

Arno A W Roest

List of Publications by Year in descending order

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150
papers

3,445
citations

159585

30
h-index

168389

53
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157
all docs

157
docs citations

157
times ranked

3272
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Resonance Imaging to Assess the Hemodynamic Effects of Pulmonary Valve Replacement in Adults Late After Repair of Tetralogy of Fallot. <i>Circulation</i> , 2002, 106, 1703-1707.	1.6	337
2	Three-dimensional printed models for surgical planning of complex congenital heart defects: an international multicentre study. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 1139-1148.	1.4	191
3	Exercise MR Imaging in the Assessment of Pulmonary Regurgitation and Biventricular Function in Patients after Tetralogy of Fallot Repair. <i>Radiology</i> , 2002, 223, 204-211.	7.3	129
4	Vortex flow during early and late left ventricular filling in normal subjects: quantitative characterization using retrospectively-gated 4D flow cardiovascular magnetic resonance and three-dimensional vortex core analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 78.	3.3	118
5	Pulse Oximetry Measures a Lower Heart Rate at Birth Compared with Electrocardiography. <i>Journal of Pediatrics</i> , 2015, 166, 49-53.	1.8	114
6	Umbilical blood flow patterns directly after birth before delayed cord clamping. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F121-F125.	2.8	92
7	Assessment of viscous energy loss and the association with three-dimensional vortex ring formation in left ventricular inflow: In vivo evaluation using four-dimensional flow MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 794-805.	3.0	92
8	Measuring Physiological Changes during the Transition to Life after Birth. <i>Neonatology</i> , 2014, 105, 230-242.	2.0	89
9	Biventricular response to supine physical exercise in young adults assessed with ultrafast magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2001, 87, 601-605.	1.6	74
10	Pulmonary valve insertion late after repair of Fallot's tetralogy. <i>European Journal of Cardio-thoracic Surgery</i> , 2001, 19, 667-670.	1.4	72
11	Atrioventricular septal defect: From embryonic development to long-term follow-up. <i>International Journal of Cardiology</i> , 2016, 202, 784-795.	1.7	67
12	Energetics of Blood Flow in Cardiovascular Disease. <i>Circulation</i> , 2018, 137, 2393-2407.	1.6	65
13	Evaluation of congenital heart disease by magnetic resonance imaging. <i>European Radiology</i> , 2000, 10, 2-6.	4.5	56
14	Cardiovascular response to physical exercise in adult patients after atrial correction for transposition of the great arteries assessed with magnetic resonance imaging. <i>British Heart Journal</i> , 2004, 90, 678-684.	2.1	55
15	Noninvasive measurements of hemodynamic transition directly after birth. <i>Pediatric Research</i> , 2014, 75, 448-452.	2.3	55
16	ECG predictors of ventricular arrhythmias and biventricular size and wall mass in tetralogy of Fallot with pulmonary regurgitation. <i>British Heart Journal</i> , 2002, 88, 515-519.	2.1	53
17	Relation of Left Ventricular Twist and Global Strain with Right Ventricular Dysfunction in Patients After Operative "Correction" of Tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2010, 106, 723-729.	1.6	53
18	Cardiac resynchronization therapy in paediatric and congenital heart disease patients. <i>European Heart Journal</i> , 2011, 32, 2236-2246.	2.2	53

