

Andrew N Redington

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266
papers

14,606
citations

60
h-index

113
g-index

286
ext. papers

16,492
ext. citations

5.4
avg, IF

6.27
L-index

#	Paper	IF	Citations
266	Risk factors for arrhythmia and sudden cardiac death late after repair of tetralogy of Fallot: a multicentre study. <i>Lancet, The</i> , 2000 , 356, 975-81	40	1269
265	Remote ischaemic conditioning before hospital admission, as a complement to angioplasty, and effect on myocardial salvage in patients with acute myocardial infarction: a randomised trial. <i>Lancet, The</i> , 2010 , 375, 727-34	40	773
264	Mechanoelectrical interaction in tetralogy of Fallot. QRS prolongation relates to right ventricular size and predicts malignant ventricular arrhythmias and sudden death. <i>Circulation</i> , 1995 , 92, 231-7	16.7	526
263	Randomized controlled trial of the effects of remote ischemic preconditioning on children undergoing cardiac surgery: first clinical application in humans. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 2277-82	15.1	439
262	Remote ischemic conditioning. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 177-95	15.1	391
261	Validation of myocardial acceleration during isovolumic contraction as a novel noninvasive index of right ventricular contractility: comparison with ventricular pressure-volume relations in an animal model. <i>Circulation</i> , 2002 , 105, 1693-9	16.7	371
260	Management of grown up congenital heart disease. <i>European Heart Journal</i> , 2003 , 24, 1035-84	9.5	345
259	Tetralogy of Fallot. <i>Lancet, The</i> , 2009 , 374, 1462-71	40	314
258	Right ventricular diastolic function 15 to 35 years after repair of tetralogy of Fallot. Restrictive physiology predicts superior exercise performance. <i>Circulation</i> , 1995 , 91, 1775-81	16.7	280
257	The remote ischemic preconditioning stimulus modifies inflammatory gene expression in humans. <i>Physiological Genomics</i> , 2004 , 19, 143-50	3.6	264
256	Transient limb ischaemia remotely preconditions through a humoral mechanism acting directly on the myocardium: evidence suggesting cross-species protection. <i>Clinical Science</i> , 2009 , 117, 191-200	6.5	226
255	Improved long-term clinical outcomes in patients with ST-elevation myocardial infarction undergoing remote ischaemic conditioning as an adjunct to primary percutaneous coronary intervention. <i>European Heart Journal</i> , 2014 , 35, 168-75	9.5	212
254	Right versus left ventricular failure: differences, similarities, and interactions. <i>Circulation</i> , 2014 , 129, 1033-44	16.7	199
253	Characterization of right ventricular diastolic performance after complete repair of tetralogy of Fallot. Restrictive physiology predicts slow postoperative recovery. <i>Circulation</i> , 1995 , 91, 1782-9	16.7	197
252	Remote ischemic perconditioning as an adjunct therapy to thrombolysis in patients with acute ischemic stroke: a randomized trial. <i>Stroke</i> , 2014 , 45, 159-67	6.7	193
251	Ischaemic conditioning and targeting reperfusion injury: a 30-year voyage of discovery. <i>Basic Research in Cardiology</i> , 2016 , 111, 70	11.8	192
250	Noninvasive assessment of left ventricular force-frequency relationships using tissue Doppler-derived isovolumic acceleration: validation in an animal model. <i>Circulation</i> , 2003 , 107, 1647-52	16.7	180

