

Felix Berger

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1380136/felix-berger-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

332
papers

8,668
citations

51
h-index

78
g-index

346
ext. papers

10,137
ext. citations

3.9
avg. IF

5.64
L-index

#	Paper	IF	Citations
332	Mutations in sarcomere protein genes in left ventricular noncompaction. <i>Circulation</i> , 2008 , 117, 2893-9016	16.7	343
331	Remodelling of the right ventricle after early pulmonary valve replacement in children with repaired tetralogy of Fallot: assessment by cardiovascular magnetic resonance. <i>European Heart Journal</i> , 2005 , 26, 2721-7	9.5	239
330	Percutaneous pulmonary valve implantation: two-centre experience with more than 100 patients. <i>European Heart Journal</i> , 2011 , 32, 1260-5	9.5	219
329	Distinct genetic architectures for syndromic and nonsyndromic congenital heart defects identified by exome sequencing. <i>Nature Genetics</i> , 2016 , 48, 1060-5	36.3	200
328	Comparison of results and complications of surgical and Amplatzer device closure of atrial septal defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1999 , 118, 674-8; discussion 678-80	1.5	183
327	Transcatheter closure as standard treatment for most interatrial defects: experience in 200 patients treated with the Amplatzer Septal Occluder. <i>Cardiology in the Young</i> , 1999 , 9, 468-73	1	172
326	Percutaneous tricuspid valve replacement in congenital and acquired heart disease. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 117-22	15.1	147
325	First experiences with the HeartWare ventricular assist system in children. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1256-60	2.7	135
324	Sarcomere gene mutations in isolated left ventricular noncompaction cardiomyopathy do not predict clinical phenotype. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 367-74		133
323	Covered Cheatham-platinum stents for aortic coarctation: early and intermediate-term results. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 1457-63	15.1	130
322	Transcatheter Tricuspid Valve-in-Valve Implantation for the Treatment of Dysfunctional Surgical Bioprosthetic Valves: An International, Multicenter Registry Study. <i>Circulation</i> , 2016 , 133, 1582-93	16.7	128
321	Fine mapping of the 1p36 deletion syndrome identifies mutation of PRDM16 as a cause of cardiomyopathy. <i>American Journal of Human Genetics</i> , 2013 , 93, 67-77	11	127
320	Incidence of atrial flutter/fibrillation in adults with atrial septal defect before and after surgery. <i>Annals of Thoracic Surgery</i> , 1999 , 68, 75-8	2.7	119
319	Mutations in the sarcomere gene MYH7 in Ebstein anomaly. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 43-50		114
318	Transcatheter closure of multiple atrial septal defects. Initial results and value of two- and three-dimensional transoesophageal echocardiography. <i>European Heart Journal</i> , 2000 , 21, 941-7	9.5	106
317	Identification and functional analysis of CITED2 mutations in patients with congenital heart defects. <i>Human Mutation</i> , 2005 , 26, 575-82	4.7	101
316	Masked left ventricular restriction in elderly patients with atrial septal defects: a contraindication for closure?. <i>Catheterization and Cardiovascular Interventions</i> , 2001 , 52, 177-80	2.7	99

315	A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. <i>Journal of Medical Genetics</i> , 2010 , 47, 230-5	5.8	90
314	Physical models aiding in complex congenital heart surgery. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 273-7	2.7	90
313	Flow-sensitive four-dimensional cine magnetic resonance imaging for offline blood flow quantification in multiple vessels: a validation study. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 677-83	5.6	87
312	Computational modeling guides tissue-engineered heart valve design for long-term in vivo performance in a translational sheep model. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	83
311	Assessment of diffuse myocardial fibrosis in rats using small-animal Look-Locker inversion recovery T1 mapping. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 636-40	3.9	83
310	Tracheal tube-tip displacement in children during head-neck movement--a radiological assessment. <i>British Journal of Anaesthesia</i> , 2006 , 96, 486-91	5.4	79
309	Relationship of immunosuppression to Epstein-Barr viral load and lymphoproliferative disease in pediatric heart transplant patients. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 100-5	5.8	78
308	Mutations in GATA4, NKX2.5, CRELD1, and BMP4 are infrequently found in patients with congenital cardiac septal defects. <i>American Journal of Medical Genetics, Part A</i> , 2008 , 146A, 251-3	2.5	75
307	Optimal conduit size for extracardiac Fontan operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2000 , 18, 690-5	3	73
306	Anomalous origin of the left coronary artery from the pulmonary artery in adults. <i>Journal of Cardiac Surgery</i> , 1995 , 10, 309-15	1.3	72
305	Comparison of different near-infrared spectroscopic cerebral oxygenation indices with central venous and jugular venous oxygenation saturation in children. <i>Paediatric Anaesthesia</i> , 2008 , 18, 160-6	1.8	71
304	Results of transvenous occlusion of secundum atrial septal defects with the fourth generation buttoned device: comparison with first, second and third generation devices. International Buttoned Device Trial Group. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 583-92	15.1	71
303	Contraception in women with congenital heart disease. <i>American Journal of Cardiology</i> , 2010 , 106, 1317-21	3.1	70
302	MRI-based computational fluid dynamics for diagnosis and treatment prediction: clinical validation study in patients with coarctation of aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 909-16	5.6	68
301	Functional analysis of the components of the right ventricle in the setting of tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2008 , 1, 141-7	3.9	67
300	Current therapy and outcome of Eisenmenger syndrome: data of the German National Register for congenital heart defects. <i>European Heart Journal</i> , 2016 , 37, 1449-55	9.5	66
299	A modified repair technique for tricuspid incompetence in Ebstein's anomaly. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 857-68	1.5	66
298	Magnetic resonance imaging-guided balloon angioplasty of coarctation of the aorta: a pilot study. <i>Circulation</i> , 2006 , 113, 1093-100	16.7	66

297	A multicenter study of the HeartWare ventricular assist device in small children. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 679-81	5.8	65
296	Cardiac alpha-myosin (MYH6) is the predominant sarcomeric disease gene for familial atrial septal defects. <i>PLoS ONE</i> , 2011 , 6, e28872	3.7	64
295	Four-dimensional velocity-encoded magnetic resonance imaging improves blood flow quantification in patients with complex accelerated flow. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 208-16	5.6	63
294	Cardiac output measurement in children: comparison of the Ultrasound Cardiac Output Monitor with thermodilution cardiac output measurement. <i>Intensive Care Medicine</i> , 2008 , 34, 1060-4	14.5	63
293	The role of stents in the treatment of congenital heart disease: Current status and future perspectives. <i>Annals of Pediatric Cardiology</i> , 2009 , 2, 3-23	0.8	62
292	The practical clinical value of three-dimensional models of complex congenitally malformed hearts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 138, 571-80	1.5	62
291	Systemic-to-pulmonary collateral flow in patients with palliated univentricular heart physiology: measurement using cardiovascular magnetic resonance 4D velocity acquisition. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 25	6.9	60
290	Anomalous origin of the left coronary artery from the pulmonary artery: Early results with direct aortic reimplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1994 , 108, 354-362	1.5	60
289	Endocarditis After Transcatheter Pulmonary Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2717-2728	15.1	60
288	Single-center experience with treatment of cardiogenic shock in children by pediatric ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 616-23, 623.e1	1.5	58
287	Repair of anomalous origin of the left coronary artery from the pulmonary artery in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 868-74	1.5	57
286	Absence of pulmonary artery growth after fontan operation and its possible impact on late outcome. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 826-31	2.7	55
285	Diagnosis and treatment of post-transplantation lymphoproliferative disorder in pediatric heart transplant patients. <i>Pediatric Transplantation</i> , 2009 , 13, 54-62	1.8	53
284	Treatment of atrial septal defects in symptomatic children aged less than 2 years of age using the Amplatzer septal occluder. <i>Cardiology in the Young</i> , 2000 , 10, 534-7	1	53
283	Continuous, non-invasive techniques to determine cardiac output in children after cardiac surgery: evaluation of transesophageal Doppler and electric velocimetry. <i>Journal of Clinical Monitoring and Computing</i> , 2008 , 22, 299-307	2	52
282	Effects of moderate and deep hypothermia on RNA-binding proteins RBM3 and CIRP expressions in murine hippocampal brain slices. <i>Brain Research</i> , 2013 , 1504, 74-84	3.7	51
281	Hypothermia downregulates inflammation but enhances IL-6 secretion by stimulated endothelial cells. <i>Cryobiology</i> , 2008 , 57, 216-22	2.7	49
280	Pulmonary vascular resistance, collateral flow, and ventricular function in patients with a Fontan circulation at rest and during dobutamine stress. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 623-31	3.9	48