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19	Tetralogy of Fallot: 3D Velocity-encoded MR Imaging for Evaluation of Right Ventricular Valve Flow and Diastolic Function in Patients after Correction. <i>Radiology</i> , 2010, 256, 724-734.	7.3	48
20	Disparity Between Dobutamine Stress and Physical Exercise Magnetic Resonance Imaging in Patients with an Intra-atrial Correction for Transposition of the Great Arteries. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005, 7, 383-389.	3.3	46
21	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. <i>Radiology</i> , 2019, 290, 70-78.	7.3	43
22	Assessment of Intraventricular Time Differences in Healthy Children Using Two-Dimensional Speckle-Tracking Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 629-639.	2.8	42
23	Characterization and quantification of dynamic eccentric regurgitation of the left atrioventricular valve after atrioventricular septal defect correction with 4D Flow cardiovascular magnetic resonance and retrospective valve tracking. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 18.	3.3	41
24	Spin echo MRI in the evaluation of hearts with a double outlet right ventricle: usefulness and limitations. <i>Magnetic Resonance Imaging</i> , 2000, 18, 245-253.	1.8	38
25	Altered aortic 3D hemodynamics and geometry in pediatric Marfan syndrome patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 30.	3.3	38
26	Non-invasive measurements of ductus arteriosus flow directly after birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F408-F412.	2.8	37
27	Real-Time Three-Dimensional Echocardiography: Segmental Analysis of the Right Ventricle in Patients with Repaired Tetralogy of Fallot. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 1183-1190.	2.8	35
28	Mild Residual Pulmonary Stenosis in Tetralogy of Fallot Reduces Risk of Pulmonary Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2012, 94, 2077-2082.	1.3	33
29	Characterization and improved quantification of left ventricular inflow using streamline visualization with 4DFlow MRI in healthy controls and patients after atrioventricular septal defect correction. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1512-1520.	3.4	33
30	In-scan and re-scan assessment of LV and outflow volumes by 4D flow MRI versus 2D planimetry. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 511-522.	3.4	33
31	Management and Outcome in 32 Neonates with Thrombotic Events. <i>International Journal of Pediatrics (United Kingdom)</i> , 2011, 2011, 1-5.	0.8	31
32	Current Practice of Cord Clamping in The Netherlands: A Questionnaire Study. <i>Neonatology</i> , 2015, 107, 50-55.	2.0	31
33	Disparity in right vs left ventricular recovery during follow-up after ventricular septal defect correction in children. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 269-274.	1.4	30
34	Re-scan reproducibility of segmental aortic wall shear stress as assessed by phase-specific segmentation with 4D flow MRI in healthy volunteers. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 653-663.	2.0	30
35	Postoperative evaluation of congenital heart disease by magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 656-666.	3.4	29
36	Disproportionate intraventricular viscous energy loss in Fontan patients: analysis by 4D flow MRI. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 323-333.	1.2	29

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37	Cardiovascular Function and Flow by 4-Dimensional Magnetic Resonance Imaging Techniques. <i>Journal of Thoracic Imaging</i> , 2014, 29, 185-196.	1.5	28
38	Left and right ventricular performance after arterial switch operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1561-1567.	0.8	28
39	Decreased cerebral perfusion in Duchenne muscular dystrophy patients. <i>Neuromuscular Disorders</i> , 2017, 27, 29-37.	0.6	28
40	Imaging of patients with congenital heart disease. <i>Nature Reviews Cardiology</i> , 2012, 9, 101-115.	13.7	26
41	Unravelling cardiovascular disease using four dimensional flow cardiovascular magnetic resonance. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1069-1081.	1.5	26
42	Associations Between Blood Biomarkers, Cardiac Function, and Adverse Outcome in a Young Fontan Cohort. <i>Journal of the American Heart Association</i> , 2021, 10, e015022.	3.7	26
43	Altered left ventricular vortex ring formation by 4-dimensional flow magnetic resonance imaging after repair of atrioventricular septal defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 1233-1240.e1.	0.8	24
44	Living the heart in three dimensions: applications of 3D printing in CHD. <i>Cardiology in the Young</i> , 2019, 29, 733-743.	0.8	24
45	Thrombosis after umbilical venous catheterisation: prospective study with serial ultrasound. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 299-303.	2.8	24
46	Relationship between temporal sequence of right ventricular deformation and right ventricular performance in patients with corrected tetralogy of Fallot. <i>Heart</i> , 2011, 97, 231-236.	2.9	23
47	Scanâ€rescan reproducibility of diastolic left ventricular kinetic energy, viscous energy loss and vorticity assessment using 4D flow MRI: analysis in healthy subjects. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 905-920.	1.5	23
48	Exercise capacity and cardiac reserve in children and adolescents with corrected pulmonary atresia with intact ventricular septum after univentricular palliation and biventricular repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 569-575.	0.8	22
49	Tissue Doppler Imaging Detects Impaired Biventricular Performance Shortly After Congenital Heart Defect Surgery. <i>Pediatric Cardiology</i> , 2013, 34, 630-638.	1.3	22
50	Reproducibility of Aorta Segmentation on <sc>4D</sc> Flow <sc>MRI</sc> in Healthy Volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1268-1279.	3.4	22
51	Ventricular response to stress predicts outcome in adult patients with a systemic right ventricle. <i>American Heart Journal</i> , 2010, 160, 870-876.	2.7	21
52	Tissue Doppler imaging in the left ventricle and right ventricle in healthy children: normal age-related peak systolic velocities, timings, and time differences. <i>European Journal of Echocardiography</i> , 2011, 12, 953-960.	2.3	21
53	Inadvertent Migration of Umbilical Venous Catheters Often Leads to Malposition. <i>Neonatology</i> , 2019, 115, 205-210.	2.0	21
54	Prolonged cardiac recovery from exercise in asymptomatic adults late after atrial correction of transposition of the great arteries: evaluation with magnetic resonance flow mapping. <i>American Journal of Cardiology</i> , 2001, 88, 1011-1017.	1.6	20