249	Translation of remote ischaemic preconditioning into clinical practice. <i>Lancet, The</i> , 2009 , 374, 1557-65	40	179
248	MicroRNA-144 is a circulating effector of remote ischemic preconditioning. <i>Basic Research in Cardiology</i> , 2014 , 109, 423	11.8	177
247	Remote ischemic preconditioning of the recipient reduces myocardial ischemia-reperfusion injury of the denervated donor heart via a Katp channel-dependent mechanism. <i>Transplantation</i> , 2005 , 79, 1691-5	11.8	153
246	Cardiopulmonary interactions after Fontan operations: augmentation of cardiac output using negative pressure ventilation. <i>Circulation</i> , 1997 , 96, 3934-42	16.7	146
245	Systemic ventricular function in patients with transposition of the great arteries after atrial repair: a tissue Doppler and conductance catheter study. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 100-6	15.1	143
244	Repeated remote ischemic postconditioning protects against adverse left ventricular remodeling and improves survival in a rat model of myocardial infarction. <i>Circulation Research</i> , 2011 , 108, 1220-5	15.7	134
243	Ambulatory blood pressure, left ventricular mass, and conduit artery function late after successful repair of coarctation of the aorta. <i>Journal of the American College of Cardiology</i> , 2003 , 41, 2259-65	15.1	134
242	Ventricular arrhythmias and sudden death in adults after a Mustard operation for transposition of the great arteries. <i>European Heart Journal</i> , 2009 , 30, 1873-9	9.5	127
241	Remote preconditioning improves maximal performance in highly trained athletes. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 1280-6	1.2	124
240	Acute right ventricular dilatation in response to ischemia significantly impairs left ventricular systolic performance. <i>Circulation</i> , 1999 , 100, 761-7	16.7	119
239	Thromboembolism after the Fontan procedure and its modifications. <i>Annals of Thoracic Surgery</i> , 1994 , 58, 1409-13; discussion 1413-4	2.7	119
238	Depolarization-repolarization inhomogeneity after repair of tetralogy of Fallot. The substrate for malignant ventricular tachycardia?. <i>Circulation</i> , 1997 , 95, 401-4	16.7	117
237	Regional wall motion and abnormalities of electrical depolarization and repolarization in patients after surgical repair of tetralogy of Fallot. <i>Circulation</i> , 2001 , 103, 1669-73	16.7	115
236	Remote ischemic preconditioning decreases adhesion and selectively modifies functional responses of human neutrophils. <i>Journal of Surgical Research</i> , 2010 , 158, 155-61	2.5	111
235	Remote ischemic per-conditioning: a novel therapy for acute stroke?. <i>Stroke</i> , 2011 , 42, 2960-2	6.7	102
234	The remote ischemic preconditioning stimulus modifies gene expression in mouse myocardium. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 130, 1326-32	1.5	101
233	The effects of changes in loading conditions and modulation of inotropic state on the myocardial performance index: comparison with conductance catheter measurements. <i>European Heart Journal</i> , 2004 , 25, 2238-42	9.5	100
232	Fetal origins of reduced arterial distensibility in the donor twin in twin-twin transfusion syndrome. <i>Lancet, The</i> , 2000 , 355, 1157-8	40	100

231	Should atrial septal defects in adults be closed?. <i>Annals of Thoracic Surgery</i> , 1996 , 61, 657-9	2.7	100
230	Relationship between type of outflow tract repair and postoperative right ventricular diastolic physiology in tetralogy of Fallot. Implications for long-term outcome. <i>Circulation</i> , 1996 , 94, 3276-80	16.7	96
229	The impact of changing medical therapy on transplantation-free survival in pediatric dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1377-84	15.1	90
228	Refining the assessment of pulmonary regurgitation in adults after tetralogy of Fallot repair: should we be measuring regurgitant fraction or regurgitant volume?. <i>European Heart Journal</i> , 2009 , 30, 356-61	9.5	86
227	Adverse left ventricular mechanics in adults with repaired tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2009 , 103, 420-5	3	85
226	The aortic root in supraaortic stenosis: the potential surgical relevance of morphologic findings. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997 , 114, 16-24	1.5	84
225	Validation of a new intraoperative technique to evaluate load-independent indices of right ventricular performance in patients undergoing cardiac operations. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 116, 468-76	1.5	83
224	Remote ischemic conditioning: evolution of the concept, mechanisms, and clinical application. <i>Journal of Cardiac Surgery</i> , 2010 , 25, 127-34	1.3	82
223	Differential regurgitation in branch pulmonary arteries after repair of tetralogy of Fallot: a phase-contrast cine magnetic resonance study. <i>Circulation</i> , 2003 , 107, 2938-43	16.7	82
222	Effect of carbon dioxide on systemic oxygenation, oxygen consumption, and blood lactate levels after bidirectional superior cavopulmonary anastomosis. <i>Critical Care Medicine</i> , 2005 , 33, 984-9	1.4	80
221	Initial experience with hybrid palliation for neonates with single-ventricle physiology. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1294-300	2.7	79
220	Increased airway pressure and simulated branch pulmonary artery stenosis increase pulmonary regurgitation after repair of tetralogy of Fallot. Real-time analysis with a conductance catheter technique. <i>Circulation</i> , 1997 , 95, 643-9	16.7	79
219	Pulmonary vascular resistance after cardiopulmonary bypass in infants: effect on postoperative recovery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 121, 1033-9	1.5	78
218	Borderline hypoplasia of the left ventricle in neonates: insights for decision-making from functional assessment with magnetic resonance imaging. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 136, 1429-36	1.5	75
217	Anatomical and functional evaluation of pulmonary veins in children by magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 993-1002	15.1	75
216	Cardiorespiratory responses to negative pressure ventilation after tetralogy of fallot repair: a hemodynamic tool for patients with a low-output state. <i>Journal of the American College of Cardiology</i> , 1999 , 33, 549-55	15.1	73
215	Intravenous miR-144 reduces left ventricular remodeling after myocardial infarction. <i>Basic Research in Cardiology</i> , 2018 , 113, 36	11.8	70
214	Effect of inhaled hydrogen sulfide on metabolic responses in anesthetized, paralyzed, and mechanically ventilated piglets. <i>Pediatric Critical Care Medicine</i> , 2008 , 9, 110-2	3	69

