preoperative cerebral hemodynamics from birth to surgery in neonates with critical congenital heart disease. *Journal of Thoracic and Cardiovascular Surgery*, **2018**, 156, 1657-1664	1.5	33
159	Features associated with myocardial ischemia in anomalous aortic origin of a coronary artery: A Congenital Heart Surgeons' Society study. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 158, 822-834.e3	1.5	32
158	Long-term atrial and ventricular epicardial pacemaker lead survival after cardiac operations in pediatric patients with congenital heart disease. *Heart Rhythm*, **2015**, 12, 566-573	6.7	32
157	Quality-Cost Relationship in Congenital Heart Surgery. *Annals of Thoracic Surgery*, **2015**, 100, 1416-21	2.7	31
156	Postoperative electroencephalographic seizures are associated with deficits in executive function and social behaviors at 4 years of age following cardiac surgery in infancy. *Journal of Thoracic and Cardiovascular Surgery*, **2013**, 146, 132-7	1.5	31
155	Surgical and Catheter-Based Reinterventions Are Common in Long-Term Survivors of the Fontan Operation. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	31
154	Genetic factors are important determinants of impaired growth after infant cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2010**, 140, 144-9	1.5	31
153	Cause and prevention of central nervous system injury in neonates undergoing cardiac surgery. *Seminars in Thoracic and Cardiovascular Surgery*, **2007**, 19, 269-77	1.7	31
152	Postoperative course in the cardiac intensive care unit following the first stage of Norwood reconstruction. *Cardiology in the Young*, **2007**, 17, 652-65	1	29
151	Parental decision-making in congenital heart disease. *Cardiology in the Young*, **2004**, 14, 309-14	1	29
150	Associations Between Age at Arterial Switch Operation, Brain Growth, and Development in Infants With Transposition of the Great Arteries. *Circulation*, **2019**, 139, 2728-2738	16.7	28
149	Results of elective repair at 6 months or younger in 277 patients with tetralogy of Fallot: a 14-year experience at a single center. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 713-7	1.5	28
148	Refining The Society of Thoracic Surgeons Congenital Heart Surgery Database Mortality Risk Model With Enhanced Risk Adjustment for Chromosomal Abnormalities, Syndromes, and Noncardiac Congenital Anatomic Abnormalities. *Annals of Thoracic Surgery*, **2019**, 108, 558-566	2.7	27
147	Mechanical Circulatory Support as Bridge to Transplantation for the Failing Single Ventricle. *Annals of Thoracic Surgery*, **2017**, 103, 193-197	2.7	27
146	Neurodevelopmental outcome after early repair of a ventricular septal defect with or without aortic arch obstruction. *Journal of Thoracic and Cardiovascular Surgery*, **2006**, 131, 792-8	1.5	27
145	The nomenclature, definition and classification of discordant atrioventricular connections. *Cardiology in the Young*, **2006**, 16 Suppl 3, 72-84	1	27
144	The effect of modified ultrafiltration on the postoperative course in patients with congenital heart disease. *Pediatric Cardiac Surgery Annual*, **2003**, 6, 128-39	2.1	27
143	Characteristics, Risk Factors, and Outcomes of Extracorporeal Membrane Oxygenation Use in Pediatric Cardiac ICUs: A Report From the Pediatric Cardiac Critical Care Consortium Registry. *Pediatric Critical Care Medicine*, **2018**, 19, 544-552	3	26

142	Periventricular leukomalacia following neonatal and infant cardiac surgery. *Pediatric Cardiac Surgery Annual*, **2004**, 7, 133-40	2.1	26
141	Lack of Furosemide Responsiveness Predicts Acute Kidney Injury in Infants After Cardiac Surgery. *Annals of Thoracic Surgery*, **2017**, 104, 1388-1394	2.7	25