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55	Intraatrial Repair of Transposition of the Great Arteries: Use of MR Imaging after Exercise to Evaluate Regional Systemic Right Ventricular Function. <i>Radiology</i> , 2005, 237, 861-867.	7.3	20
56	Respiratory distress syndrome and bronchopulmonary dysplasia after fetal growth restriction: Lessons from a natural experiment in identical twins. <i>EClinicalMedicine</i> , 2021, 32, 100725.	7.1	20
57	Assessment of cardiac function in three mouse dystrophinopathies by magnetic resonance imaging. <i>Neuromuscular Disorders</i> , 2012, 22, 418-426.	0.6	19
58	Cardiac MRI in postoperative congenital heart disease patients. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 511-528.	3.4	19
59	Incidence and risk factors of post-operative arrhythmias and sudden cardiac death after atrioventricular septal defect (AVSD) correction: Up to 47 years of follow-up. <i>International Journal of Cardiology</i> , 2018, 252, 88-93.	1.7	19
60	Longitudinal follow-up of ventricular performance in healthy neonates. <i>Early Human Development</i> , 2013, 89, 993-997.	1.8	18
61	3D printed cardiovascular models for surgical planning in complex congenital heart diseases. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	3.3	18
62	Stress increases intracardiac 4D flow cardiovascular magnetic resonance -derived energetics and vorticity and relates to VO2max in Fontan patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 43.	3.3	18
63	Serum cortisol concentration with exploratory cut-off values do not predict the effects of hydrocortisone administration in children with low cardiac output after cardiac surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012, 15, 685-689.	1.1	16
64	Ventricular Performance After Surgery for a Congenital Heart Defect as Assessed Using Advanced Echocardiography: From Doppler Flow to 3D Echocardiography and Speckle-Tracking Strain Imaging. <i>Pediatric Cardiology</i> , 2014, 35, 3-15.	1.3	15
65	Comparative Evaluation of Flow Quantification across the Atrioventricular Valve in Patients with Functional Univentricular Heart after Fontan's Surgery and Healthy Controls: Measurement by 4D Flow Magnetic Resonance Imaging and Streamline Visualization. <i>Congenital Heart Disease</i> , 2017, 12, 40-48.	0.2	15
66	Four-dimensional flow magnetic resonance imaging-derived blood flow energetics of the inferior vena cava-to-extracardiac conduit junction in Fontan patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 1202-1210.	1.4	15
67	Risk of Clinically Relevant Pericardial Effusion After Pediatric Cardiac Surgery. <i>Pediatric Cardiology</i> , 2019, 40, 585-594.	1.3	15
68	Tetralogy of Fallot: Postoperative Delayed Recovery of Left Ventricular Stroke Volume after Physical Exercise—Assessment with Fast MR Imaging. <i>Radiology</i> , 2003, 226, 278-284.	7.3	14
69	Body Fat Distribution, Overweight, and Cardiac Structures in School-Age Children: A Population-Based Cardiac Magnetic Resonance Imaging Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014933.	3.7	14
70	The Influence of Respiration on Blood Flow in the Fontan Circulation: Insights for Imaging-Based Clinical Evaluation of the Total Cavopulmonary Connection. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 683849.	2.4	14
71	4D flow cardiovascular magnetic resonance derived energetics in the Fontan circulation correlate with exercise capacity and CMR-derived liver fibrosis/congestion. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 21.	3.3	14
72	Corrected Tetralogy of Fallot: Comparison of Tissue Doppler Imaging and Velocity-encoded MR for Assessment of Performance and Temporal Activation of Right Ventricle. <i>Radiology</i> , 2011, 260, 88-97.	7.3	13