213	Adverse effects of dopamine on systemic hemodynamic status and oxygen transport in neonates after the Norwood procedure. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 1859-64	15.1	66
212	Comparison of cardiopulmonary adaptation during exercise in children after the atriopulmonary and total cavopulmonary connection Fontan procedures. <i>Circulation</i> , 1995 , 91, 372-8	16.7	66
211	Acute right ventricular restrictive physiology after repair of tetralogy of Fallot: association with myocardial injury and oxidative stress. <i>Circulation</i> , 1999 , 100, 1540-7	16.7	65
210	Myocardial contractility is not constant during spontaneous atrial fibrillation in patients. <i>Circulation</i> , 1998 , 98, 1762-8	16.7	64
209	Energy expenditure and caloric and protein intake in infants following the Norwood procedure. <i>Pediatric Critical Care Medicine</i> , 2008 , 9, 55-61	3	62
208	Biventricular structural and functional responses to aortic constriction in a rabbit model of chronic right ventricular pressure overload. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 1494-501	1.5	60
207	Oxygen consumption after cardiopulmonary bypass surgery in children: determinants and implications. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000 , 119, 525-33	1.5	60
206	Modified ultrafiltration improves global left ventricular systolic function after open-heart surgery in infants and children. <i>European Journal of Cardio-thoracic Surgery</i> , 1999 , 15, 742-6	3	60
205	Measured versus estimated oxygen consumption in ventilated patients with congenital heart disease: the validity of predictive equations. <i>Critical Care Medicine</i> , 2003 , 31, 1235-40	1.4	58
204	Adverse biventricular remodeling in isolated right ventricular hypertension is mediated by increased transforming growth factor- β signaling and is abrogated by angiotensin receptor blockade. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 1019-28	5.7	56
203	Left ventricular dysfunction after open repair of simple congenital heart defects in infants and children: quantitation with the use of a conductance catheter immediately after bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 77-83	1.5	56
202	Antegrade diastolic pulmonary arterial flow as a marker of right ventricular restriction after complete repair of pulmonary atresia with intact septum and critical pulmonary valvar stenosis. <i>Cardiology in the Young</i> , 1992 , 2, 382-386	1	56
201	Three-dimensional echocardiography improves the understanding of the mechanisms and site of left atrioventricular valve regurgitation in atrioventricular septal defect. <i>Journal of the American Society of Echocardiography</i> , 2006 , 19, 1502-10	5.8	54
200	Diffuse myocardial fibrosis following tetralogy of Fallot repair: a T1 mapping cardiac magnetic resonance study. <i>Pediatric Radiology</i> , 2014 , 44, 403-9	2.8	53
199	Effect of chronic right ventricular volume overload on ventricular interaction in patients after tetralogy of Fallot repair. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 896-902	5.8	52
198	Pulmonary vein stenosis of ex-premature infants with pulmonary hypertension and bronchopulmonary dysplasia, epidemiology, and survival from a multicenter cohort. <i>Pediatric Pulmonology</i> , 2017 , 52, 1063-1070	3.5	51
197	Aortopulmonary collateral flow volume affects early postoperative outcome after Fontan completion: a multimodality study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 1329-36	1.5	51
196	Association of Exercise Preconditioning With Immediate Cardioprotection: A Review. <i>JAMA Cardiology</i> , 2018 , 3, 169-176	16.2	51

