

Felix Berger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1380136/publications.pdf>

Version: 2024-02-01

338
papers

11,320
citations

25034
57
h-index

48315
88
g-index

346
all docs

346
docs citations

346
times ranked

11392
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in Sarcomere Protein Genes in Left Ventricular Noncompaction. <i>Circulation</i> , 2008, 117, 2893-2901.	1.6	414
2	Distinct genetic architectures for syndromic and nonsyndromic congenital heart defects identified by exome sequencing. <i>Nature Genetics</i> , 2016, 48, 1060-1065.	21.4	351
3	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, 2721-2727.	2.2	291
4	Percutaneous pulmonary valve implantation: two-centre experience with more than 100 patients. <i>European Heart Journal</i> , 2011, 32, 1260-1265.	2.2	266
5	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, 674-680.	0.8	207
6	Transcatheter closure as standard treatment for most interatrial defects: experience in 200 patients treated with the Amplatzer â„¢ Septal Occluder. <i>Cardiology in the Young</i> , 1999, 9, 468-473.	0.8	190
7	Percutaneous Tricuspid Valve Replacement in Congenital and Acquired Heart Disease. <i>Journal of the American College of Cardiology</i> , 2011, 58, 117-122.	2.8	169
8	Transcatheter Tricuspid Valve-in-Valve Implantation for the Treatment of Dysfunctional Surgical Bioprosthetic Valves. <i>Circulation</i> , 2016, 133, 1582-1593.	1.6	169
9	Sarcomere Gene Mutations in Isolated Left Ventricular Noncompaction Cardiomyopathy Do Not Predict Clinical Phenotype. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 367-374.	5.1	167
10	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.	6.2	164
11	Mutations in the Sarcomere Gene <i>MYH7</i> in Ebstein Anomaly. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 43-50.	5.1	153
12	Incidence of atrial flutter/fibrillation in adults with atrial septal defect before and after surgery. <i>Annals of Thoracic Surgery</i> , 1999, 68, 75-78.	1.3	152
13	Covered Cheatham-Platinum Stents for Aortic Coarctation. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1457-1463.	2.8	151
14	First Experiences With the HeartWare Ventricular Assist System in Children. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1256-1260.	1.3	150
15	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, .	12.4	142
16	Masked left ventricular restriction in elderly patients with atrial septal defects: A contraindication for closure?. <i>Catheterization and Cardiovascular Interventions</i> , 2001, 52, 177-180.	1.7	125
17	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, 941-947.	2.2	124
18	Identification and functional analysis of CITED2 mutations in patients with congenital heart defects. <i>Human Mutation</i> , 2005, 26, 575-582.	2.5	114

#	ARTICLE	IF	CITATIONS
19	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, 230-235.	3.2	108
20	Tracheal tube-tip displacement in children during head-neck movement—a radiological assessment. <i>British Journal of Anaesthesia</i> , 2006, 96, 486-491.	3.4	105
21	Assessment of Diffuse Myocardial Fibrosis in Rats Using Small-Animal Look-Locker Inversion Recovery T1 Mapping. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 636-640.	2.6	103
22	Physical Models Aiding in Complex Congenital Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2008, 86, 273-277.	1.3	102
23	Endocarditis After Transcatheter Pulmonary Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2717-2728.	2.8	101
24	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, 677-683.	3.4	98
25	Anomalous Origin of the Left Coronary Artery from the Pulmonary Artery in Adults. <i>Journal of Cardiac Surgery</i> , 1995, 10, 309-315.	0.7	94
26	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, 160-166.	1.1	92
27	Optimal conduit size for extracardiac Fontan operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2000, 18, 690-695.	1.4	89
28	Current therapy and outcome of Eisenmenger syndrome: data of the German National Register for congenital heart defects. <i>European Heart Journal</i> , 2016, 37, 1449-1455.	2.2	89
29	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, 100-105.	0.6	88
30	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, 909-916.	3.4	87
31	A modified repair technique for tricuspid incompetence in Ebstein's anomaly. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998, 115, 857-868.	0.8	85
32	Mutations in <i>GATA4</i> , <i>NKX2.5</i> , <i>CRELD1</i> , and <i>BMP4</i> are infrequently found in patients with congenital cardiac septal defects. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 251-253.	1.2	83
33	Contraception in Women With Congenital Heart Disease. <i>American Journal of Cardiology</i> , 2010, 106, 1317-1321.	1.6	83
34	Magnetic Resonance Imaging-Guided Balloon Angioplasty of Coarctation of the Aorta. <i>Circulation</i> , 2006, 113, 1093-1100.	1.6	80
35	Results of transvenous occlusion of secundum atrial septal defects with the fourth generation buttoned device: comparison with first, second and third generation devices. <i>Journal of the American College of Cardiology</i> , 2000, 36, 583-592.	2.8	79
36	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.	0.5	79