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73	Disturbed Intracardiac Flow Organization After Atrioventricular Septal Defect Correction as Assessed With 4D Flow Magnetic Resonance Imaging and Quantitative Particle Tracing. <i>Investigative Radiology</i> , 2015, 50, 850-857.	6.2	13
74	Relation of Prolonged Tissue Doppler Imaging-Derived Atrial Conduction Time to Atrial Arrhythmia in Adult Patients With Congenital Heart Disease. <i>American Journal of Cardiology</i> , 2012, 109, 1792-1796.	1.6	12
75	Enhanced Characterization of Ventricular Performance After Coarctation Repair in Neonates and Young Children. <i>Annals of Thoracic Surgery</i> , 2013, 96, 629-636.	1.3	12
76	The Influence of Crying on the Ductus Arteriosus Shunt and Left Ventricular Output at Birth. <i>Neonatology</i> , 2015, 107, 108-112.	2.0	12
77	How Normal Is a 'Normal' Heart in Fetuses and Infants with Down Syndrome?. <i>Fetal Diagnosis and Therapy</i> , 2016, 39, 13-20.	1.4	12
78	Regression and Complications of z-score-Based Giant Aneurysms in a Dutch Cohort of Kawasaki Disease Patients. <i>Pediatric Cardiology</i> , 2017, 38, 833-839.	1.3	12
79	Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 63-74.	1.8	11
80	Biventricular vortex ring formation corresponds to regions of highest intraventricular viscous energy loss in a Fontan patient: analysis by 4D Flow MRI. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 441-442.	1.5	10
81	Pulmonary ductal coarctation and left pulmonary artery interruption; pathology and role of neural crest and second heart field during development. <i>PLoS ONE</i> , 2020, 15, e0228478.	2.5	10
82	Segmental assessment of blood flow efficiency in the total cavopulmonary connection using four-dimensional flow magnetic resonance imaging: vortical flow is associated with increased viscous energy loss rate. <i>European Heart Journal Open</i> , 2021, 1, .	2.3	10
83	Echocardiographic Assessment of Embryonic and Fetal Mouse Heart Development: A Focus on Haemodynamics and Morphology. <i>Scientific World Journal</i> , The, 2014, 2014, 1-11.	2.1	9
84	Tornado-like flow in the Fontan circulation: insights from quantification and visualization of viscous energy loss rate using 4D flow MRI. <i>European Heart Journal</i> , 2019, 40, 2170-2170.	2.2	9
85	Impaired cardiac reserve in asymptomatic patients with moderate pulmonary restenosis late after relief of severe pulmonary stenosis: Evidence for diastolic dysfunction. <i>International Journal of Cardiology</i> , 2013, 167, 2836-2840.	1.7	8
86	Three dimensional right ventricular diastolic vortex rings: characterization and comparison with left ventricular diastolic vortex rings from 4D flow MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P42.	3.3	7
87	Third Trimester Fetal Cardiac Blood Flow and Cardiac Outcomes in School-Age Children Assessed By Magnetic Resonance Imaging. <i>Journal of the American Heart Association</i> , 2019, 8, e012821.	3.7	7
88	<i>TwinLIFE</i>: The <i>T</i>win <i>L</i>ongitudinal <i>I</i>nvestigation of <i>FE</i>tal Discordance. <i>Twin Research and Human Genetics</i> , 2019, 22, 617-622.	0.6	7
89	Late effects of pediatric hematopoietic stem cell transplantation on left ventricular function, aortic stiffness and myocardial tissue characteristics. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 6.	3.3	7
90	Altered Ascending Aorta Hemodynamics in Patients After Arterial Switch Operation for Transposition of the Great Arteries. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1105-1116.	3.4	7

