

# Mike Tm Seed

## List of Publications by Year in descending order

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156  
papers

3,646  
citations

117453

34  
h-index

182168

51  
g-index

159  
all docs

159  
docs citations

159  
times ranked

3220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Fetal Cerebral Oxygen Consumption Is Associated With Smaller Brain Size in Fetuses With Congenital Heart Disease. <i>Circulation</i> , 2015, 131, 1313-1323.	1.6	405
2	Reference Ranges of Blood Flow in the Major Vessels of the Normal Human Fetal Circulation at Term by Phase-Contrast Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 663-670.	1.3	132
3	3D printing in medicine of congenital heart diseases. <i>3D Printing in Medicine</i> , 2016, 2, 3.	1.7	112
4	The hemodynamics of late-onset intrauterine growth restriction by MRI. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 367.e1-367.e17.	0.7	111
5	Feasibility of quantification of the distribution of blood flow in the normal human fetal circulation using CMR: a cross-sectional study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 82.	1.6	100
6	Metric optimized gating for fetal cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1304-1314.	1.9	82
7	Fetal cardiac tumors: a single-center experience of 40 cases. <i>Prenatal Diagnosis</i> , 2010, 30, 941-949.	1.1	76
8	Fetal stenting of the atrial septum: Technique and initial results in cardiac lesions with left atrial hypertension. <i>International Journal of Cardiology</i> , 2013, 168, 2029-2036.	0.8	68
9	Diffuse myocardial fibrosis following tetralogy of Fallot repair: a T1 mapping cardiac magnetic resonance study. <i>Pediatric Radiology</i> , 2014, 44, 403-409.	1.1	68
10	Cerebral oxygen delivery is reduced in newborns with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1095-1103.	0.4	67
11	Associations Between Age at Arterial Switch Operation, Brain Growth, and Development in Infants With Transposition of the Great Arteries. <i>Circulation</i> , 2019, 139, 2728-2738.	1.6	65
12	Fetal circulation in left-sided congenital heart disease measured by cardiovascular magnetic resonance: a case-control study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 65.	1.6	58
13	Assessment of Diffuse Ventricular Myocardial Fibrosis Using Native T1 in Children With Repaired Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	56
14	Disharmonious Patterns of Heterotaxy and Isomerism. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e006917.	1.3	51
15	The Cardiac Genome Clinic: implementing genome sequencing in pediatric heart disease. <i>Genetics in Medicine</i> , 2020, 22, 1015-1024.	1.1	51
16	Dynamic imaging of the fetal heart using metric optimized gating. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1598-1607.	1.9	50
17	Motion compensated cine CMR of the fetal heart using radial undersampling and compressed sensing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 29.	1.6	50
18	Noninvasive evaluation of blood oxygen saturation and hematocrit from $T_1$ and $T_2$ relaxation times: In vitro validation in fetal blood. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2352-2359.	1.9	48

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19	Fetal hemodynamics and cardiac streaming assessed by 4D flow cardiovascular magnetic resonance in fetal sheep. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 8.	1.6	47
20	Increased left ventricular myocardial extracellular volume is associated with longer cardiopulmonary bypass times, biventricular enlargement and reduced exercise tolerance in children after repair of Tetralogy of Fallot. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 75.	1.6	46
21	3D Modeling and Printing in Congenital Heart Surgery: Entering the Stage of Maturation. <i>Frontiers in Pediatrics</i> , 2021, 9, 621672.	0.9	46
22	Fetal Cardiac MRI. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 235-244.	0.7	45
23	Pediatric Fontan patients are at risk for myocardial fibrotic remodeling and dysfunction. <i>International Journal of Cardiology</i> , 2017, 240, 172-177.	0.8	44
24	Essential Modifiers of Double Outlet Right Ventricle. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e006891.	1.3	44
25	Accelerated MRI of the fetal heart using compressed sensing and metric optimized gating. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2125-2135.	1.9	43
26	Antenatal MR imaging of pulmonary lymphangiectasia secondary to hypoplastic left heart syndrome. <i>Pediatric Radiology</i> , 2009, 39, 747-749.	1.1	42
27	Normal human and sheep fetal vessel oxygen saturations by T2 magnetic resonance imaging. <i>Journal of Physiology</i> , 2020, 598, 3259-3281.	1.3	42
28	Relaxation properties of human umbilical cord blood at 1.5 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1678-1690.	1.9	40
29	MRI reveals hemodynamic changes with acute maternal hyperoxygenation in human fetuses with and without congenital heart disease. <i>Prenatal Diagnosis</i> , 2016, 36, 274-281.	1.1	39
30	Understanding the mechanism for branch pulmonary artery stenosis after the arterial switch operation for transposition of the great arteries. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 180-185.	0.5	39
31	Utility of Feed-and-Sleep Cardiovascular Magnetic Resonance in Young Infants with Complex Cardiovascular Disease. <i>Pediatric Cardiology</i> , 2015, 36, 809-812.	0.6	38
32	Interplay of brain structure and function in neonatal congenital heart disease. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 708-722.	1.7	37
33	Spectrum and Outcome of Primary Cardiomyopathies Diagnosed During Fetal Life. <i>JACC: Heart Failure</i> , 2014, 2, 403-411.	1.9	36
34	Brain Injury in Infants with Critical Congenital Heart Disease: Insights from Two Clinical Cohorts with Different Practice Approaches. <i>Journal of Pediatrics</i> , 2019, 215, 75-82.e2.	0.9	36
35	Treatment of fetal circular shunt with non-steroidal anti-inflammatory drugs. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 841-846.	0.9	34
36	MRI shows limited mixing between systemic and pulmonary circulations in foetal transposition of the great arteries: a potential cause of in utero pulmonary vascular disease. <i>Cardiology in the Young</i> , 2015, 25, 737-744.	0.4	33