#	ARTICLE	IF	CITATIONS
37	A multicenter study of the HeartWare ventricular assist device in small children. Journal of Heart and Lung Transplantation, 2016, 35, 679-681.	0.6	79
38	Cardiac output measurement in children: comparison of the Ultrasound Cardiac Output Monitor with thermodilution cardiac output measurement. Intensive Care Medicine, 2008, 34, 1060-1064.	8.2	78
39	The practical clinical value of three-dimensional models of complex congenitally malformed hearts. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 571-580.	0.8	76
40	Cardiac Alpha-Myosin (MYH6) Is the Predominant Sarcomeric Disease Gene for Familial Atrial Septal Defects. PLoS ONE, 2011, 6, e28872.	2.5	76
41	Functional Analysis of the Components of the Right Ventricle in the Setting of Tetralogy of Fallot. Circulation: Cardiovascular Imaging, 2008, 1, 141-147.	2.6	75
42	Anomalous origin of the left coronary artery from the pulmonary artery: Early results with direct aortic reimplantation. Journal of Thoracic and Cardiovascular Surgery, 1994, 108, 354-362.	0.8	72
43	Effects of moderate and deep hypothermia on RNA-binding proteins RBM3 and CIRP expressions in murine hippocampal brain slices. Brain Research, 2013, 1504, 74-84.	2.2	71
44	Four-dimensional velocity-encoded magnetic resonance imaging improves blood flow quantification in patients with complex accelerated flow. Journal of Magnetic Resonance Imaging, 2013, 37, 208-216.	3.4	71
45	Systemic-to-pulmonary collateral flow in patients with palliated univentricular heart physiology: measurement using cardiovascular magnetic resonance 4D velocity acquisition. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 25.	3.3	70
46	Acute and midterm outcomes of the post-approval MELODY Registry: a multicentre registry of transcatheter pulmonary valve implantation. European Heart Journal, 2019, 40, 2255-2264.	2.2	69
47	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. JACC: Cardiovascular Interventions, 2017, 10, 1746-1759.	2.9	68
48	Ivabradine in Children With Dilated Cardiomyopathy and Symptomatic Chronic Heart Failure. Journal of the American College of Cardiology, 2017, 70, 1262-1272.	2.8	68
49	Absence of Pulmonary Artery Growth After Fontan Operation and Its Possible Impact on Late Outcome. Annals of Thoracic Surgery, 2009, 87, 826-831.	1.3	67
50	Single-center experience with treatment of cardiogenic shock in children by pediatric ventricular assist devices. Journal of Thoracic and Cardiovascular Surgery, 2011, 141, 616-623.e1.	0.8	66
51	Repair of anomalous origin of the left coronary artery from the pulmonary artery in infants and children. Journal of Thoracic and Cardiovascular Surgery, 2011, 142, 868-874.	0.8	65
52	Comparative DNA methylation and gene expression analysis identifies novel genes for structural congenital heart diseases. Cardiovascular Research, 2016, 112, 464-477.	3.8	65
53	Treatment of atrial septal defects in symptomatic children aged less than 2 years of age using the Amplatzer septal occluder. Cardiology in the Young, 2000, 10, 534-537.	0.8	62
54	Diagnosis and treatment of post-transplantation lymphoproliferative disorder in pediatric heart transplant patients. Pediatric Transplantation, 2009, 13, 54-62.	1.0	62

#	ARTICLE	IF	CITATIONS
55	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, 623-631.	2.6	62
56	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, 1525-1535.	2.8	61
57	Extracorporeal membrane oxygenation for intraoperative cardiac support in children with congenital heart disease. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010, 10, 753-758.	1.1	60
58	Integrated analysis of atrioventricular interactions in tetralogy of Fallot. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H364-H371.	3.2	59
59	Molecular genetics of congenital atrial septal defects. <i>Clinical Research in Cardiology</i> , 2010, 99, 137-147.	3.3	58
60	Clopidogrel in Infants with Systemic-to-Pulmonary-Artery Shunts. <i>New England Journal of Medicine</i> , 2013, 368, 2377-2384.	27.0	57
61	Pressure Fields by Flow-Sensitive, 4D, Velocity-Encoded CMR in Patients With Aortic Coarctation. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 920-926.	5.3	57
62	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.	1.6	56
63	Characterization of TBX20 in human hearts and its regulation by TFAP2. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1022-1033.	2.6	55
64	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, 277-281.	0.8	53
65	Hypothermia downregulates inflammation but enhances IL-6 secretion by stimulated endothelial cells. <i>Cryobiology</i> , 2008, 57, 216-222.	0.7	53
66	Postoperative phrenic nerve palsy: early clinical implications and management. <i>Intensive Care Medicine</i> , 2006, 32, 1227-1233.	8.2	52
67	Hypothermia suppresses inflammation via ERK signaling pathway in stimulated microglial cells. <i>Journal of Neuroimmunology</i> , 2007, 189, 7-16.	2.3	52
68	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, 313-322.	1.5	51
69	T1 mapping in ischaemic heart disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 597-602.	1.2	50
70	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, 309-314.	2.1	48
71	Coagulation Management in Pediatric Mechanical Circulatory Support. <i>ASAIO Journal</i> , 2007, 53, 640-645.	1.6	48
72	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, 120-126.	1.7	48

#	ARTICLE	IF	CITATIONS
73	Modified Surgical Techniques and Long-Term Outcome of Mitral Valve Reconstruction in 111 Children. <i>Annals of Thoracic Surgery</i> , 2008, 86, 604-613.	1.3	47
74	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, 160-167.	3.3	46
75	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, 3115-3128.	2.9	46
76	Carotid-Subclavian Artery Index: New Echocardiographic Index to Detect Coarctation in Neonates and Infants. <i>Annals of Thoracic Surgery</i> , 2005, 80, 1652-1657.	1.3	43
77	Influence of Intravenous Sildenafil on Cerebral Oxygenation Measured by Near-Infrared Spectroscopy in Infants After Cardiac Surgery. <i>Pediatric Research</i> , 2006, 59, 462-465.	2.3	43
78	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	43
79	Integrated Assessment of Diastolic and Systolic Ventricular Function Using Diagnostic Cardiac Magnetic Resonance Catheterization. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 1271-1281.	5.3	42
80	Sexuality and Reproductive Health in Women With Congenital Heart Disease. <i>American Journal of Cardiology</i> , 2010, 105, 538-541.	1.6	41
81	Follow-Up of Patients with Interventional Closure of Ventricular Septal Defects with Amplatzer Duct Occluder II. <i>Pediatric Cardiology</i> , 2015, 36, 379-385.	1.3	41
82	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.	3.3	40
83	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, 1565-1568.	0.8	39
84	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.	3.7	39
85	Management of pediatric patients after implantation of the Berlin Heart EXCOR ventricular assist device. <i>ASAIO Journal</i> , 2006, 52, 497-500.	1.6	39
86	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, 1425-1436.	1.3	38
87	Percutaneous Tricuspid Valve Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, .	3.9	38
88	Hemodynamic Evaluation of a Biological and Mechanical Aortic Valve Prosthesis Using Patientâ€¢Specific MRIâ€¢Based CFD. <i>Artificial Organs</i> , 2018, 42, 49-57.	1.9	38
89	Interventional closure of atrial septal defects without fluoroscopy in adult and pediatric patients. <i>Clinical Research in Cardiology</i> , 2012, 101, 691-700.	3.3	37
90	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, 1705-1712.	3.4	37