195	Tbx5-dependent pathway regulating diastolic function in congenital heart disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5519-24	11.5	50
194	Late complications of repair of tetralogy of Fallot and indications for pulmonary valve replacement. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2005 , 17, 155-9	1.7	50
193	Determinants and assessment of pulmonary regurgitation in tetralogy of Fallot: practice and pitfalls. <i>Cardiology Clinics</i> , 2006 , 24, 631-9, vii	2.5	50
192	Physiopathology of right ventricular failure. <i>Pediatric Cardiac Surgery Annual</i> , 2006 , 3-10	2.1	49
191	Evolution of the arterial structure and function from infancy to adolescence is related to anthropometric and blood pressure changes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2516-24	9.4	48
190	Assessment of the evolution of normal fetal diastolic function during mid and late gestation by spectral Doppler tissue echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2006 , 19, 1431-7	5.8	46
189	Spontaneous breathing through an inspiratory impedance threshold device augments cardiac index and stroke volume index in a pediatric porcine model of hemorrhagic hypovolemia. <i>Critical Care Medicine</i> , 2004 , 32, S398-405	1.4	46
188	Interaction of α and β opioid receptors with adenosine A1 receptors mediates cardioprotection by remote ischemic preconditioning. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 60, 142-50	5.8	45
187	Impact of Pulmonary Hemodynamics and Ventricular Interdependence on Left Ventricular Diastolic Function in Children With Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	44
186	Remote ischemic preconditioning in children undergoing cardiac surgery with cardiopulmonary bypass: a single-center double-blinded randomized trial. <i>Journal of the American Heart Association</i> , 2014 , 3,	6	44
185	How is pulmonary arterial blood flow affected by pulmonary venous obstruction in children? A phase-contrast magnetic resonance study. <i>Pediatric Radiology</i> , 2005 , 35, 580-6	2.8	44
184	The left heart after pulmonary valve replacement in adults late after tetralogy of Fallot repair. <i>International Journal of Cardiology</i> , 2012 , 160, 165-70	3.2	43
183	Beneficial effects of vasopressors on right ventricular function in experimental acute right ventricular failure in a rabbit model. <i>Thoracic and Cardiovascular Surgeon</i> , 2012 , 60, 17-23	1.6	43
182	Disruption of the ventricular myocardial force-frequency relationship after cardiac surgery in children: noninvasive assessment by means of tissue Doppler imaging. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 625-31	1.5	43
181	Noradrenaline use in the human donor and relationship with load-independent right ventricular contractility. <i>Transplantation</i> , 2004 , 78, 1193-7	1.8	43
180	Epinephrine increases mortality after brief asphyxial cardiac arrest in an in vivo rat model. <i>Anesthesia and Analgesia</i> , 2006 , 102, 542-8	3.9	42
179	The endothelin antagonist BQ123 reduces pulmonary vascular resistance after surgical intervention for congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002 , 124, 435-41	1.5	42
178	Right ventricular function. <i>Cardiology Clinics</i> , 2002 , 20, 341-9, v	2.5	42