279	Characterization of TBX20 in human hearts and its regulation by TFAP2. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 1022-33	4.7	48
278	Pressure fields by flow-sensitive, 4D, velocity-encoded CMR in patients with aortic coarctation. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 920-6	8.4	47
277	Molecular genetics of congenital atrial septal defects. <i>Clinical Research in Cardiology</i> , 2010 , 99, 137-47	6.1	47
276	Methylprednisolone attenuates hypothermia- and rewarming-induced cytotoxicity and IL-6 release in isolated primary astrocytes, neurons and BV-2 microglia cells. <i>Neuroscience Letters</i> , 2006 , 404, 309-14	3.3	47
275	Clopidogrel in infants with systemic-to-pulmonary-artery shunts. <i>New England Journal of Medicine</i> , 2013 , 368, 2377-84	59.2	46
274	Integrated analysis of atrioventricular interactions in tetralogy of Fallot. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H364-71	5.2	46
273	Transcatheter Pulmonary Valve Replacement Reduces Tricuspid Regurgitation in Patients With Right Ventricular Volume/Pressure Overload. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1525-35	15.1	46
272	Contrast-enhanced magnetic resonance angiography of the great arteries in patients with congenital heart disease: an accurate tool for planning catheter-guided interventions. <i>International Journal of Cardiovascular Imaging</i> , 2005 , 21, 313-22	2.5	45
271	Comparative DNA methylation and gene expression analysis identifies novel genes for structural congenital heart diseases. <i>Cardiovascular Research</i> , 2016 , 112, 464-77	9.9	45
270	Postoperative phrenic nerve palsy: early clinical implications and management. <i>Intensive Care Medicine</i> , 2006 , 32, 1227-33	14.5	44
269	Right axillary incision: a cosmetically superior approach to repair a wide range of congenital cardiac defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 130, 277-81	1.5	43
268	T1 mapping in ischaemic heart disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 597-602	4.1	42
267	Coagulation management in pediatric mechanical circulatory support. <i>ASAIO Journal</i> , 2007 , 53, 640-5	3.6	42
266	Relationships Among Conduit Type, Pre-Stenting, and Outcomes in Patients Undergoing Transcatheter Pulmonary Valve Replacement in the Prospective North American and European Melody Valve Trials. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 1746-1759	5	41
265	Hypothermia suppresses inflammation via ERK signaling pathway in stimulated microglial cells. <i>Journal of Neuroimmunology</i> , 2007 , 189, 7-16	3.5	41
264	Extracorporeal membrane oxygenation for intraoperative cardiac support in children with congenital heart disease. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010 , 10, 753-8	1.8	40
263	Ivabradine in Children With Dilated Cardiomyopathy and Symptomatic Chronic Heart Failure. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1262-1272	15.1	39
262	Pulmonary and caval blood flow patterns in patients with intracardiac and extracardiac Fontan: a magnetic resonance study. <i>Clinical Research in Cardiology</i> , 2007 , 96, 160-7	6.1	39

261	Management of pediatric patients after implantation of the Berlin Heart EXCOR ventricular assist device. <i>ASAIO Journal</i> , 2006 , 52, 497-500	3.6	37
260	Modified surgical techniques and long-term outcome of mitral valve reconstruction in 111 children. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 604-13	2.7	36
259	Integrated assessment of diastolic and systolic ventricular function using diagnostic cardiac magnetic resonance catheterization: validation in pigs and application in a clinical pilot study. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 1271-81	8.4	34
258	Sexuality and reproductive health in women with congenital heart disease. <i>American Journal of Cardiology</i> , 2010 , 105, 538-41	3	34
257	Early and mid-term results with the Growth Stent--a possible concept for transcatheter treatment of aortic coarctation from infancy to adulthood by stent implantation?. <i>Catheterization and Cardiovascular Interventions</i> , 2008 , 71, 120-6	2.7	34
256	Acute and midterm outcomes of the post-approval MELODY Registry: a multicentre registry of transcatheter pulmonary valve implantation. <i>European Heart Journal</i> , 2019 , 40, 2255-2264	9.5	33
255	Interventional closure of atrial septal defects without fluoroscopy in adult and pediatric patients. <i>Clinical Research in Cardiology</i> , 2012 , 101, 691-700	6.1	33
254	Cardiovascular magnetic resonance of myocardial edema using a short inversion time inversion recovery (STIR) black-blood technique: diagnostic accuracy of visual and semi-quantitative assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 22	6.9	33
253	Carotid-subclavian artery index: new echocardiographic index to detect coarctation in neonates and infants. <i>Annals of Thoracic Surgery</i> , 2005 , 80, 1652-7	2.7	33
252	Percutaneous tricuspid valve implantation: two-center experience with midterm results. <i>Circulation: Cardiovascular Interventions</i> , 2015 , 8,	6	32
251	Influence of intravenous sildenafil on cerebral oxygenation measured by near-infrared spectroscopy in infants after cardiac surgery. <i>Pediatric Research</i> , 2006 , 59, 462-5	3.2	32
250	Follow-up of patients with interventional closure of ventricular septal defects with Amplatzer Duct Occluder II. <i>Pediatric Cardiology</i> , 2015 , 36, 379-85	2.1	31
249	Exome sequencing helped the fine diagnosis of two siblings afflicted with atypical Timothy syndrome (TS2). <i>BMC Medical Genetics</i> , 2014 , 15, 48	2.1	31
248	Mechanisms of hypothermia-induced cell protection mediated by microglial cells in vitro. <i>European Journal of Neuroscience</i> , 2010 , 31, 779-87	3.5	31
247	A new miniaturized cardiopulmonary bypass system reduces transfusion requirements during neonatal cardiac surgery: initial experience in 13 consecutive patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 1565-8	1.5	31
246	S100B modulates IL-6 release and cytotoxicity from hypothermic brain cells and inhibits hypothermia-induced axonal outgrowth. <i>Neuroscience Research</i> , 2007 , 59, 68-73	2.9	31
245	Regional cerebral oxygenation by NIRS does not correlate with central or jugular venous oxygen saturation during interventional catheterisation in children. <i>Acta Anaesthesiologica Scandinavica</i> , 2008 , 52, 1370-4	1.9	30
244	Familial congenital heart disease, progressive atrioventricular block and the cardiac homeobox transcription factor gene NKX2.5: identification of a novel mutation. <i>Clinical Research in Cardiology</i> , 2006 , 95, 499-503	6.1	30