#	ARTICLE	IF	CITATIONS
91	Results of aortic valve repair using decellularized bovine pericardium in congenital surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 54, 986-992.	1.4	37
92	Severity of Fontan-Associated Liver Disease Correlates with Fontan Hemodynamics. <i>Pediatric Cardiology</i> , 2020, 41, 736-746.	1.3	37
93	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, 1370-1374.	1.6	35
94	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.	1.0	35
95	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.	1.9	34
96	Intravenous clonidine infusion in infants after cardiovascular surgery. <i>Paediatric Anaesthesia</i> , 2008, 18, 217-222.	1.1	34
97	Mechanisms of hypothermia-induced cell protection mediated by microglial cells <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2010, 31, 779-787.	2.6	34
98	Dynamics in prevalence of Down syndrome in children with congenital heart disease. <i>European Journal of Pediatrics</i> , 2018, 177, 107-115.	2.7	34
99	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.	1.4	34
100	Quantification of morphologic and hemodynamic severity of coarctation of the aorta by magnetic resonance imaging. <i>Cardiology in the Young</i> , 2001, 11, 512-520.	0.8	33
101	Comparison of Analgesic/Sedative Effect of Racemic Ketamine and S(+)-Ketamine during Cardiac Catheterization in Newborns and Children. <i>Pediatric Cardiology</i> , 2003, 24, 424-429.	1.3	33
102	Familial congenital heart disease, progressive atrioventricular block and the cardiac homeobox transcription factor gene NKX2.5. <i>Clinical Research in Cardiology</i> , 2006, 95, 499-503.	3.3	33
103	Biventricular repair in children with complete atrioventricular septal defect and a small left ventricle†. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 40-47.	1.4	33
104	Analysis of the Risk Factors for Early Failure After Extracardiac Fontan Operation. <i>Annals of Thoracic Surgery</i> , 2013, 95, 1409-1416.	1.3	32
105	Pump size of Berlin Heart EXCOR pediatric device influences clinical outcome in children. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 816-821.	0.6	32
106	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.	0.6	32
107	Reintervention and Survival After Transcatheter Pulmonary Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2022, 79, 18-32.	2.8	32
108	Partial Anomalous Pulmonary Venous Drainage in Young Pediatric Patients: The Role of Magnetic Resonance Imaging. <i>Pediatric Cardiology</i> , 2009, 30, 458-464.	1.3	31

#	ARTICLE	IF	CITATIONS
109	Long-term cardiopulmonary exercise capacity after modified Fontan operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 37, 204-209.	1.4	31
110	Pregnancy-Related Obstetric and Cardiac Problems in Women After Atrial Switch Operation for Transposition of the Great Arteries. <i>Circulation Journal</i> , 2014, 78, 443-449.	1.6	31
111	Feasibility and efficacy of stent redilatation in aortic coarctation. <i>Catheterization and Cardiovascular Interventions</i> , 2008, 72, 552-556.	1.7	30
112	Hypothermia-Induced Neurite Outgrowth is Mediated by Tumor Necrosis Factor- α . <i>Brain Pathology</i> , 2010, 20, 771-779.	4.1	30
113	Rescue extracorporeal membrane oxygenation in children with refractory cardiac arrest. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011, 12, 929-934.	1.1	30
114	Postoperative arrhythmias in adults with congenital heart disease: Incidence and risk factors. <i>International Journal of Cardiology</i> , 2013, 169, 139-144.	1.7	30
115	Propofol Effect on Cerebral Oxygenation in Children with Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2015, 36, 543-549.	1.3	30
116	Is MRI-Based CFD Able to Improve Clinical Treatment of Coarctations of Aorta?. <i>Annals of Biomedical Engineering</i> , 2015, 43, 168-176.	2.5	29
117	Comparison of tracheal tube cuff diameters with internal transverse diameters of the trachea in children. <i>Acta Anaesthesiologica Scandinavica</i> , 2006, 50, 201-205.	1.6	28
118	Comparison of cardiac output measurement using the CardioQP TM oesophageal Doppler with cardiac output measurement using thermodilution technique in children during heart catheterisation*. <i>Anaesthesia</i> , 2008, 63, 851-855.	3.8	28
119	Routine Application of Bloodless Priming in Neonatal Cardiopulmonary Bypass: A 3-Year Experience. <i>Pediatric Cardiology</i> , 2017, 38, 807-812.	1.3	28
120	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.	1.7	28
121	Targeted panel sequencing in pediatric primary cardiomyopathy supports a critical role of <i>TNNI3</i> . <i>Clinical Genetics</i> , 2019, 96, 549-559.	2.0	28
122	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.	1.4	28
123	Aortic sinus-left atrial fistula after interventional closure of atrial septal defect. <i>Catheterization and Cardiovascular Interventions</i> , 2005, 66, 10-13.	1.7	27
124	Pathogenic Variants Associated With Dilated Cardiomyopathy Predict Outcome in Pediatric Myocarditis. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003250.	3.6	27
125	Echocardiographically Guided Closure of a Patent Foramen Ovale During Pregnancy After Recurrent Strokes. <i>Journal of Interventional Cardiology</i> , 2001, 14, 191-192.	1.2	26
126	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.	3.2	26