177	Right ventricular diastolic performance in children with pulmonary arterial hypertension associated with congenital heart disease: correlation of echocardiographic parameters with invasive reference standards by high-fidelity micromanometer catheter. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 491-501	3.9	41
176	The failing right ventricle in congenital heart disease. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 768-78	3.8	41
175	Differential effect of right ventricular dilatation on myocardial deformation in patients with atrial septal defects and patients after tetralogy of Fallot repair. <i>International Journal of Cardiology</i> , 2013 , 168, 803-10	3.2	41
174	Remote ischemic preconditioning elaborates a transferable blood-borne effector that protects mitochondrial structure and function and preserves myocardial performance after neonatal cardioplegic arrest. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 136, 335-42	1.5	41
173	The physiology of the Fontan circulation. <i>Progress in Pediatric Cardiology</i> , 2006 , 22, 179-186	0.4	41
172	Left Ventricular Myocardial Function in Children With Pulmonary Hypertension: Relation to Right Ventricular Performance and Hemodynamics. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	40
171	Remote cardioprotection by transfer of coronary effluent from ischemic preconditioned rabbit heart preserves mitochondrial integrity and function via adenosine receptor activation. <i>Cardiovascular Drugs and Therapy</i> , 2014 , 28, 7-17	3.9	40
170	Acute, delayed and chronic remote ischemic conditioning is associated with downregulation of mTOR and enhanced autophagy signaling. <i>PLoS ONE</i> , 2014 , 9, e111291	3.7	40
169	Genetic determinants of right-ventricular remodeling after tetralogy of Fallot repair. <i>Pediatric Research</i> , 2012 , 72, 407-13	3.2	39
168	Myocardial T1 mapping in pediatric and congenital heart disease. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e002504	3.9	38
167	Isovolumic acceleration at rest and during exercise in children normal values for the left ventricle and first noninvasive demonstration of exercise-induced force-frequency relationships. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1100-7	15.1	38
166	Airway pressure release ventilation improves pulmonary blood flow in infants after cardiac surgery. <i>Critical Care Medicine</i> , 2011 , 39, 2599-604	1.4	37
165	Acute and chronic remote ischemic conditioning attenuate septic cardiomyopathy, improve cardiac output, protect systemic organs, and improve mortality in a lipopolysaccharide-induced sepsis model. <i>Basic Research in Cardiology</i> , 2019 , 114, 15	11.8	36
164	Transcutaneous very-high-resolution ultrasound to quantify arterial wall layers of muscular and elastic arteries: validation of a method. <i>Atherosclerosis</i> , 2010 , 212, 516-23	3.1	35
163	The early response of the systemic ventricle during transition to the Fontan circulation—An acute hypertrophic cardiomyopathy?. <i>Cardiology in the Young</i> , 1992 , 2, 78-84	1	35
162	Phenotype, management and predictors of outcome in a large cohort of adult congenital heart disease patients with heart failure. <i>International Journal of Cardiology</i> , 2018 , 252, 80-87	3.2	34
161	Determinants and functional impact of restrictive physiology after repair of tetralogy of Fallot: new insights from magnetic resonance imaging. <i>International Journal of Cardiology</i> , 2013 , 167, 1347-53	3.2	32
160	Pathophysiology and management of heart failure in repaired congenital heart disease. <i>Heart Failure Clinics</i> , 2010 , 6, 497-506, ix	3.3	32

159	Electroacupuncture reduces myocardial infarct size and improves post-ischemic recovery by invoking release of humoral, dialyzable, cardioprotective factors. <i>Journal of Physiological Sciences</i> , 2013 , 63, 219-23	2.3	31
158	Inclusion of oxygen consumption improves the accuracy of arterial and venous oxygen saturation interpretation after the Norwood procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 1099-107	1.5	31
157	Subclavian flap angioplasty: does the arch look after itself?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000 , 120, 224-9	1.5	31
156	Cardiac Networks United: an integrated paediatric and congenital cardiovascular research and improvement network. <i>Cardiology in the Young</i> , 2019 , 29, 111-118	1	31
155	Percutaneous left ventricular "vent" insertion for left heart decompression during extracorporeal membrane oxygenation. <i>Pediatric Critical Care Medicine</i> , 2003 , 4, 447-9	3	30
154	The relationship of the outlet septum to the aortic outflow tract in hearts with interruption of the aortic arch. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1995 , 109, 1225-36	1.5	30
153	Diastolic ventricular function after the Fontan operation. <i>American Journal of Cardiology</i> , 1992 , 69, 974-5		30
152	Exercise echocardiography demonstrates biventricular systolic dysfunction and reveals decreased left ventricular contractile reserve in children after tetralogy of Fallot repair. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 294-301	5.8	29
151	Carbon dioxide--a complex gas in a complex circulation: its effects on systemic hemodynamics and oxygen transport, cerebral, and splanchnic circulation in neonates after the Norwood procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 136, 1207-14	1.5	29
150	Structural and functional alterations of the right ventricle are common in adults operated for ventricular septal defect as toddlers. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 483-9	4.1	28
149	The Significance of the Interleaflet Triangles in Determining the Morphology of Congenitally Abnormal Aortic Valves: Implications for Noninvasive Imaging and Surgical Management. <i>Journal of the American Society of Echocardiography</i> , 2016 , 29, 1131-1143	5.8	27
148	Clinical application of the conductance catheter technique in the adult human right ventricle. <i>International Journal of Cardiology</i> , 1997 , 58, 211-21	3.2	27
147	Exercise capacity and biventricular function in adult patients with repaired tetralogy of Fallot. <i>American Heart Journal</i> , 2008 , 156, 100-5	4.9	27
146	Brain death leads to abnormal contractile properties of the human donor right ventricle. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 116-23	1.5	26
145	Transposition complexes in the adult: a changing perspective. <i>Cardiology Clinics</i> , 2002 , 20, 405-20	2.5	26
144	Laser or radiofrequency pulmonary valvotomy in neonates with pulmonary atresia and intact ventricular septum--Description of a new method avoiding arterial catheterization. <i>Cardiology in the Young</i> , 1992 , 2, 387-390	1	26
143	Patterns of cardiac and extracardiac anomalies in adults with tetralogy of fallot. <i>American Heart Journal</i> , 2011 , 161, 131-7	4.9	25
142	Pharmacokinetic and hemodynamic responses to oral sildenafil during invasive testing in children with pulmonary hypertension. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1456-62	15.1	25