243	Rare and private variations in neural crest, apoptosis and sarcomere genes define the polygenic background of isolated Tetralogy of Fallot. <i>Human Molecular Genetics</i> , 2014 , 23, 3115-28	5.6	29
242	Biventricular repair in children with complete atrioventricular septal defect and a small left ventricle. <i>European Journal of Cardio-thoracic Surgery</i> , 2008 , 33, 40-7	3	28
241	Myocardial perfusion, scarring, and function in anomalous left coronary artery from the pulmonary artery syndrome: a long-term analysis using magnetic resonance imaging. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1425-36	2.7	27
240	Intravenous clonidine infusion in infants after cardiovascular surgery. <i>Paediatric Anaesthesia</i> , 2008 , 18, 217-22	1.8	27
239	Is MRI-based CFD able to improve clinical treatment of coarctations of aorta?. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 168-76	4.7	26
238	Analysis of the risk factors for early failure after extracardiac Fontan operation. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 1409-16	2.7	26
237	Hypothermia-induced neurite outgrowth is mediated by tumor necrosis factor-alpha. <i>Brain Pathology</i> , 2010 , 20, 771-9	6	26
236	Routine Application of Bloodless Priming in Neonatal Cardiopulmonary Bypass: A 3-Year Experience. <i>Pediatric Cardiology</i> , 2017 , 38, 807-812	2.1	25
235	Results of aortic valve repair using decellularized bovine pericardium in congenital surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 986-992	3	25
234	Pregnancy-related obstetric and cardiologic problems in women after atrial switch operation for transposition of the great arteries. <i>Circulation Journal</i> , 2014 , 78, 443-9	2.9	25
233	Comparison of tracheal tube cuff diameters with internal transverse diameters of the trachea in children. <i>Acta Anaesthesiologica Scandinavica</i> , 2006 , 50, 201-5	1.9	25
232	Comparison of analgesic/sedative effect of racemic ketamine and S(+)-ketamine during cardiac catheterization in newborns and children. <i>Pediatric Cardiology</i> , 2003 , 24, 424-9	2.1	25
231	Dynamics in prevalence of Down syndrome in children with congenital heart disease. <i>European Journal of Pediatrics</i> , 2018 , 177, 107-115	4.1	25
230	Postoperative arrhythmias in adults with congenital heart disease: incidence and risk factors. <i>International Journal of Cardiology</i> , 2013 , 169, 139-44	3.2	24
229	Hemodynamic and energetic aspects of the left ventricle in patients with mitral regurgitation before and after mitral valve surgery. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1705-12	5.6	24
228	Aortic sinus-left atrial fistula after interventional closure of atrial septal defect. <i>Catheterization and Cardiovascular Interventions</i> , 2005 , 66, 10-3	2.7	24
227	Propofol effect on cerebral oxygenation in children with congenital heart disease. <i>Pediatric Cardiology</i> , 2015 , 36, 543-9	2.1	23
226	Pump size of Berlin Heart EXCOR pediatric device influences clinical outcome in children. <i>Journal of Heart and Lung Transplantation</i> , 2014 , 33, 816-21	5.8	23

225	Rescue extracorporeal membrane oxygenation in children with refractory cardiac arrest. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011 , 12, 929-34	1.8	23
224	Hemodynamic Evaluation of a Biological and Mechanical Aortic Valve Prosthesis Using Patient-Specific MRI-Based CFD. <i>Artificial Organs</i> , 2018 , 42, 49-57	2.6	22
223	Long-term cardiopulmonary exercise capacity after modified Fontan operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 37, 204-9	3	22
222	Analysis of arrhythmias after correction of partial anomalous pulmonary venous connection. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 580-3	2.7	22
221	Comparison of cardiac output measurement using the CardioQP oesophageal Doppler with cardiac output measurement using thermodilution technique in children during heart catheterisation. <i>Anaesthesia</i> , 2008 , 63, 851-5	6.6	22
220	Feasibility and efficacy of stent redilatation in aortic coarctation. <i>Catheterization and Cardiovascular Interventions</i> , 2008 , 72, 552-6	2.7	22
219	Quantification of morphologic and hemodynamic severity of coarctation of the aorta by magnetic resonance imaging. <i>Cardiology in the Young</i> , 2001 , 11, 512-20	1	22
218	Partial anomalous pulmonary venous drainage in young pediatric patients: the role of magnetic resonance imaging. <i>Pediatric Cardiology</i> , 2009 , 30, 458-64	2.1	21
217	Early results of the bovine jugular vein graft used for reconstruction of the right ventricular outflow tract. <i>Annals of Thoracic Surgery</i> , 2005 , 79, 618-24	2.7	21
216	Echocardiographically guided closure of a patent foramen ovale during pregnancy after recurrent strokes. <i>Journal of Interventional Cardiology</i> , 2001 , 14, 191-2	1.8	21
215	Percutaneous pulmonary valve replacement using completely tissue-engineered off-the-shelf heart valves: six-month in vivo functionality and matrix remodelling in sheep. <i>EuroIntervention</i> , 2016 , 12, 62-70 ^{3,1}		21
214	First implantation of the CE-marked transcatheter Sapien pulmonic valve in Europe. <i>Clinical Research in Cardiology</i> , 2011 , 100, 85-7	6.1	20
213	Mid-term follow-up in patients with diaphragmatic plication after surgery for congenital heart disease. <i>Intensive Care Medicine</i> , 2007 , 33, 1985-92	14.5	20
212	Assessment of regional atrial function in patients with hypertrophic cardiomyopathies using tissue Doppler imaging. <i>Pediatric Cardiology</i> , 2008 , 29, 301-8	2.1	20
211	Stent implantation and balloon angioplasty for treatment of branch pulmonary artery stenosis in children. <i>Clinical Research in Cardiology</i> , 2008 , 97, 310-7	6.1	20
210	Familial Recurrent Myocarditis Triggered by Exercise in Patients With a Truncating Variant of the Desmoplakin Gene. <i>Journal of the American Heart Association</i> , 2020 , 9, e015289	6	19
209	Myocardial T1 maps reflect histological findings in acute and chronic stages of myocarditis in a rat model. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 19	6.9	19
208	Outlier-based identification of copy number variations using targeted resequencing in a small cohort of patients with Tetralogy of Fallot. <i>PLoS ONE</i> , 2014 , 9, e85375	3.7	19