#	ARTICLE	IF	CITATIONS
127	Analysis of Arrhythmias After Correction of Partial Anomalous Pulmonary Venous Connection. <i>Annals of Thoracic Surgery</i> , 2009, 87, 580-583.	1.3	25
128	Transcatheter closure of atrial septal defects under echocardiographic guidance without X-ray: initial experiences. <i>Cardiology in the Young</i> , 1999, 9, 136-140.	0.8	24
129	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, 618-624.	1.3	24
130	Mid-term follow-up in patients with diaphragmatic plication after surgery for congenital heart disease. <i>Intensive Care Medicine</i> , 2007, 33, 1985-1992.	8.2	24
131	Stent implantation and balloon angioplasty for treatment of branch pulmonary artery stenosis in children. <i>Clinical Research in Cardiology</i> , 2008, 97, 310-317.	3.3	24
132	First implantation of the CE-marked transcatheter Sapien pulmonic valve in Europe. <i>Clinical Research in Cardiology</i> , 2011, 100, 85-87.	3.3	24
133	Mechanisms of hypothermia-induced cell protection in the brain. <i>Molecular and Cellular Pediatrics</i> , 2014, 1, 7.	1.8	24
134	RIKADA Study Reveals Risk Factors in Pediatric Primary Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2019, 8, e012531.	3.7	24
135	Adaptive growth and remodeling of transplanted hearts in children. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 1374-1383.	1.4	23
136	Optical Coherence Tomography for the Early Detection of Coronary Vascular Changes in Children and Adolescents After Cardiac Transplantation. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2492-2501.	5.3	23
137	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, 268-274.	0.8	22
138	Hypothermia protects H9c2 cardiomyocytes from H2O2 induced apoptosis. <i>Cryobiology</i> , 2011, 62, 53-61.	0.7	22
139	Pediatric heart transplantation: 23-year single-center experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, e83-e89.	1.4	22
140	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.	2.5	22
141	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.	0.2	22
142	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.	1.2	21
143	Staged Surgical Palliation in Hypoplastic Left Heart Syndrome and Its Variants. <i>Journal of Cardiac Surgery</i> , 2009, 24, 383-391.	0.7	21
144	Small Animal Look-Locker Inversion Recovery (SALLI) for Simultaneous Generation of Cardiac T1 Maps and Cine and Inversion Recoveryâ€”prepared Images at High Heart Rates: Initial Experience. <i>Radiology</i> , 2011, 261, 258-265.	7.3	21

#	ARTICLE	IF	CITATIONS
145	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, 928-934.	1.4	21
146	Outcome of Surgical Correction of Congenital Supravalvular Aortic Stenosis With Two- and Three-Sinus Reconstruction Techniques. <i>Annals of Thoracic Surgery</i> , 2014, 97, 634-640.	1.3	21
147	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.	3.3	21
148	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, 1456.	2.4	21
149	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.	3.2	21
150	Challenges Encountered During Closure of Atrial Septal Defects. <i>Pediatric Cardiology</i> , 2005, 26, 147-153.	1.3	20
151	Assessment of Regional Atrial Function in Patients with Hypertrophic Cardiomyopathies Using Tissue Doppler Imaging. <i>Pediatric Cardiology</i> , 2008, 29, 301-308.	1.3	20
152	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, 323-325.	1.3	19
153	Pulmonary Hypertension in a Case of Hb-Mainz Hemolytic Anemia. <i>Journal of Pediatric Hematology/Oncology</i> , 2007, 29, 173-177.	0.6	19
154	ICD Therapy in Children and Young Adults: Low Incidence of Inappropriate Shock Delivery. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 734-741.	1.2	19
155	Fate of the Aortic Valve Following the Arterial Switch Operation. <i>Journal of Cardiac Surgery</i> , 2010, 25, 730-736.	0.7	19
156	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.	0.8	19
157	CCN1 Mutation is Associated with Atrial Septal Defect. <i>Pediatric Cardiology</i> , 2015, 36, 295-299.	1.3	19
158	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.	2.3	19
159	Moderate therapeutic hypothermia induces multimodal protective effects in oxygen-glucose deprivation/reperfusion injured cardiomyocytes. <i>Mitochondrion</i> , 2017, 35, 1-10.	3.4	19
160	Closure of patent foramen ovale defects using GOREÂ® CARDIOFORM septal occluder: Results from a prospective European multicenter study. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 90, 824-829.	1.7	19
161	Prognostic value of serum biomarkers of cerebral injury in classifying neurological outcome after paediatric resuscitation. <i>Resuscitation</i> , 2018, 122, 113-120.	3.0	19
162	Educational level and employment status in adults with congenital heart disease. <i>Cardiology in the Young</i> , 2018, 28, 32-38.	0.8	19