141	An analysis of oxygen consumption and oxygen delivery in euthermic infants after cardiopulmonary bypass with modified ultrafiltration. <i>Annals of Thoracic Surgery</i> , 2004 , 78, 1389-96	2.7	25
140	A case for anatomic correction in atrioventricular discordance? Effects of surgery on tricuspid valve function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 121, 1040-5	1.5	25
139	Anatomical factors determining surgical decision-making in patients with transposition of the great arteries with left ventricular outflow tract obstruction. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 44, 1085-94; discussion 1094	3	24
138	Recommendations of the British Paediatric Cardiac Association for therapeutic cardiac catheterisation in congenital cardiac disease. <i>Cardiology in the Young</i> , 2000 , 10, 649-67	1	24
137	Inferior sinus venosus defect: echocardiographic diagnosis and surgical approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 1349-55	1.5	23
136	Cardiac complications in children following infection with varicella zoster virus. <i>Cardiology in the Young</i> , 2001 , 11, 647-52	1	23
135	Cardiac innervation in acute myocardial ischaemia/reperfusion injury and cardioprotection. <i>Cardiovascular Research</i> , 2019 , 115, 1167-1177	9.9	22
134	Renin-angiotensin-aldosterone system genotype and serum BNP in a contemporary cohort of adults late after Fontan palliation. <i>International Journal of Cardiology</i> , 2015 , 197, 209-15	3.2	22
133	Images in cardiovascular medicine. Rupture of aneurysm of the right sinus of Valsalva into the right ventricular outflow tract: treatment with Amplatzer atrial septal occluder. <i>Circulation</i> , 2002 , 105, E1-2	16.7	22
132	Heterotrissy, a significant contributing factor to ventricular septal defect associated with Down syndrome?. <i>Human Genetics</i> , 2000 , 107, 476-82	6.3	22
131	Fontan Failure and Death in Contemporary Fontan Circulation: Analysis From the Last Two Decades. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 1240-1247	2.7	21
130	Disrupted right ventricular force-frequency relationships in adults operated for ventricular septal defect as toddlers: abnormal peak force predicts peak oxygen uptake during exercise. <i>International Journal of Cardiology</i> , 2014 , 177, 918-24	3.2	21
129	The energy metabolism in the right and left ventricles of human donor hearts across transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2003 , 23, 503-12	3	21
128	Aortic atresia with aortopulmonary window and interruption of the aortic arch. <i>Pediatric Cardiology</i> , 1991 , 12, 49-51	2.1	21
127	Stenting of aortopulmonary collaterals in complex pulmonary atresia. <i>Circulation</i> , 1996 , 94, 2479-84	16.7	21
126	Remote conditioning the heart overview: translatability and mechanism. <i>British Journal of Pharmacology</i> , 2015 , 172, 1947-60	8.6	20
125	Assessment of vascular remodeling after the Fontan procedure using a novel very high resolution ultrasound method: arterial wall thinning and venous thickening in late follow-up. <i>Heart and Vessels</i> , 2013 , 28, 66-75	2.1	20
124	Images in cardiovascular medicine. Recovery of left ventricular systolic function after biventricular resynchronization pacing in a child with repaired tetralogy of Fallot and severe biventricular dysfunction. <i>Circulation</i> , 2006 , 113, e691-2	16.7	20