207	Mechanisms of hypothermia-induced cell protection in the brain. <i>Molecular and Cellular Pediatrics</i> , 2014 , 1, 7	3.3	19
206	Staged surgical palliation in hypoplastic left heart syndrome and its variants. <i>Journal of Cardiac Surgery</i> , 2009 , 24, 383-91	1.3	19
205	Challenges encountered during closure of atrial septal defects. <i>Pediatric Cardiology</i> , 2005 , 26, 147-53	2.1	19
204	Transcatheter closure of atrial septal defects under echocardiographic guidance without X-ray: initial experiences. <i>Cardiology in the Young</i> , 1999 , 9, 136-40	1	19
203	Hypothermia protects H9c2 cardiomyocytes from H ₂ O ₂ induced apoptosis. <i>Cryobiology</i> , 2011 , 62, 53-61	2.7	18
202	Pediatric heart transplantation: 23-year single-center experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, e83-9	3	18
201	Small animal Look-Locker inversion recovery (SALLI) for simultaneous generation of cardiac T1 maps and cine and inversion recovery-prepared images at high heart rates: initial experience. <i>Radiology</i> , 2011 , 261, 258-65	20.5	18
200	Prognostic value of serum biomarkers of cerebral injury in classifying neurological outcome after paediatric resuscitation. <i>Resuscitation</i> , 2018 , 122, 113-120	4	17
199	Flow-sensitive four-dimensional velocity-encoded magnetic resonance imaging reveals abnormal blood flow patterns in the aorta and pulmonary trunk of patients with transposition. <i>Cardiology in the Young</i> , 2014 , 24, 47-53	1	17
198	Fate of the aortic valve following the arterial switch operation. <i>Journal of Cardiac Surgery</i> , 2010 , 25, 730-63	6.3	17
197	Initial clinical manifestations and mid- and long-term results after surgical repair of double-chambered right ventricle in children and adults. <i>Cardiology in the Young</i> , 2008 , 18, 268-74	1	17
196	Pulmonary hypertension in a case of Hb-Mainz hemolytic anemia. <i>Journal of Pediatric Hematology/Oncology</i> , 2007 , 29, 173-7	1.2	17
195	Five-year results from a prospective multicentre study of percutaneous pulmonary valve implantation demonstrate sustained removal of significant pulmonary regurgitation, improved right ventricular outflow tract obstruction and improved quality of life. <i>EuroIntervention</i> , 2017 , 12, 1715-1723	3.1	17
194	Association between patient age at implant and outcomes after transcatheter pulmonary valve replacement in the multicenter Melody valve trials. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, 607-617	2.7	16
193	Surgery impacts right atrial function in tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1306-11	1.5	16
192	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first EUROMACS Paediatric (Paedi-EUROMACS) report. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 800-808	3	16
191	First percutaneous implantation of a completely tissue-engineered self-expanding pulmonary heart valve prosthesis using a newly developed delivery system: a feasibility study in sheep. <i>Cardiovascular Intervention and Therapeutics</i> , 2017 , 32, 36-47	2.5	15
190	Severity of Fontan-Associated Liver Disease Correlates with Fontan Hemodynamics. <i>Pediatric Cardiology</i> , 2020 , 41, 736-746	2.1	15

189	Educational level and employment status in adults with congenital heart disease. <i>Cardiology in the Young</i> , 2018 , 28, 32-38	1	15
188	ICD therapy in children and young adults: low incidence of inappropriate shock delivery. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010 , 33, 734-41	1.6	15
187	Specific p38 inhibition in stimulated endothelial cells: a possible new anti-inflammatory strategy after hypothermia and rewarming. <i>Vascular Pharmacology</i> , 2009 , 51, 246-52	5.9	15
186	Adaptive growth and remodeling of transplanted hearts in children. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 1374-82; discussion 1382-3	3	15
185	Prediction of cardiac transcription networks based on molecular data and complex clinical phenotypes. <i>Molecular BioSystems</i> , 2008 , 4, 589-98		15
184	Dilatation and stenting of the fontan pathway: impact of the stenosis treatment on chronic ascites. <i>Journal of Interventional Cardiology</i> , 2008 , 21, 38-43	1.8	15
183	Extracorporeal membrane oxygenation for perioperative cardiac support in children I: experience at the Deutsches Herzzentrum Berlin (1987-2005). <i>ASAIO Journal</i> , 2007 , 53, 246-54	3.6	15
182	Mitral valve repair for infective endocarditis in children. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 2059-65	2.7	15
181	Detection of lower torso ischemia by near-infrared spectroscopy during cardiopulmonary bypass in a 6.8-kg infant with complex aortic anatomy. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 323-5	2.7	15
180	Advantages of C2 monitoring to avoid acute rejection in pediatric heart transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2006 , 25, 619-25	5.8	15
179	Moderate therapeutic hypothermia induces multimodal protective effects in oxygen-glucose deprivation/reperfusion injured cardiomyocytes. <i>Mitochondrion</i> , 2017 , 35, 1-10	4.9	14
178	Optical Coherence Tomography for the Early Detection of Coronary Vascular Changes in Children and Adolescents After Cardiac Transplantation: Findings From the International Pediatric OCT Registry. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2492-2501	8.4	14
177	RIKADA Study Reveals Risk Factors in Pediatric Primary Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2019 , 8, e012531	6	14
176	Targeted panel sequencing in pediatric primary cardiomyopathy supports a critical role of TNNI3. <i>Clinical Genetics</i> , 2019 , 96, 549-559	4	14
175	Modified Nikaidoh procedure for the correction of complex forms of transposition of the great arteries with ventricular septal defect and left ventricular outflow tract obstruction: mid-term results. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 928-34	3	14
174	CCN1 mutation is associated with atrial septal defect. <i>Pediatric Cardiology</i> , 2015 , 36, 295-9	2.1	14
173	Three-dimensional alignment of the aggregated myocytes in the normal and hypertrophic murine heart. <i>Journal of Applied Physiology</i> , 2009 , 107, 921-7	3.7	14
172	Biomarker responses during mid-term mechanical cardiac support in children. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 150-7	5.8	14

171	Coronary flow reserve measurement detects transplant coronary artery disease in pediatric heart transplant patients. <i>Journal of Heart and Lung Transplantation</i> , 2008 , 27, 514-21	5.8	14
170	Transcatheter closure of a coronary sinus defect with an Amplatzer septal occluder. <i>Catheterization and Cardiovascular Interventions</i> , 2003 , 60, 287-90	2.7	14
169	Closure of patent foramen ovale defects using GORE® CARDIOFORM septal occluder: Results from a prospective European multicenter study. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 90, 824-829	2.7	13
168	Bridge to recovery in children on ventricular assist devices-protocol, predictors of recovery, and long-term follow-up. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 1459-1466	5.8	13
167	Outcome of surgical correction of congenital supra-ventricular aortic stenosis with two- and three-sinus reconstruction techniques. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 634-40	2.7	13
166	Changing prevalence of severe congenital heart disease: Results from the National Register for Congenital Heart Defects in Germany. <i>Congenital Heart Disease</i> , 2017 , 12, 787-793	3.1	13
165	Flow-sensitive four-dimensional magnetic resonance imaging facilitates and improves the accurate diagnosis of partial anomalous pulmonary venous drainage. <i>Cardiology in the Young</i> , 2011 , 21, 528-35	1	13
164	Balloon valvuloplasty of aortic valve stenosis in childhood: early and medium term results. <i>Clinical Research in Cardiology</i> , 2008 , 97, 587-93	6.1	13
163	Deep hypothermia therapy attenuates LPS-induced microglia neuroinflammation via the STAT3 pathway. <i>Neuroscience</i> , 2017 , 358, 201-210	3.9	12
162	Transcatheter creation of an aortopulmonary shunt in an animal model. <i>Catheterization and Cardiovascular Interventions</i> , 2010 , 75, 563-9	2.7	12
161	Hypothermia During Cardiopulmonary Bypass Increases Need for Inotropic Support but Does Not Impact Inflammation in Children Undergoing Surgical Ventricular Septal Defect Closure. <i>Artificial Organs</i> , 2016 , 40, 470-9	2.6	12
160	The influence of the region of interest width on two-dimensional speckle tracking-based measurements of strain and strain rate. <i>Echocardiography</i> , 2015 , 32, 89-95	1.5	11
159	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): second EUROMACS Paediatric (Paedi-EUROMACS) report. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 1038-1050	3	11
158	Severe heart failure and the need for mechanical circulatory support and heart transplantation in pediatric patients with myocarditis: Results from the prospective multicenter registry "MYKKE". <i>Pediatric Transplantation</i> , 2019 , 23, e13548	1.8	11
157	The development and validation of a health-related quality of life questionnaire for pre-school children with a chronic heart disease. <i>Quality of Life Research</i> , 2013 , 22, 2877-88	3.7	11
156	Exercise capacity reflects ventricular function in patients having the Fontan circulation. <i>Cardiology in the Young</i> , 2009 , 19, 340-5	1	11
155	Methylprednisolone and tacrolimus prevent hypothermia-induced endothelial dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2009 , 28, 718-24	5.8	11
154	Predictors for the use of left ventricular assist devices in infants with anomalous left coronary artery from the pulmonary artery. <i>Annals of Thoracic Surgery</i> , 2010 , 90, 580-7	2.7	11