140	Impact of Patient Characteristics on Hospital-Level Outcomes Assessment in Congenital Heart Surgery. *Annals of Thoracic Surgery*, **2015**, 100, 1071-6; discussion 1077	2.7	25
139	Single-finger subcutaneous defibrillation lead and "active can": a novel minimally invasive defibrillation configuration for implantable cardioverter-defibrillator implantation in a young child. *Journal of Thoracic and Cardiovascular Surgery*, **2003**, 126, 1657-9	1.5	25
138	Development of a Congenital Heart Surgery Composite Quality Metric: Part 1-Conceptual Framework. *Annals of Thoracic Surgery*, **2019**, 107, 583-589	2.7	25
137	Centre variation in cost and outcomes for congenital heart surgery. *Cardiology in the Young*, **2012**, 22, 796-9	1	23
136	Surrogate markers for neurological outcome in children after deep hypothermic circulatory arrest. *Seminars in Cardiothoracic and Vascular Anesthesia*, **2007**, 11, 59-65	1.4	23
135	Critical Care Nursing's Impact on Pediatric Patient Outcomes. *Annals of Thoracic Surgery*, **2016**, 102, 1375-80	2.7	23
134	Neurological Injury and Cerebral Blood Flow in Single Ventricles Throughout Staged Surgical Reconstruction. *Circulation*, **2017**, 135, 671-682	16.7	22
133	Patient genotypes impact survival after surgery for isolated congenital heart disease. *Annals of Thoracic Surgery*, **2014**, 98, 104-10; discussion 110-1	2.7	22
132	Congenital Heart Surgery Nomenclature and Database Project: update and proposed data harvest. *Annals of Thoracic Surgery*, **2002**, 73, 1016-8	2.7	22
131	Improved early results with cavopulmonary connections. *Cardiology in the Young*, **2001**, 11, 3-11	1	22
130	Chronic intrauterine hypoxia alters neurodevelopment in fetal sheep. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 157, 1982-1991	1.5	22
129	Rates of autism and potential risk factors in children with congenital heart defects. *Congenital Heart Disease*, **2017**, 12, 421-429	3.1	21
128	Improvement in Pediatric Cardiac Surgical Outcomes Through Interhospital Collaboration. *Journal of the American College of Cardiology*, **2019**, 74, 2786-2795	15.1	21
127	Cerebral mitochondrial dysfunction associated with deep hypothermic circulatory arrest in neonatal swine. *European Journal of Cardio-thoracic Surgery*, **2018**, 54, 162-168	3	20
126	The Congenital Heart Surgeons' Society Registry of Anomalous Aortic Origin of a Coronary Artery: an update. *Cardiology in the Young*, **2015**, 25, 1567-71	1	20
125	Haemodynamic changes during modified ultrafiltration immediately following the first stage of the Norwood reconstruction. *Cardiology in the Young*, **2005**, 15, 4-7	1	20

124	Factors affecting Fontan length of stay: Results from the Single Ventricle Reconstruction trial. *Journal of Thoracic and Cardiovascular Surgery*, **2016**, 151, 669-675.e1	1.5	19
123	Management of early Fontan failure: a single-institution experience. *European Journal of Cardio-thoracic Surgery*, **2014**, 46, 458-64; discussion 464	3	19
122	Use of administrative data for surgical site infection surveillance after congenital cardiac surgery results in inaccurate reporting of surgical site infection rates. *Annals of Thoracic Surgery*, **2014**, 97, 651-7; discussion 657-8	2.7	18
121	Completeness and Accuracy of Local Clinical Registry Data for Children Undergoing Heart Surgery. *Annals of Thoracic Surgery*, **2017**, 103, 629-636	2.7	18
120	Report from the international society for nomenclature of paediatric and congenital heart disease: creation of a visual encyclopedia illustrating the terms and definitions of the international pediatric and congenital cardiac code. *World Journal for Pediatric & Congenital Heart Surgery*, **2010**, 1, 300-13	1.1	18