123	The effect of changing excitation frequency on parallel conductance in different sized hearts. <i>Cardiovascular Research</i> , 1998 , 38, 668-75	9.9	20
122	Congenital stenosis of pulmonary veins failure to modify natural history by intraoperative placement of stents. <i>Cardiology in the Young</i> , 1994 , 4, 395-398	1	20
121	Heart University: a new online educational forum in paediatric and adult congenital cardiac care. The future of virtual learning in a post-pandemic world?. <i>Cardiology in the Young</i> , 2020 , 30, 560-567	1	19
120	The Forgotten Ventricle? The Left Ventricle in Right-Sided Congenital Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007410	3.9	19
119	Rationale and design of the Canadian Outcomes Registry Late After Tetralogy of Fallot Repair: the CORRELATE study. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1436-43	3.8	19
118	Quantification and significance of diffuse myocardial fibrosis and diastolic dysfunction in childhood hypertrophic cardiomyopathy. <i>Pediatric Cardiology</i> , 2015 , 36, 970-8	2.1	19
117	Morphological features of the levoatriocardinal (or pulmonary-to-systemic collateral) vein. <i>Pediatric Pathology</i> , 1993 , 13, 751-61		19
116	Ventilation with external high frequency oscillation around a negative baseline increases pulmonary blood flow after the Fontan operation. <i>Cardiology in the Young</i> , 1992 , 2, 277-280	1	19
115	Insulin resistance and inflammation are a cause of hyperglycemia after pediatric cardiopulmonary bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 498-504.e1	1.5	18
114	Annulus-Sparing Tetralogy of Fallot Repair: Low Risk and Benefits to Right Ventricular Geometry. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 822-829	2.7	18
113	Computerized Automatic Diagnosis of Innocent and Pathologic Murmurs in Pediatrics: A Pilot Study. <i>Congenital Heart Disease</i> , 2016 , 11, 386-395	3.1	18
112	Loss of miR-144 signaling interrupts extracellular matrix remodeling after myocardial infarction leading to worsened cardiac function. <i>Scientific Reports</i> , 2018 , 8, 16886	4.9	18
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55	Arterial complications associated with cardiac catheterization in pediatric patients with a previous history of Kawasaki disease. <i>Catheterization and Cardiovascular Interventions</i> , 2009 , 73, 809-13	2.7	5
54	Outcome of surgical approaches to the hypoplastic left heart syndrome. <i>Cardiology in the Young</i> , 1997 , 7, 242-244	1	5
53	Continuous measurement of oxygen consumption during cardiopulmonary bypass: description of the method and in vivo observations. <i>Annals of Thoracic Surgery</i> , 2004 , 77, 1671-7	2.7	5
52	Pulmonary artery occlusion from tuberculous lymphadenopathy in a child. <i>Pediatric Pulmonology</i> , 2001 , 31, 311-3	3.5	5

51	Acoustic droplet vaporization-mediated dissolved oxygen scavenging in blood-mimicking fluids, plasma, and blood. <i>Ultrasonics Sonochemistry</i> , 2019 , 56, 114-124	8.9	4
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47	Evidence for a significant myocardial contribution to total metabolic burden during hypothermic cardiopulmonary bypass: a study of continuously measured oxygen consumption and arterial lactate levels in pigs. <i>Perfusion (United Kingdom)</i> , 2005 , 20, 277-83	1.9	4
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40	A rabbit model of progressive chronic right ventricular pressure overload. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 26, 673-680	1.8	3
39	Inotropic therapy for right ventricular failure in newborn piglets: effect on contractility, hemodynamics, and interventricular interaction. <i>Pediatric Critical Care Medicine</i> , 2014 , 15, e327-33	3	3
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35	Balloon dilation of aortic coarctation. <i>American Heart Journal</i> , 1993 , 126, 1492-3	4.9	3
34	Color flow mapping in atrioventricular septal defects: does it have an important role in diagnosis and management?. <i>Cardiology in the Young</i> , 1991 , 1, 315-323	1	3