153	Cardiac troponin I is increased after interventional closure of atrial septal defects. <i>Catheterization and Cardiovascular Interventions</i> , 2003 , 58, 124-9	2.7	11
152	Images in cardiovascular medicine. Cast of complex congenital heart malformation in a living patient. <i>Circulation</i> , 2005 , 112, e356-7	16.7	11
151	Beyond Pressure Gradients: The Effects of Intervention on Heart Power in Aortic Coarctation. <i>PLoS ONE</i> , 2017 , 12, e0168487	3.7	11
150	Cerebral strokes in children on intracorporeal ventricular assist devices: analysis of the EUROMACS Registry. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 416-421	3	10
149	Frequency of Miscarriage/Stillbirth and Terminations of Pregnancy Among Women With Congenital Heart Disease in Germany, Hungary and Japan. <i>Circulation Journal</i> , 2016 , 80, 1846-51	2.9	10
148	Influence of size disparity of transplanted hearts on cardiac growth in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 168-77	1.5	10
147	Right ventricular hypertrophy after atrial switch operation: normal adaptation process or risk factor? A cardiac magnetic resonance study. <i>Clinical Research in Cardiology</i> , 2012 , 101, 963-71	6.1	10
146	Arrhythmias in patients with surgically treated atrial septal defects. <i>Swiss Medical Weekly</i> , 2005 , 135, 175-8	3.1	10
145	Effect of bosentan therapy on ventricular and atrial function in adults with Eisenmenger syndrome. A prospective, multicenter study using conventional and Speckle tracking echocardiography. <i>Clinical Research in Cardiology</i> , 2014 , 103, 701-10	6.1	9
144	Mortality and morbidity in different immunization protocols for experimental autoimmune myocarditis in rats. <i>Acta Physiologica</i> , 2014 , 210, 889-98	5.6	9
143	Improved early postoperative outcome for extracardiac Fontan operation without cardiopulmonary bypass: a single-centre experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 952-7	3	9
142	Diagnostic catheterization and balloon sizing of atrial septal defects by echocardiographic guidance without fluoroscopy. <i>Echocardiography</i> , 2000 , 17, 159-63	1.5	9
141	Patient-specific requirements and clinical validation of MRI-based pressure mapping: A two-center study in patients with aortic coarctation. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 81-89	5.6	9
140	Transcatheter Decellularized Tissue-Engineered Heart Valve (dTEHV) Grown on Polyglycolic Acid (PGA) Scaffold Coated with P4HB Shows Improved Functionality over 52 Weeks due to Polyether-Ether-Ketone (PEEK) Insert. <i>Journal of Functional Biomaterials</i> , 2018 , 9,	4.8	9
139	Long-term results after surgical repair of atrioventricular septal defect. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 28, 789-796	1.8	8
138	Hemodynamic Changes During Physiological and Pharmacological Stress Testing in Healthy Subjects, Aortic Stenosis and Aortic Coarctation Patients-A Systematic Review and Meta-Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 43	5.4	8
137	Pulmonary Hypertension in Adults with Congenital Heart Disease: Real-World Data from the International COMPERA-CHD Registry. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	8
136	Early extubation is associated with improved early outcome after extracardiac total cavopulmonary connection independently of duration of cardiopulmonary bypass. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 953-958	3	8

135	Successful exclusion of an aortic aneurysm with a novel PTFE-tube covered cobalt-chromium stent in a pediatric patient with native coarctation of the aorta. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 92, 930-934	2.7	8
134	Non-invasive assessment of liver changes in Eisenmenger patients. <i>International Journal of Cardiology</i> , 2017 , 249, 140-144	3.2	8
133	Upper cavo-pulmonary anastomosis by transcatheter technique. <i>Catheterization and Cardiovascular Interventions</i> , 2012 , 80, 93-9	2.7	8
132	Growth of mitral annulus in the pediatric patient after suture annuloplasty of the entire posterior mitral annulus. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009 , 9, 354-6	1.8	8
131	How does hypothermia protect cardiomyocytes during cardioplegic ischemia?. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 352-9	3	8
130	Cerebral expression of neuroglobin and cytoglobin after deep hypothermic circulatory arrest in neonatal piglets. <i>Brain Research</i> , 2010 , 1356, 1-10	3.7	8
129	Preserved regional atrial contractile function following extra-atrial rather than intra-atrial type Fontan operation: a tissue Doppler imaging study. <i>Clinical Research in Cardiology</i> , 2007 , 96, 264-71	6.1	8
128	Transfusion-free arterial switch operation in a 1.7-kg premature neonate using a new miniature cardiopulmonary bypass system. <i>Journal of Cardiac Surgery</i> , 2008 , 23, 358-60	1.3	8
127	Fast-track extubation after cardiac surgery in infants: Tug-of-war between performance and reimbursement?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 162, 435-443	1.5	8
126	Immunodepression after CPB: Cytokine dynamics and clinics after pediatric cardiac surgery - A prospective trial. <i>Cytokine</i> , 2019 , 122, 154018	4	8
125	Pharmacokinetics of Oral and Intravenous Oseltamivir Treatment of Severe Influenza B Virus Infection Requiring Organ Replacement Therapy. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017 , 42, 155-164	2.7	7
124	Predictors of health-related quality of life in children with chronic heart disease. <i>Cardiology in the Young</i> , 2017 , 27, 1455-1464	1	7
123	Moderate hypothermia initiated during oxygen-glucose deprivation preserves HL-1 cardiomyocytes. <i>Cryobiology</i> , 2015 , 70, 101-8	2.7	7
122	Treatment strategies for protein-losing enteropathy in Fontan-palliated patients. <i>Cardiology in the Young</i> , 2020 , 30, 698-709	1	7
121	Effects of mTOR and calcineurin inhibitors combined therapy in Epstein-Barr virus positive and negative Burkitt lymphoma cells. <i>International Immunopharmacology</i> , 2016 , 30, 9-17	5.8	7
120	MRI as a tool for non-invasive vascular profiling: a pilot study in patients with aortic coarctation. <i>Expert Review of Medical Devices</i> , 2016 , 13, 103-12	3.5	7
119	Heterogeneity of regional function and relation to ventricular morphology in patients with fontan circulation. <i>American Journal of Cardiology</i> , 2013 , 112, 1207-13	3	7
118	Two Pumps for Single Ventricle: Mechanical Support for Establishment of Biventricular Circulation. <i>Annals of Thoracic Surgery</i> , 2017 , 104, e143-e145	2.7	7