#	ARTICLE	IF	CITATIONS
163	Long-term results after surgical repair of atrioventricular septal defect. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 28, 789-796.	1.1	19
164	Treatment strategies for protein-losing enteropathy in Fontan-palliated patients. <i>Cardiology in the Young</i> , 2020, 30, 698-709.	0.8	19
165	Transcatheter closure of a coronary sinus defect with an Amplatzer septal occluder. <i>Catheterization and Cardiovascular Interventions</i> , 2003, 60, 287-290.	1.7	18
166	Extracorporeal Membrane Oxygenation for Perioperative Cardiac Support in Children I: Experience at the Deutsches Herzzentrum Berlin (1987–2005). <i>ASAIO Journal</i> , 2007, 53, 246-254.	1.6	18
167	Coronary Flow Reserve Measurement Detects Transplant Coronary Artery Disease in Pediatric Heart Transplant Patients. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 514-521.	0.6	18
168	Three-dimensional alignment of the aggregated myocytes in the normal and hypertrophic murine heart. <i>Journal of Applied Physiology</i> , 2009, 107, 921-927.	2.5	18
169	Advantages of C2 Monitoring to Avoid Acute Rejection in Pediatric Heart Transplant Recipients. <i>Journal of Heart and Lung Transplantation</i> , 2006, 25, 619-625.	0.6	17
170	Biomarker Responses During Mid-term Mechanical Cardiac Support in Children. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 150-157.	0.6	17
171	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.	1.4	17
172	Integrative analysis of genomic variants reveals new associations of candidate haploinsufficient genes with congenital heart disease. <i>PLoS Genetics</i> , 2021, 17, e1009679.	3.5	17
173	Mitral Valve Repair for Infective Endocarditis in Children. <i>Annals of Thoracic Surgery</i> , 2007, 84, 2059-2065.	1.3	16
174	Balloon valvuloplasty of aortic valve stenosis in childhood: early and medium term results. <i>Clinical Research in Cardiology</i> , 2008, 97, 587-593.	3.3	16
175	Specific p38 inhibition in stimulated endothelial cells: A possible new anti-inflammatory strategy after hypothermia and rewarming. <i>Vascular Pharmacology</i> , 2009, 51, 246-252.	2.1	16
176	Surgery impacts right atrial function in tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1306-1311.	0.8	16
177	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.	1.4	16
178	Cardiac troponin I is increased after interventional closure of atrial septal defects. <i>Catheterization and Cardiovascular Interventions</i> , 2003, 58, 124-129.	1.7	15
179	Cast of Complex Congenital Heart Malformation in a Living Patient. <i>Circulation</i> , 2005, 112, e356-7.	1.6	15
180	Prediction of cardiac transcription networks based on molecular data and complex clinical phenotypes. <i>Molecular BioSystems</i> , 2008, 4, 589.	2.9	15

#	ARTICLE	IF	CITATIONS
181	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, 528-535.	0.8	15
182	Deep hypothermia therapy attenuates LPS-induced microglia neuroinflammation via the STAT3 pathway. <i>Neuroscience</i> , 2017, 358, 201-210.	2.3	15
183	Altered microRNA and target gene expression related to Tetralogy of Fallot. <i>Scientific Reports</i> , 2019, 9, 19063.	3.3	15
184	Common Genetic Variants Contribute to Risk of Transposition of the Great Arteries. <i>Circulation Research</i> , 2022, 130, 166-180.	4.5	15
185	Nationwide Registry-Based Analysis of Infective Endocarditis Risk After Pulmonary Valve Replacement. <i>Journal of the American Heart Association</i> , 2022, 11, e022231.	3.7	15
186	Arrhythmias in patients with surgically treated atrial septal defects. <i>Swiss Medical Weekly</i> , 2005, 135, 175-8.	1.6	15
187	Exercise capacity reflects ventricular function in patients having the Fontan circulation. <i>Cardiology in the Young</i> , 2009, 19, 340-345.	0.8	14
188	Transcatheter creation of an aortopulmonary shunt in an animal model. <i>Catheterization and Cardiovascular Interventions</i> , 2010, 75, 563-569.	1.7	14
189	Predictors of health-related quality of life in children with chronic heart disease. <i>Cardiology in the Young</i> , 2017, 27, 1455-1464.	0.8	14
190	Beyond Pressure Gradients: The Effects of Intervention on Heart Power in Aortic Coarctation. <i>PLoS ONE</i> , 2017, 12, e0168487.	2.5	14
191	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, 580-587.	1.3	13
192	How does hypothermia protect cardiomyocytes during cardioplegic ischemia?. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 352-9.	1.4	13
193	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.	0.9	13
194	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, 1846-1851.	1.6	13
195	Two Pumps for Single Ventricle: Mechanical Support for Establishment of Biventricular Circulation. <i>Annals of Thoracic Surgery</i> , 2017, 104, e143-e145.	1.3	13
196	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.	3.4	13
197	Immunodepression after CPB: Cytokine dynamics and clinics after pediatric cardiac surgery – A prospective trial. <i>Cytokine</i> , 2019, 122, 154018.	3.2	13
198	Methylprednisolone and Tacrolimus Prevent Hypothermia-Induced Endothelial Dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 718-724.	0.6	12

#	ARTICLE	IF	CITATIONS
199	Vascular endothelial growth factor and its soluble receptor in infants with congenital cardiac disease. <i>Cardiology in the Young</i> , 2010, 20, 505-508.	0.8	12
200	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, 963-971.	3.3	12
201	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, 2877-2888.	3.1	12
202	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, 470-479.	1.9	12
203	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, 64.	4.4	12
204	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.	1.4	12
205	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.	2.4	12
206	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.	0.9	12
207	Fast-track extubation after cardiac surgery in infants: Tug-of-war between performance and reimbursement?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 162, 435-443.	0.8	12
208	Diagnostic Catheterization and Balloon Sizing of Atrial Septal Defects by Echocardiography Guidance Without Fluoroscopy. <i>Echocardiography</i> , 2000, 17, 159-163.	0.9	11
209	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, 358-360.	0.7	11
210	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, 354-356.	1.1	11
211	Influence of size disparity of transplanted hearts on cardiac growth in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 168-177.	0.8	11
212	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, 952-957.	1.4	11
213	Mortality and morbidity in different immunization protocols for experimental autoimmune myocarditis in rats. <i>Acta Physiologica</i> , 2014, 210, 889-898.	3.8	11
214	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, 701-710.	3.3	11
215	Arrhythmia Detection in Pediatric Patients: ECG Quality and Diagnostic Yield of a Patient-Triggered Einthoven Lead-I Event Recorder (Zenicor EKG-2ä,,ç). <i>Pediatric Cardiology</i> , 2016, 37, 491-496.	1.3	11
216	RNA expression profiles and regulatory networks in human right ventricular hypertrophy due to high pressure load. <i>IScience</i> , 2021, 24, 102232.	4.1	11