119	Hemodynamic conditions alter axial and circumferential remodeling of arteries engineered ex vivo. *Annals of Biomedical Engineering*, **2005**, 33, 721-32	4.7	18
118	Linking the congenital heart surgery databases of the Society of Thoracic Surgeons and the Congenital Heart Surgeons' Society: part 1--rationale and methodology. *World Journal for Pediatric & Congenital Heart Surgery*, **2014**, 5, 256-71	1.1	17
117	The Impact of Differential Case Ascertainment in Clinical Registry Versus Administrative Data on Assessment of Resource Utilization in Pediatric Heart Surgery. *World Journal for Pediatric & Congenital Heart Surgery*, **2014**, 5, 398-405	1.1	17
116	Sodium bicarbonate causes dose-dependent increases in cerebral blood flow in infants and children with single-ventricle physiology. *Pediatric Research*, **2013**, 73, 668-73	3.2	16
115	Long-term noninvasive arrhythmia assessment after total anomalous pulmonary venous connection repair. *American Heart Journal*, **2007**, 153, 267-74	4.9	16
114	Congenital Heart Surgery Nomenclature and Database Project: update and proposed data harvest. *European Journal of Cardio-thoracic Surgery*, **2002**, 21, 47-9	3	16
113	Extracorporeal membrane oxygenation as a resuscitative measure in the pediatric emergency department. *Pediatric Emergency Care*, **2000**, 16, 413-5	1.4	16
112	National Variation in Congenital Heart Surgery Outcomes. *Circulation*, **2020**, 142, 1351-1360	16.7	16
111	Perioperative Exposure to Suspect Neurotoxicants From Medical Devices in Newborns With Congenital Heart Defects. *Annals of Thoracic Surgery*, **2019**, 107, 567-572	2.7	16
110	Usefulness of insulin like growth factor 1 as a marker of heart failure in children and young adults after the Fontan palliation procedure. *American Journal of Cardiology*, **2015**, 115, 816-20	3	15
109	Hemodynamics and axial strain additively increase matrix remodeling and MMP-9, but not MMP-2, expression in arteries engineered by directed remodeling. *Tissue Engineering - Part A*, **2009**, 15, 1281-90	3.9	15
108	Use of modified ultrafiltration after repair of congenital heart defects. *Pediatric Cardiac Surgery Annual*, **1998**, 1, 81-90	2.1	15
107	Unplanned Readmission to the Pediatric Cardiac Intensive Care Unit: Prevalence, Outcomes, and Risk Factors. *World Journal for Pediatric & Congenital Heart Surgery*, **2015**, 6, 597-603	1.1	14

106	Management of sinus venosus defects. *Pediatric Cardiac Surgery Annual*, **2006**, 35-9	2.1	14
105	Modified ultrafiltration may not improve neurologic outcome following deep hypothermic circulatory arrest. *European Journal of Cardio-thoracic Surgery*, **2003**, 24, 243-8	3	14
104	Seminal Postoperative Complications and Mode of Death After Pediatric Cardiac Surgical Procedures. *Annals of Thoracic Surgery*, **2016**, 102, 628-35	2.7	14
103	Congenital Heart Surgery Case Mix Across North American Centers and Impact on Performance Assessment. *Annals of Thoracic Surgery*, **2016**, 102, 1580-1587	2.7	14
102	Non-invasive optical neuromonitoring of the temperature-dependence of cerebral oxygen metabolism during deep hypothermic cardiopulmonary bypass in neonatal swine. *Journal of Cerebral Blood Flow and Metabolism*, **2020**, 40, 187-203	7.3	14
101	Development of a Congenital Heart Surgery Composite Quality Metric: Part 2-Analytic Methods. *Annals of Thoracic Surgery*, **2019**, 107, 590-596	2.7	13
100	Behavior and Quality of Life at 6 Years for Children With Hypoplastic Left Heart Syndrome. *Pediatrics*, **2019**, 144,	7.4	13
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