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91	Pericardial adipose tissue, cardiac structures, and cardiovascular risk factors in school-age children. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 307-313.	1.2	7
92	Reduced scan time and superior image quality with 3D flow MRI compared to 4D flow MRI for hemodynamic evaluation of the Fontan pathway. <i>Scientific Reports</i> , 2021, 11, 6507.	3.3	7
93	Hemodynamic Consequences of an Undersized Extracardiac Conduit in an Adult Fontan Patient Revealed by 4-Dimensional Flow Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012612.	2.6	7
94	Extracardiac conduit adequacy along the respiratory cycle in adolescent Fontan patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	7
95	Right Ventricular Outflow Tract Obstruction in Monochorionic Twins with Selective Intrauterine Growth Restriction. <i>Case Reports in Pediatrics</i> , 2012, 2012, 1-4.	0.4	6
96	Tissue-Velocity Magnetic Resonance Imaging and Tissue Doppler Imaging to Assess Regional Myocardial Diastolic Velocities at the Right Ventricle in Corrected Pediatric Tetralogy of Fallot Patients. <i>Investigative Radiology</i> , 2012, 47, 189-196.	6.2	6
97	Increased Blood Pressure and Body Mass Index as Potential Modifiable Factors in The Progression of Myocardial Dysfunction in Duchenne Muscular Dystrophy. <i>Journal of Neuromuscular Diseases</i> , 2019, 6, 65-73.	2.6	6
98	Non-uniform mixing of hepatic venous flow and inferior vena cava flow in the Fontan conduit. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20201027.	3.4	6
99	Hemodynamic interplay of vorticity, viscous energy loss, and kinetic energy from 4D Flow MRI and link to cardiac function in healthy subjects and Fontan patients. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1687-H1698.	3.2	6
100	Effect of breathing on venous return during delayed cord clamping: an observational study. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2022, 107, 65-69.	2.8	6
101	Abnormal sinoatrial node development resulting from disturbed vascular endothelial growth factor signaling. <i>International Journal of Cardiology</i> , 2015, 183, 249-257.	1.7	5
102	Direct assessment of tricuspid regurgitation by 4D flow cardiovascular magnetic resonance in a patient with Ebstein's anomaly. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 587-588.	1.2	5
103	The effects of age at correction of aortic coarctation and recurrent obstruction on adolescent patients: MRI evaluation of wall shear stress and pulse wave velocity. <i>European Radiology Experimental</i> , 2019, 3, 24.	3.4	5
104	Associations of Maternal Glycemia in the First Half of Pregnancy With Alterations in Cardiac Structure and Function in Childhood. <i>Diabetes Care</i> , 2020, 43, 2272-2280.	8.6	5
105	Helical flow pattern in the right pulmonary artery after Fontan palliation. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1183-1183.	1.2	4
106	PS-316...Umbilical Blood Flow Patterns Directly After Birth Before Delayed Cord Clamping. <i>Archives of Disease in Childhood</i> , 2014, 99, A225.1-A225.	1.9	4
107	The Cardiovascular Stress Response as Early Life Marker of Cardiovascular Health: Applications in Population-Based Pediatric Studies—A Narrative Review. <i>Pediatric Cardiology</i> , 2020, 41, 1739-1755.	1.3	4
108	Changes in structural brain development after selective fetal growth restriction in monochorionic twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2022, 59, 747-755.	1.7	4

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109	Four-dimensional flow cardiovascular magnetic resonance for the evaluation of the atrial baffle after Mustard repair. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 353-353.	1.2	3
110	Case report of the broad spectrum of late complications in an adult patient with univentricular physiology palliated by the Fontan circulation. <i>European Heart Journal - Case Reports</i> , 2022, 6, ytac067.	0.6	3
111	Associations between blood biomarkers, cardiac function and adverse outcome in a young tetralogy of Fallot cohort. <i>International Journal of Cardiology</i> , 2022, , .	1.7	3
112	High-temporal velocity-encoded MRI for the assessment of left ventricular inflow propagation velocity: Comparison with color M-mode echocardiography. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1297-1304.	3.4	2
113	The effect of breathing on ductus arteriosus blood flow directly after birth. <i>European Journal of Pediatrics</i> , 2017, 176, 1581-1585.	2.7	2
114	Umbilical Vein Catheter Protruding Through a Pulmonary Vein in a Patient with an Infracardiac Type Total Abnormal Pulmonary Venous Drainage. <i>Pediatric Cardiology</i> , 2019, 40, 878-879.	1.3	2
115	Value of Global Longitudinal Strain for Identification and Monitoring of Left Ventricular Dysfunction in Becker Muscular Dystrophy. <i>American Journal of Cardiology</i> , 2022, 162, 170-176.	1.6	2
116	Wall shear stress in the thoracic aorta at rest and with dobutamine stress after arterial switch operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 814-822.	1.4	2
117	Associations of maternal angiogenic factors during pregnancy with alterations in cardiac development in childhood at 10 years of age. <i>American Heart Journal</i> , 2022, 247, 100-111.	2.7	2
118	False Aneurysms of an Ascending-Aorta-to-Abdominal-Aorta Bypass for Coarctation of the Aorta. <i>Circulation</i> , 2001, 103, E92-3.	1.6	1
119	Assessment of proximal right coronary artery and cardiac dimensions with low-dose volumetric computed tomographic angiography in a child. <i>Cardiology in the Young</i> , 2011, 21, 218-219.	0.8	1
120	Determinants of Outcome in Non-Septic Critically Ill Patients with Acute Kidney Injury on Continuous Venovenous Hemofiltration. <i>Nephron Extra</i> , 2011, 1, 91-100.	1.1	1
121	Reply to Koestenberger and Ravekes. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 1159-1159.	1.4	1
122	Disturbed diastolic left ventricular inflow vortex ring formation in patients with corrected atrioventricular septal defect: quantitative three-dimensional vortex core analysis from 4DFlow MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	3.3	1
123	Vortex flow in the left atrium in healthy controls and patients with mitral valve regurgitation after atrioventricular septal defect correction: evaluation with 4D Flow MRI and particle tracing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, Q123.	3.3	1
124	A full-term healthy neonate with respiratory distress. <i>Cardiology in the Young</i> , 2018, 28, 500-501.	0.8	1
125	Altered ascending aortic wall shear stress in patients with corrected atrioventricular septal defect: a comprehensive cardiovascular magnetic resonance and 4D flow MRI evaluation. <i>Cardiology in the Young</i> , 2019, 29, 637-642.	0.8	1
126	Pulmonary ductal coarctation: An entity associated with congenital heart defects involving the right ventricle outflow tract. <i>Journal of Cardiac Surgery</i> , 2021, 36, 4754-4755.	0.7	1