#	ARTICLE	IF	CITATIONS
217	Atrial septal defect: waiting for symptoms remains an unsolved medical anachronism. <i>European Heart Journal</i> , 2011, 32, 531-534.	2.2	10
218	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.	1.6	10
219	Successful exclusion of an aortic aneurysm with a novel PTFEâ€tubule covered cobaltâ€chromium stent in a pediatric patient with native coarctation of the aorta. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 930-934.	1.7	10
220	First use and limitations of MagmarisÂ® bioresorbable stenting in a low birth weight infant with native aortic coarctation. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 1340-1343.	1.7	10
221	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.	1.7	10
222	Wearable devices can predict the outcome of standardized 6-minute walk tests in heart disease. <i>Npj Digital Medicine</i> , 2020, 3, 92.	10.9	10
223	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.	3.3	10
224	Persisting and reoccurring cyanosis after Fontan operation is associated with increased late mortality. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 61, 54-61.	1.4	10
225	Percutaneous closure of patent ductus arteriosus in small infants of less than 8½kg body weight using different devices. <i>European Journal of Pediatrics</i> , 2004, 163, 619-21.	2.7	9
226	Combination of a Hetzer operation and a Sebening stitch for Ebstein's anomaly. <i>General Thoracic and Cardiovascular Surgery</i> , 2007, 55, 355-359.	0.9	9
227	Non-invasive assessment of liver changes in Eisenmenger patients. <i>International Journal of Cardiology</i> , 2017, 249, 140-144.	1.7	9
228	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.	1.4	9
229	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> , 2021, 59, 341-348.	1.4	9
230	Preserved regional atrial contractile function following extra-atrial rather than intra-atrial type Fontan operation. <i>Clinical Research in Cardiology</i> , 2007, 96, 264-271.	3.3	8
231	Cerebral expression of neuroglobin and cytoglobin after deep hypothermic circulatory arrest in neonatal piglets. <i>Brain Research</i> , 2010, 1356, 1-10.	2.2	8
232	Upper cavo-pulmonary anastomosis by transcatheter technique. <i>Catheterization and Cardiovascular Interventions</i> , 2012, 80, 93-99.	1.7	8
233	Heterogeneity of Regional Function and Relation to Ventricular Morphology in Patients With Fontan Circulation. <i>American Journal of Cardiology</i> , 2013, 112, 1207-1213.	1.6	8
234	Diastolic asynchrony and myocardial dysfunction in patients with univentricular heart after Fontan operation. <i>Journal of Echocardiography</i> , 2013, 11, 130-137.	0.8	8

#	ARTICLE	IF	CITATIONS
235	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. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H45-H52.	3.2	8
236	Moderate hypothermia initiated during oxygen-glucose deprivation preserves HL-1 cardiomyocytes. Cryobiology, 2015, 70, 101-108.	0.7	8
237	Effects of mTOR and calcineurin inhibitors combined therapy in Epstein-Barr virus positive and negative Burkitt lymphoma cells. International Immunopharmacology, 2016, 30, 9-17.	3.8	8
238	MRI as a tool for non-invasive vascular profiling: a pilot study in patients with aortic coarctation. Expert Review of Medical Devices, 2016, 13, 103-112.	2.8	8
239	Educational achievement of children with congenital heart disease: Promising results from a survey by the German National Register of Congenital Heart Defects. Early Human Development, 2019, 128, 27-34.	1.8	8
240	Adult congenital open-heart surgery: emergence of a new mortality score. European Journal of Cardio-thoracic Surgery, 2020, 58, 171-176.	1.4	8
241	Diffuse myocardial fibrosis by T1 mapping is associated with heart failure in pediatric primary dilated cardiomyopathy. International Journal of Cardiology, 2021, 333, 219-225.	1.7	8
242	Reduced Systolic Function and Not Genetic Variants Determine Outcome in Pediatric and Adult Left Ventricular Noncompaction Cardiomyopathy. Frontiers in Pediatrics, 2021, 9, 722926.	1.9	8
243	Late Fontan failure in adult patients is predominantly associated with deteriorating ventricular function. International Journal of Cardiology, 2021, 344, 87-94.	1.7	8
244	A Multimodal Score Accurately Classifies Fontan Failure and Late Mortality in Adult Fontan Patients. Frontiers in Cardiovascular Medicine, 2022, 9, 767503.	2.4	8
245	New Aortic Root Remodeling Surgery in Aortic Root Aneurysm. Annals of Thoracic Surgery, 2010, 89, 1260-1264.	1.3	7
246	Reverse Graft Placement in the Florida Sleeve Procedure for Aortic Root Aneurysm. Annals of Thoracic Surgery, 2013, 95, 723-725.	1.3	7
247	Evaluation of contraceptive methods in women with congenital heart disease in Germany, Hungary and Japan. International Journal of Cardiology, 2016, 206, 13-18.	1.7	7
248	Magnetic resonance and computed tomography imaging fusion for live guidance of percutaneous pulmonary valve implantation. Postępy W Kardiologii Interwencyjnej, 2018, 14, 413-421.	0.2	7
249	Therapeutic Hypothermia After Perinatal Asphyxia in Infants With Severe, Ductal-Dependent Congenital Heart Disease*. Pediatric Critical Care Medicine, 2019, 20, 457-465.	0.5	7
250	Post-TTM Rebound Pyrexia after Ischemia-Reperfusion Injury Results in Sterile Inflammation and Apoptosis in Cardiomyocytes. Mediators of Inflammation, 2019, 2019, 1-10.	3.0	7
251	Outcomes After Transcatheter Reintervention for Dysfunction of a Previously Implanted Transcatheter Pulmonary Valve. JACC: Cardiovascular Interventions, 2020, 13, 1529-1540.	2.9	7
252	Germline variants in HEY2 functional domains lead to congenital heart defects and thoracic aortic aneurysms. Genetics in Medicine, 2021, 23, 103-110.	2.4	7