117	Combination of a Hetzer operation and a Sebening stitch for EbsteinB anomaly. <i>General Thoracic and Cardiovascular Surgery</i> , 2007 , 55, 355-9	1.6	7
116	Percutaneous closure of patent ductus arteriosus in small infants of less than 8 kg body weight using different devices. <i>European Journal of Pediatrics</i> , 2004 , 163, 619-21	4.1	7
115	Impact of right ventricular size on ECG after percutaneous closure of atrial septal defect with Amplatzer Septal Occluder. <i>Swiss Medical Weekly</i> , 2005 , 135, 647-51	3.1	7
114	ADAPT-treated pericardium for aortic valve reconstruction in congenital heart disease: histological analysis of a series of human explants. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 1170-1177	3	6
113	Evaluation of contraceptive methods in women with congenital heart disease in Germany, Hungary and Japan. <i>International Journal of Cardiology</i> , 2016 , 206, 13-8	3.2	6
112	Diastolic asynchrony and myocardial dysfunction in patients with univentricular heart after Fontan operation. <i>Journal of Echocardiography</i> , 2013 , 11, 130-7	1.6	6
111	New aortic root remodeling surgery in aortic root aneurysm. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 1260-4.7		6
110	A Prospective Clinical Trial Measuring the Effects of Cardiopulmonary Bypass Under Mild Hypothermia on the Inflammatory Response and Regulation of Cold-Shock Protein RNA-Binding Motif 3. <i>Therapeutic Hypothermia and Temperature Management</i> , 2020 , 10, 60-70	1.3	6
109	Adult congenital open-heart surgery: emergence of a new mortality score. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 171-176	3	5
108	Neuroprotection via RNA-binding protein RBM3 expression is regulated by hypothermia but not by hypoxia in human SK-N-SH neurons. <i>Hypoxia (Auckland, N Z)</i> , 2017 , 5, 33-43	2.1	5
107	A Universal Delivery System for Percutaneous Heart Valve Implantation. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2683-94	4.7	5
106	Regional analysis of longitudinal systolic function of the right ventricle after corrective surgery of tetralogy of Fallot using myocardial isovolumetric acceleration index. <i>Pediatric Cardiology</i> , 2013 , 34, 1848-53	2.1	5
105	Magnesium stents [Fundamentals, biological implications and applications beyond coronary arteries. <i>BioNanoMaterials</i> , 2015 , 16,		5
104	Reverse graft placement in the Florida sleeve procedure for aortic root aneurysm. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 723-5	2.7	5
103	Influence of external cardiac pacing on cerebral oxygenation measured by near-infrared spectroscopy in children after cardiac surgery. <i>Paediatric Anaesthesia</i> , 2010 , 20, 553-8	1.8	5
102	Vascular endothelial growth factor and its soluble receptor in infants with congenital cardiac disease. <i>Cardiology in the Young</i> , 2010 , 20, 505-8	1	5
101	RNA expression profiles and regulatory networks in human right ventricular hypertrophy due to high pressure load. <i>IScience</i> , 2021 , 24, 102232	6.1	5
100	Cardiac MRI in patients with complex CHD following primary or secondary implantation of MRI-conditional pacemaker system. <i>Cardiology in the Young</i> , 2016 , 26, 306-14	1	5

99	Arrhythmia Detection in Pediatric Patients: ECG Quality and Diagnostic Yield of a Patient-Triggered Einthoven Lead-I Event Recorder (Zenicor EKG-2) <i>Pediatric Cardiology</i> , 2016 , 37, 491-6	2.1	5
98	Cardiac T1 mapping in congenital heart disease: bolus vs. infusion protocols for measurements of myocardial extracellular volume fraction. <i>International Journal of Cardiovascular Imaging</i> , 2017 , 33, 1961-1968	2.5	4
97	First use and limitations of Magmaris [®] bioresorbable stenting in a low birth weight infant with native aortic coarctation. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 93, 1340-1343	2.7	4
96	3D image fusion for live guidance of stent implantation in aortic coarctation - magnetic resonance imaging and computed tomography image overlay enhances interventional technique. <i>Postępy W Kardiologii Interwencyjnej</i> , 2017 , 13, 269-272	0.4	4
95	Surrogates for myocardial power and power efficiency in patients with aortic valve disease. <i>Scientific Reports</i> , 2019 , 9, 16407	4.9	4
94	Altered right ventricular function in the long-term follow-up evaluation of patients after delayed aortic reimplantation of the anomalous left coronary artery from the pulmonary artery. <i>Pediatric Cardiology</i> , 2014 , 35, 530-5	2.1	4
93	Effects of incremental beta-blocker dosing on myocardial mechanics of the human left ventricle: MRI 3D-tagging insight into pharmacodynamics supports theory of inner antagonism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H45-52	5.2	4
92	Closed-chest small animal model to study myocardial infarction in an MRI environment in real time. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 115-21	2.5	4
91	Nonsymptomatic myocardial injury after radiofrequency and cryoablation: a study of children and patients with congenital heart disease. <i>Pediatric Cardiology</i> , 2012 , 33, 1348-54	2.1	4
90	Wearable devices can predict the outcome of standardized 6-minute walk tests in heart disease. <i>Npj Digital Medicine</i> , 2020 , 3, 92	15.7	4
89	Post-TTM Rebound Pyrexia after Ischemia-Reperfusion Injury Results in Sterile Inflammation and Apoptosis in Cardiomyocytes. <i>Mediators of Inflammation</i> , 2019 , 2019, 6431957	4.3	4
88	Altered microRNA and target gene expression related to Tetralogy of Fallot. <i>Scientific Reports</i> , 2019 , 9, 19063	4.9	4
87	Evaluation of Fontan failure by classifying the severity of Fontan-associated liver disease: a single-centre cross-sectional study. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 ,	3	4
86	Magnetic resonance and computed tomography imaging fusion for live guidance of percutaneous pulmonary valve implantation. <i>Postępy W Kardiologii Interwencyjnej</i> , 2018 , 14, 413-421	0.4	4
85	Pathogenic Variants Associated With Dilated Cardiomyopathy Predict Outcome in Pediatric Myocarditis. <i>Circulation Genomic and Precision Medicine</i> , 2021 , 14, e003250	5.2	4
84	Modified Ross-Konno procedure in children: subcoronary implantation technique with Konno incision for annular and subannular hypoplasia. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 27, 264-268	1.8	3
83	Long-term early development research in congenital heart disease (LEADER-CHD): a study protocol for a prospective cohort observational study investigating the development of children after surgical correction for congenital heart defects during the first 3 years of life. <i>BMJ Open</i> , 2017 , 7, e018966	3	3
82	Alterations in creatine metabolism observed in experimental autoimmune myocarditis using ex vivo proton magic angle spinning MRS. <i>NMR in Biomedicine</i> , 2015 , 28, 1625-33	4.4	3