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127	Cardiovascular Magnetic Resonance of Simple Congenital Cardiovascular Defects. , 2010, , 395-407.		0
128	Validation and application of tissue-velocity magnetic resonance imaging for the assessment of regional diastolic velocities and diastolic performance of the right ventricle in corrected tetralogy of Fallot patients. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	0
129	Left and right ventricular performance after arterial switch operation in patients with transposition of the great arteries. European Heart Journal, 2013, 34, P2085-P2085.	2.2	0
130	Fetal echocardiography of a Vegf overexpression model shows impaired sino-atrial nodal function consistent with abnormal morphology. European Heart Journal, 2013, 34, P1445-P1445.	2.2	0
131	Volumetric Computed Tomography Angiography in the Evaluation of Mediastinal Fluid Collections following Congenital Cardiac Surgery. Case Reports in Pediatrics, 2013, 2013, 1-6.	0.4	0
132	Right Ventricular Wall-Motion Changes after Infant Open Heart Surgery-A Tissue Doppler Study. Echocardiography, 2014, 31, 548-548.	0.9	0
133	Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1436-1437.	0.8	0
134	The pathway of left ventricular blood flow in healthy subjects and patients with corrected atrio-ventricular septum defect: an observational study using 4DFlow MRI and particle tracing. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P136.	3.3	0
135	Differences in pulmonary flow patterns between surgical and percutaneous implanted bovine valves to restore the right ventricle outflow tract continuity: a four dimensional flow magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O44.	3.3	0
136	PP09.4 " 2839: Reduced cerebral blood flow in Duchenne muscular dystrophy and related to the Dp140 isoform. European Journal of Paediatric Neurology, 2015, 19, S65-S66.	1.6	0
137	Elevated energy loss in diastolic left ventricular inflow corresponds to an increase in kinetic energy in patients with a repaired atrioventricular septal defect: Quantification from 4D Flow MRI. Journal of Cardiovascular Magnetic Resonance, 2015, 17, O6.	3.3	0
138	Impact of disturbed diastolic vortex formation on viscous energy loss in the left ventricle: Quantitative 4D Flow MRI analysis of healthy controls and repaired atrioventricular septal defect patients. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P24.	3.3	0
139	Disturbed left ventricular inflow and ejection pattern in corrected atrioventricular septal defect patients assessed by 4DFlow MRI and particle tracing. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P59.	3.3	0
140	High-temporal velocity-encoded MRI for the assessment of left ventricular inflow propagation velocity: head-to-head comparison with Color M-mode echocardiography. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
141	Ascending aortic wall shear stress and distensibility are different in patients with corrected atrioventricular septal defect compared to healthy controls: a comprehensive CMR and 4D flow MRI evaluation. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P162.	3.3	0
142	Apical inflow is associated with increased energy loss during left ventricular diastole in patients with a repaired atrioventricular septal defect: a 4D flow MRI study. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P24.	3.3	0
143	Increased blood pressure and BMI in relation to cardiomyopathy in Duchenne muscular dystrophy. Neuromuscular Disorders, 2017, 27, S114.	0.6	0
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