#	ARTICLE	IF	CITATIONS
253	Rare variants in KDR, encoding VEGF Receptor 2, are associated with tetralogy of Fallot. <i>Genetics in Medicine</i> , 2021, 23, 1952-1960.	2.4	7
254	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.	1.6	7
255	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, 115-121.	1.5	6
256	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, 306-314.	0.8	6
257	A Universal Delivery System for Percutaneous Heart Valve Implantation. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2683-2694.	2.5	6
258	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, 3, 269-272.	0.2	6
259	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, Volume 5, 33-43.	1.9	6
260	Surrogates for myocardial power and power efficiency in patients with aortic valve disease. <i>Scientific Reports</i> , 2019, 9, 16407.	3.3	6
261	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.	2.0	6
262	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> , 2022, 34, 297-306.	1.1	6
263	Cooling and Sterile Inflammation in an Oxygen-Glucose-Deprivation/Reperfusion Injury Model in BV-2 Microglia. <i>Mediators of Inflammation</i> , 2021, 2021, 1-16.	3.0	6
264	The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): third Paediatric (Paedi-EUROMACS) report. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	6
265	Influence of external cardiac pacing on cerebral oxygenation measured by near-infrared spectroscopy in children after cardiac surgery. <i>Paediatric Anaesthesia</i> , 2010, 20, 553-558.	1.1	5
266	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, 1848-1853.	1.3	5
267	Magnesium stents – fundamentals, biological implications and applications beyond coronary arteries. <i>BioNanoMaterials</i> , 2015, 16, .	1.4	5
268	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.	1.5	5
269	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.	1.9	5
270	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.	3.7	5

#	ARTICLE	IF	CITATIONS
271	Impact of predictive medicine on therapeutic decision making: a randomized controlled trial in congenital heart disease. <i>Npj Digital Medicine</i> , 2019, 2, 17.	10.9	5
272	Prospective multicenter study of the breakable babystent for treatment of aortic coarctation in newborns and infants. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1529-1537.	1.7	5
273	Nonsymptomatic Myocardial Injury After Radiofrequency and Cryoablation: A Study of Children and Patients With Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2012, 33, 1348-1354.	1.3	4
274	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, 530-535.	1.3	4
275	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.	0.8	4
276	Modified Rossâ€™Konno procedure in children: subcoronary implantation technique with Konno incision for annular and subannular hypoplasiaâ€™. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 27, 264-268.	1.1	4
277	Non-invasive assessment of liver alterations in Senning and Mustard patients. <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, S198-S208.	1.7	4
278	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.	1.4	4
279	Measuring myocardial extracellular volume of the right ventricle in patients with congenital heart disease. <i>Scientific Reports</i> , 2021, 11, 2679.	3.3	4
280	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.	2.5	4
281	Subacute Myocarditis Associated with Bocavirus Infection in an 8-Week-Old Infant. <i>Klinische Padiatrie</i> , 2017, 229, 103-105.	0.6	4
282	Home-Based Long-Term Physical Endurance and Inspiratory Muscle Training for Children and Adults With Fontan Circulationâ€™Initial Results From a Prospective Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 784648.	2.4	4
283	Development of subneopulmonary obstruction early after arterial switch operation in an adult. <i>Annals of Thoracic Surgery</i> , 1996, 61, 1518-1520.	1.3	3
284	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, 503-508.	1.3	3
285	Protein S-100 is present in extracerebral fluids before and after cardiac surgery in children. <i>Annals of Clinical Biochemistry</i> , 2008, 45, 409-412.	1.6	3
286	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, 419-425.	1.6	3
287	Alterations in creatine metabolism observed in experimental autoimmune myocarditis using ex vivo proton magic angle spinning MRS. <i>NMR in Biomedicine</i> , 2015, 28, 1625-1633.	2.8	3
288	Interventional reâ€™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.	1.7	3

#	ARTICLE	IF	CITATIONS
289	Assessment of a congenital heart surgery programme: a reappraisal. Interactive Cardiovascular and Thoracic Surgery, 2018, 27, 417-421.	1.1	3
290	Delivery room asphyxia in neonates with ductal-dependent congenital heart disease: a retrospective cohort study. Journal of Perinatology, 2019, 39, 1627-1634.	2.0	3
291	Fontan completion during winter season is not associated with higher mortality or morbidity in the early post-operative period. Cardiology in the Young, 2020, 30, 629-632.	0.8	3
292	Compensatory Upregulation of Anti-Beta-Adrenergic Receptor Antibody Levels Might Prevent Heart Failure Presentation in Pediatric Myocarditis. Frontiers in Pediatrics, 2022, 10, 881208.	1.9	3
293	Pathogenic Variants in Cardiomyopathy Disorder Genes Underlie Pediatric Myocarditisâ€”Further Impact of Heterozygous Immune Disorder Gene Variants?. Journal of Cardiovascular Development and Disease, 2022, 9, 216.	1.6	3
294	Pediatric Heart Transplant Candidates With Failed Donor Heart Allocation After Eurotransplant Urgency Listing Profit From Pretransplant Mechanical Circulatory Support Bridging. Artificial Organs, 2009, 33, 346-351.	1.9	2
295	Paravertebral Venous Access for Closure of a Collateral in a Pediatric Patient After Fontan Operation. Circulation: Cardiovascular Interventions, 2010, 3, e26-8.	3.9	2
296	Establishment of a Coculture Model for Studying Inflammation After Pediatric Cardiopulmonary Bypass: from Bench to Bedside. Journal of Interferon and Cytokine Research, 2012, 32, 269-276.	1.2	2
297	End-stage heart failure in children or patients suffering from congenital heart disease: are new treatment options emerging?. European Journal of Cardio-thoracic Surgery, 2013, 43, 886-887.	1.4	2
298	Assessment of Cardiac Function and Myocardial Morphology Using Small Animal Look-locker Inversion Recovery (SALLI) MRI in Rats. Journal of Visualized Experiments, 2013, , .	0.3	2
299	Systemic right ventricular morphology in the early postoperative course after extracardiac Fontan operation: is there still a need for special care?. European Journal of Cardio-thoracic Surgery, 2016, 51, ezw374.	1.4	2
300	Education of Children With Cyanotic Congenital Heart Disease After Neonatal Cardiac Surgery. Annals of Thoracic Surgery, 2020, 112, 1546-1552.	1.3	2
301	Interventional creation of an endogenous reverse Potts shunt in an infant with pulmonary hypertension and genetic surfactant disorderâ€”a case report. Cardiovascular Diagnosis and Therapy, 2020, 10, 1696-1700.	1.7	2
302	Mismatch between self-estimated and objectively assessed exercise capacity in patients with congenital heart disease varies in regard to complexity of cardiac defects. Cardiology in the Young, 2021, 31, 77-83.	0.8	2
303	Can Left Atrioventricular Valve Reduction Index (LAVRI) Predict the Surgical Strategy for Repair of Atrioventricular Septal Defect?. Pediatric Cardiology, 2021, 42, 898-905.	1.3	2
304	Family-Centered Care at Pediatric Cardiac Intensive Care Units in Germany and the Relationship With Parent and Infant Well-Being: A Study Protocol. Frontiers in Pediatrics, 2021, 9, 666904.	1.9	2
305	Longâ€term experience using CNiâ€free immunosuppression in selected paediatric heart transplant recipients. Pediatric Transplantation, 2021, 25, e14111.	1.0	2
306	The Impact of Prematurity on Morbidity and Mortality in Newborns with Dextro-transposition of the Great Arteries. Pediatric Cardiology, 2022, 43, 391-400.	1.3	2