33	Juxtaductal aortic atresia masquerading as coarctation. <i>Pediatric Cardiology</i> , 1993 , 14, 191-3	2.1	3
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30	Reduced biventricular contractility during exercise in adults with small, unrepaired ventricular septal defects: an echocardiographic study. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 574-580	5.8	2
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28	Reply to letter "Leveraging e-learning for medical education in low- and middle-income countries". <i>Cardiology in the Young</i> , 2020 , 30, 905-906	1	2
27	Tetralogy of Fallot and Pulmonary Atresia with Ventricular Septal Defect 2012 , 590-608		2
26	Doing the right thing at the right time: is there more to pulmonary valve replacement than meets the eye?. <i>European Heart Journal</i> , 2009 , 30, 2076-8	9.5	2
25	From mesothelioma to cardiovascular protection via the phosphoinositide-3 kinase pathway: a new vista in cardiothoracic surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 509-10; author reply 510	1.5	2
24	Assessment of myocardial ventricular function in donor hearts: is isovolumic acceleration measured by tissue Doppler the Holy Grail?. <i>Journal of Heart and Lung Transplantation</i> , 2004 , 23, S253-6	5.8	2
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21	Hidden burden of arrhythmias in patients with small atrial septal defects: a nationwide study. <i>Open Heart</i> , 2019 , 6, e001056	3	2
20	Optimal timing of the Ross procedure in the management of chronic aortic incompetence in the young. <i>Cardiology in the Young</i> , 2003 , 13, 253-7	1	2
19	Remote Ischemic Conditioning: The Commercial Market? CellAegis Perspective. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2017 , 22, 404-407	2.6	1
18	Dissolved Oxygen Scavenging by Acoustic Droplet Vaporization using Intravascular Ultrasound. <i>Ultrasonics Symposium (IUS), 2009 IEEE International</i> , 2017 , 2017,	0.8	1
17	Commentary on "Direct comparison of magnetic resonance imaging and conductance microcatheter in the evaluation of left ventricular function in mice" by Jacoby et al. in <i>Basic Res Cardiol</i> 101:87-95 (2006). <i>Basic Research in Cardiology</i> , 2006 , 101, 96-7; author reply 98-9	11.8	1
16	Images in cardiovascular medicine. Multislice computed tomography in complex pulmonary atresia after stent implantation. <i>Circulation</i> , 2004 , 110, e299-300	16.7	1

15	Left atrial enlargement in infancy secondary to a fistula from the proximal left coronary artery. <i>Cardiology in the Young</i> , 1999 , 9, 228-9	1	1
14	Neonatal postductal coarctation of the aorta Doppler characteristics of aortic and ductal blood flow. <i>Cardiology in the Young</i> , 1993 , 3, 164-165	1	1
13	Loss of TLR4 in a murine model of left anterior descending myocardial infarction modifies early remodeling, but does not provide long-term benefit. <i>International Journal of Cardiology</i> , 2016 , 212, 118-20	3.2	1
12	Atg5 knockdown induces age-dependent cardiomyopathy which can be rescued by repeated remote ischemic conditioning. <i>Basic Research in Cardiology</i> , 2021 , 116, 47	11.8	1
11	Pulmonary atresia with intact ventricular septum a continuing challenge for both cardiologist and surgeon. <i>Cardiology in the Young</i> , 1992 , 2, 304-307	1	0
10	Remote Ischemic Preconditioning and Postoperative Renal Dysfunction. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1519-20	27.4	
9	Oxygen Delivery and Consumption Are Independent: Evidence from Venoarterial Extracorporeal Membrane Oxygenation in Resuscitated Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 765-7	10.2	
8	In collaboration with the Canadian Critical Care Society, the Canadian Journal of Anesthesia is proud to publish the best posters presented at the Toronto Critical Care Medicine Symposium 2003 (Adult and Pediatric) held in Toronto, Ontario, October 30 [November 1, 2003. <i>Canadian Journal of Anaesthesia</i> , 2004 , 51, A1-A8	3	
7	Ectopic accessory liver masquerading as spleen in a case with isomerism of the right atrial appendages. <i>Cardiology in the Young</i> , 1993 , 3, 43-46	1	
6	Editorial comment: tetralogy of Fallot. <i>International Journal of Cardiology</i> , 1992 , 37, 337-338	3.2	
5	Left Atrial Strain in the Repaired Tetralogy of Fallot Population: Comparisons to Biventricular Function, Native T1 Values, Exercise Parameters and Healthy Controls. <i>Pediatric Cardiology</i> , 2021 , 42, 1102-1110	2.1	
4	Ventricular force-frequency relationships during biventricular or multisite pacing in congenital heart disease. <i>Congenital Heart Disease</i> , 2019 , 14, 201-206	3.1	
3	Commentary: Late adverse outcomes of the Fontan circulation: A PLEa for standardization of diagnostic criteria. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 2167-2168	1.5	
2	Commentary: Invasive, but indispensable: Hemodynamic assessment to comprehend interventricular interactions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	
1	Commentary: Aspirin versus warfarin in patients with a Fontan circulation-the clot thickens. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 162, 1231-1233	1.5	