81	Capability of a new paediatric oesophageal Doppler monitor to detect changes in cardiac output during testing of external pacemakers after cardiac surgery. <i>Journal of Clinical Monitoring and Computing</i> , 2011 , 25, 419-25	2	3
80	Flow pattern of the superior caval vein in children after closure of atrial septal defect: a comparison of catheter therapy with open-heart surgery. <i>Pediatric Cardiology</i> , 2001 , 22, 503-8	2.1	3
79	Effect of a Dual-Strain Probiotic on Necrotizing Enterocolitis in Neonates with Ductal-Dependent Congenital Heart Disease: A Retrospective Cohort Study. <i>Neonatology</i> , 2020 , 117, 569-576	4	3
78	Diffuse myocardial fibrosis by T1 mapping is associated with heart failure in pediatric primary dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2021 , 333, 219-225	3.2	3
77	Therapeutic Hypothermia After Perinatal Asphyxia in Infants With Severe, Ductal-Dependent Congenital Heart Disease. <i>Pediatric Critical Care Medicine</i> , 2019 , 20, 457-465	3	3
76	Educational achievement of children with congenital heart disease: Promising results from a survey by the German National Register of Congenital Heart Defects. <i>Early Human Development</i> , 2019 , 128, 27-34	2.2	3
75	Fontan completion during winter season is not associated with higher mortality or morbidity in the early post-operative period. <i>Cardiology in the Young</i> , 2020 , 30, 629-632	1	3
74	Germline variants in HEY2 functional domains lead to congenital heart defects and thoracic aortic aneurysms. <i>Genetics in Medicine</i> , 2021 , 23, 103-110	8.1	3
73	Impact of predictive medicine on therapeutic decision making: a randomized controlled trial in congenital heart disease. <i>Npj Digital Medicine</i> , 2019 , 2, 17	15.7	2
72	Developmental Outcome in Infants with Cardiovascular Disease After Cardiopulmonary Resuscitation: A Pilot Study. <i>Journal of Clinical Psychology in Medical Settings</i> , 2019 , 26, 575-583	2	2
71	Outcomes After Transcatheter Reintervention for Dysfunction of a Previously Implanted Transcatheter Pulmonary Valve. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 1529-1540	5	2
70	Combined Cyclosporin A and Hypothermia Treatment Inhibits Activation of BV-2 Microglia but Induces an Inflammatory Response in an Ischemia/Reperfusion Hippocampal Slice Culture Model. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 273	6.1	2
69	Non-invasive assessment of liver alterations in Senning and Mustard patients. <i>Cardiovascular Diagnosis and Therapy</i> , 2019 , 9, S198-S208	2.6	2
68	Interventional re-opening of a PDA for reverse potts shunt circulation after ADO i implantation in a child. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 89, E133-E136	2.7	2
67	Paravertebral venous access for closure of a collateral in a pediatric patient after Fontan operation. <i>Circulation: Cardiovascular Interventions</i> , 2010 , 3, e26-8	6	2
66	Establishment of a coculture model for studying inflammation after pediatric cardiopulmonary bypass: from bench to bedside. <i>Journal of Interferon and Cytokine Research</i> , 2012 , 32, 269-76	3.5	2
65	Protein S-100 is present in extracerebral fluids before and after cardiac surgery in children. <i>Annals of Clinical Biochemistry</i> , 2008 , 45, 409-12	2.2	2
64	Development of subneopulmonary obstruction early after arterial switch operation in an adult. <i>Annals of Thoracic Surgery</i> , 1996 , 61, 1518-20	2.7	2

63	Reintervention and Survival After Transcatheter Pulmonary Valve Replacement.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 18-32	15.1	2
62	Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. <i>Circulation Research</i> , 2021 ,	15.7	2
61	Investigation of association between PFO complicated by cryptogenic stroke and a common variant of the cardiac transcription factor GATA4. <i>PLoS ONE</i> , 2011 , 6, e20711	3.7	2
60	Subacute Myocarditis Associated with Bocavirus Infection in an 8-Week-Old Infant. <i>Klinische Padiatrie</i> , 2017 , 229, 103-105	0.9	2
59	First paediatric cohort for the evaluation of inflammation in endomyocardial biopsies derived from congenital heart surgery. <i>International Journal of Cardiology</i> , 2020 , 303, 36-40	3.2	2
58	Assessment of hemodynamic responses to exercise in aortic coarctation using MRI-ergometry in combination with computational fluid dynamics. <i>Scientific Reports</i> , 2020 , 10, 18894	4.9	2
57	Abnormal aortic flow profiles persist after aortic valve replacement in the majority of patients with aortic valve disease: how model-based personalized therapy planning could improve results. A pilot study approach. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 133-141	3	2
56	Can Left Atrioventricular Valve Reduction Index (LAVRI) Predict the Surgical Strategy for Repair of Atrioventricular Septal Defect?. <i>Pediatric Cardiology</i> , 2021 , 42, 898-905	2.1	2
55	Assessment of a congenital heart surgery programme: a reappraisal. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 27, 417-421	1.8	2
54	Reduced Systolic Function and Not Genetic Variants Determine Outcome in Pediatric and Adult Left Ventricular Noncompaction Cardiomyopathy. <i>Frontiers in Pediatrics</i> , 2021 , 9, 722926	3.4	2
53	Measuring myocardial extracellular volume of the right ventricle in patients with congenital heart disease. <i>Scientific Reports</i> , 2021 , 11, 2679	4.9	2
52	Oral everolimus inhibits neointimal proliferation in prosthetic pulmonary valved stents in pigs. <i>Journal of Heart Valve Disease</i> , 2008 , 17, 465-72		2
51	Delivery room asphyxia in neonates with ductal-dependent congenital heart disease: a retrospective cohort study. <i>Journal of Perinatology</i> , 2019 , 39, 1627-1634	3.1	1
50	Retraction: Bruder, L. et al. Transcatheter Decellularized Tissue-Engineered Heart Valve (dTEHV) Grown on Polyglycolic Acid (PGA) Scaffold Coated with P4HB Shows Improved Functionality over 52 Weeks due to Polyether-Ether-Ketone (PEEK) Insert. . 2018, (4), 64. <i>Journal of Functional Biomaterials</i> , 2019 , 10,	4.8	1
49	Recommendations for the configuration of a cardiac catheterisation laboratory for the treatment of children with CHD. <i>Cardiology in the Young</i> , 2018 , 28, 791-794	1	1
48	Assessment of cardiac function and myocardial morphology using small animal Look-Locker inversion recovery (SALLI) MRI in rats. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	1
47	Comparison of right ventricular volumes by transthoracic and transesophageal echocardiography in patients with right ventricular volume overload. <i>Cardiology in the Young</i> , 1997 , 7, 417-422	1	1
46	We need a detailed phenome in the phenomenon of genetics and congenital heart disease. <i>Journal of Medical Genetics</i> , 2008 , 45, 320	5.8	1