#	ARTICLE	IF	CITATIONS
307	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.	1.3	2
308	Outcomes in very low birthweight infants with severe congenital heart defect following cardiac surgery within the first year of life. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	2
309	Four-Dimensional Computed Tomography-Guided Valve Sizing for Transcatheter Pulmonary Valve Replacement. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	2
310	Oral everolimus inhibits neointimal proliferation in prosthetic pulmonary valved stents in pigs. <i>Journal of Heart Valve Disease</i> , 2008, 17, 465-72.	0.5	2
311	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.	2.4	2
312	Sotrovimab in pediatric cardiac transplant recipients with SARS-CoV2 infection. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 1124-1126.	0.6	2
313	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.	0.8	1
314	Chronisch persistierende Parvovirus-B19-Myokarditis im Kleinkindalter. <i>Monatsschrift Fur Kinderheilkunde</i> , 1999, 147, 748-750.	0.1	1
315	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, 508-510.	0.7	1
316	We need a detailed phenome in the phenomenon of genetics and congenital heart disease. <i>Journal of Medical Genetics</i> , 2008, 45, 320-320.	3.2	1
317	Blood: a very special juice. The good and the evil. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, 1058-1059.	1.4	1
318	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.	0.8	1
319	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.	5.3	1
320	Open-heart surgery in neonates: current practice. <i>Journal of Cardiovascular Surgery</i> , 2018, 59, 299-301.	0.6	1
321	Different indications for transcatheter and surgical patent ductus arteriosus closure in preterm infants less than 2 kg. <i>International Journal of Cardiology</i> , 2018, 266, 83.	1.7	1
322	Unexpected ventricular tachycardia following acoustic provocation during electroencephalography. <i>Archives of Disease in Childhood</i> , 2020, 106, archdischild-2020-320420.	1.9	1
323	Corrigendum to: The European Registry for Patients with Mechanical Circulatory Support (EUROMACS): first EUROMACS Paediatric (Paedi-EUROMACS) report [Eur J Cardiothorac Surg 2018;54:800â€“8]. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 1019-1020.	1.4	1
324	Unusual Access. , 2021, , 201-209.		1

#	ARTICLE	IF	CITATIONS
325	Image-Based Computational Model Predicts Dobutamine-Induced Hemodynamic Changes in Patients With Aortic Coarctation. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011523.	2.6	1
326	Morphologic Alterations Precede Functional Hepatic Impairment as Determined by ¹³ C-Methacetin Liver Function Breath Test in Adult Fontan Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764009.	2.4	1
327	Revascularization of Left Subclavian to Common Carotid Artery Prepares for Covered Stent Implantation in Patients With Complex Aortic Coarctation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2022, 17, 237-243.	0.9	1
328	Hammock mitral valve and modified Paneth plasty. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 1076-1076.	1.4	0
329	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, 610-615.	0.8	0
330	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	0
331	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.	0.8	0
332	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, spcone.	3.4	0
333	The Effects of Targeted Temperature Management on Oxygen-Glucose Deprivation/Reperfusion-Induced Injury and DAMP Release in Murine Primary Cardiomyocytes. <i>Mediators of Inflammation</i> , 2020, 2020, 1-12.	3.0	0
334	Ventricular assist devices in paediatric cardiomyopathy and congenital heart disease: An analysis of the German National Register for Congenital Heart Defects. <i>International Journal of Cardiology</i> , 2021, 343, 37-44.	1.7	0
335	Transcatheter Aortic Valve Implantation and Simultaneous Closure of Ostium Secundum Atrial Septal Defect. <i>Heart Surgery Forum</i> , 2011, 14, 354.	0.5	0
336	Hypothermia for cardiogenic encephalopathy in neonates with dextro-transposition of the great arteries. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 32, 130-136.	1.1	0
337	Anatomic Repair of Congenitally Corrected Transposition: Reappraisal of Eligibility Criteria. <i>Pediatric Cardiology</i> , 2022, 43, 1214-1222.	1.3	0
338	Hemodynamic Changes During Physiological and Pharmacological Stress Testing in Patients With Heart Failure: A Systematic Review and Meta-Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 718114.	2.4	0