45	Hybrid approach facilitates use of a minimized CPB circuit and transfusion free surgery in an extended Norwood stage II procedure. <i>Journal of Cardiac Surgery</i> , 2007 , 22, 508-10	1.3	1
44	Chronisch persistierende Parvovirus-B19-Myokarditis im Kleinkindalter. <i>Monatsschrift Fur Kinderheilkunde</i> , 1999 , 147, 748-750	0.2	1
43	Home-Based Long-Term Physical Endurance and Inspiratory Muscle Training for Children and Adults With Fontan Circulation-Initial Results From a Prospective Study.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 784648	5.4	1
42	Cooling and Sterile Inflammation in an Oxygen-Glucose-Deprivation/Reperfusion Injury Model in BV-2 Microglia. <i>Mediators of Inflammation</i> , 2021 , 2021, 8906561	4.3	1
41	Rare variants in KDR, encoding VEGF Receptor 2, are associated with tetralogy of Fallot. <i>Genetics in Medicine</i> , 2021 , 23, 1952-1960	8.1	1
40	Persisting and reoccurring cyanosis after Fontan operation is associated with increased late mortality. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 ,	3	1
39	Systemic right ventricular morphology in the early postoperative course after extracardiac Fontan operation: is there still a need for special care?. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 483-489	3	1
38	Mismatch between self-estimated and objectively assessed exercise capacity in patients with congenital heart disease varies in regard to complexity of cardiac defects. <i>Cardiology in the Young</i> , 2021 , 31, 77-83	1	1
37	Pulmonary valve prostheses: patient's lifetime procedure load and durability. Evaluation of the German National Register for Congenital Heart Defects. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 ,	1.8	1
36	Image-Based Computational Model Predicts Dobutamine-Induced Hemodynamic Changes in Patients With Aortic Coarctation. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e011523	3.9	1
35	CMR-Based and Time-Shift Corrected Pressure Gradients Provide Good Agreement to Invasive Measurements in Aortic Coarctation. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1725-1727	8.4	1
34	Integrative analysis of genomic variants reveals new associations of candidate haploinsufficient genes with congenital heart disease. <i>PLoS Genetics</i> , 2021 , 17, e1009679	6	1
33	Late Fontan failure in adult patients is predominantly associated with deteriorating ventricular function. <i>International Journal of Cardiology</i> , 2021 , 344, 87-94	3.2	1
32	Presence of reduced regional left ventricular function even in the absence of left ventricular wall scar tissue in the long term after repair of an anomalous left coronary artery from the pulmonary artery. <i>Cardiology in the Young</i> , 2018 , 28, 200-207	1	0
31	Pediatric heart transplant candidates with failed donor heart allocation after Eurotransplant urgency listing profit from pretransplant mechanical circulatory support bridging. <i>Artificial Organs</i> , 2009 , 33, 346-51	2.6	0
30	Education of Children With Cyanotic Congenital Heart Disease After Neonatal Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1546-1552	2.7	0
29	Interventional creation of an endogenous reverse Potts shunt in an infant with pulmonary hypertension and genetic surfactant disorder-a case report. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 1696-1700	2.6	0
28	Corrigendum to: The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first EUROMACS Paediatric (Paedi-EUROMACS) report [Eur J Cardiothorac Surg 2018;54:800-8]. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 1019-1020	3	0

27	Family-Centered Care at Pediatric Cardiac Intensive Care Units in Germany and the Relationship With Parent and Infant Well-Being: A Study Protocol. <i>Frontiers in Pediatrics</i> , 2021 , 9, 666904	3.4	○
26	Long-term experience using CNI-free immunosuppression in selected paediatric heart transplant recipients. <i>Pediatric Transplantation</i> , 2021 , 25, e14111	1.8	○
25	Preoperative Anemia and Outcomes After Corrective Surgery in Neonates With Dextro-Transposition of the Great Arteries. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 2900-2906	2.1	○
24	Midwall Fibrosis and Cardiac Mechanics: Rigid Body Rotation Is a Novel Marker of Disease Severity in Pediatric Primary Dilated Cardiomyopathy.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 810005	5.4	○
23	A Multimodal Score Accurately Classifies Fontan Failure and Late Mortality in Adult Fontan Patients.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 767503	5.4	○
22	Nationwide Registry-Based Analysis of Infective Endocarditis Risk After Pulmonary Valve Replacement.. <i>Journal of the American Heart Association</i> , 2022 , e022231	6	○
21	Morphologic Alterations Precede Functional Hepatic Impairment as Determined by C-Methacetin Liver Function Breath Test in Adult Fontan Patients.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 764009	5.4	○
20	Compensatory Upregulation of Anti-Beta-Adrenergic Receptor Antibody Levels Might Prevent Heart Failure Presentation in Pediatric Myocarditis.. <i>Frontiers in Pediatrics</i> , 2022 , 10, 881208	3.4	○
19	Myokarditis im Kindes- und Jugendalter. <i>Kardiologie Up2date</i> , 2017 , 13, 275-293	○	
18	First steps to a clinical research unit for developmental research in paediatric cardiology: conception and progress of the LEADER project (Long Term Early Development Research) in CHD. <i>Cardiology in the Young</i> , 2019 , 29, 672-678	1	
17	Myokarditis. <i>Pädiatrie Up2date</i> , 2015 , 10, 223-242	0.2	
16	Open-heart surgery in neonates: current practice. <i>Journal of Cardiovascular Surgery</i> , 2018 , 59, 299-301	0.7	
15	Different indications for transcatheter and surgical patent ductus arteriosus closure in preterm infants less than 2kg. <i>International Journal of Cardiology</i> , 2018 , 266, 83	3.2	
14	Clinical outcome and inflammatory response after transfusion of washed and unwashed red blood cells in children following cardiovascular surgery. <i>Progress in Pediatric Cardiology</i> , 2017 , 47, 73-79	0.4	
13	Feasibility of customised unipolar conversion using bipolar temporary pacing wires in patients after surgical repair of congenital heart disease. <i>Cardiology in the Young</i> , 2014 , 24, 610-5	1	
12	Hammock mitral valve and modified Paneth plasty. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 36, 1076	3	
11	Anatomic Repair of Congenitally Corrected Transposition: Reappraisal of Eligibility Criteria.. <i>Pediatric Cardiology</i> , 2022 , 1	2.1	
10	Hypothermia for cardiogenic encephalopathy in neonates with dextro-transposition of the great arteries. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 , 32, 130-136	1.8	

9 Unusual Access **2015**, 171-180

8 Transcatheter aortic valve implantation and simultaneous closure of ostium secundum atrial septal defect. *Heart Surgery Forum*, **2011**, 14, E354-6 0.7

7 Unexpected ventricular tachycardia following acoustic provocation during electroencephalography. *Archives of Disease in Childhood*, **2021**, 106, 708 2.2

6 The Effects of Targeted Temperature Management on Oxygen-Glucose Deprivation/Reperfusion-Induced Injury and DAMP Release in Murine Primary Cardiomyocytes. *Mediators of Inflammation*, **2020**, 2020, 1-12 4.3

5 Unusual Access **2021**, 201-209

4 Ventricular assist devices in paediatric cardiomyopathy and congenital heart disease: An analysis of the German National Register for Congenital Heart Defects. *International Journal of Cardiology*, **2021**, 343, 37-44 3.2

3 The Impact of Prematurity on Morbidity and Mortality in Newborns with Dextro-transposition of the Great Arteries. *Pediatric Cardiology*, **2021**, 1 2.1

2 Hemodynamic Changes During Physiological and Pharmacological Stress Testing in Patients With Heart Failure: A Systematic Review and Meta-Analysis.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 718114 5.4

1 Revascularization of Left Subclavian to Common Carotid Artery Prepares for Covered Stent Implantation in Patients With Complex Aortic Coarctation. *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery*, 155698452210992 1.5