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37	Brain Sparing in Fetal Mice: BOLD MRI and Doppler Ultrasound Show Blood Redistribution During Hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1082-1088.	2.4	32
38	The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. <i>Journal of Physiology</i> , 2018, 596, 5625-5640.	1.3	32
39	Contemporary Outcomes and Factors Associated With Mortality After a Fetal or Neonatal Diagnosis of Ebstein Anomaly and Tricuspid Valve Disease. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1500-1506.	0.8	29
40	Feasibility of detecting myocardial infarction in the sheep fetus using late gadolinium enhancement CMR imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 69.	1.6	29
41	Quantification and Significance of Diffuse Myocardial Fibrosis and Diastolic Dysfunction in Childhood Hypertrophic Cardiomyopathy. <i>Pediatric Cardiology</i> , 2015, 36, 970-978.	0.6	28
42	New advances in fetal cardiovascular magnetic resonance imaging for quantifying the distribution of blood flow and oxygen transport: Potential applications in fetal cardiovascular disease diagnosis and therapy. <i>Echocardiography</i> , 2017, 34, 1799-1803.	0.3	27
43	Feto- and utero-placental vascular adaptations to chronic maternal hypoxia in the mouse. <i>Journal of Physiology</i> , 2018, 596, 3285-3297.	1.3	27
44	Multidimensional fetal flow imaging with cardiovascular magnetic resonance: a feasibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 77.	1.6	27
45	Human umbilical cord blood relaxation times and susceptibility at 3 T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3194-3206.	1.9	26
46	Understanding Fetal Hemodynamics Using Cardiovascular Magnetic Resonance Imaging. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 354-362.	0.6	26
47	Computer-aided detection for the identification of pulmonary nodules in pediatric oncology patients: initial experience. <i>Pediatric Radiology</i> , 2009, 39, 685-693.	1.1	25
48	Assessment of flow distribution in the mouse fetal circulation at late gestation by high-frequency Doppler ultrasound. <i>Physiological Genomics</i> , 2014, 46, 602-614.	1.0	25
49	Maternal hyperoxygenation and foetal cardiac MRI in the assessment of the borderline left ventricle. <i>Cardiology in the Young</i> , 2015, 25, 1214-1217.	0.4	25
50	Left ventricular remodelling in long-term survivors after the arterial switch operation for transposition of the great arteries. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 101-107.	0.5	24
51	Feasibility of phase-contrast cine magnetic resonance imaging for measuring blood flow in the sheep fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R780-R792.	0.9	24
52	Increased extracellular volume in the liver of pediatric Fontan patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 39.	1.6	24
53	Fetal brain growth and risk of postnatal white matter injury in critical congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1007-1014.e1.	0.4	24
54	Subcutaneous maternal resveratrol treatment increases uterine artery blood flow in the pregnant ewe and increases fetal but not cardiac growth. <i>Journal of Physiology</i> , 2019, 597, 5063-5077.	1.3	23

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55	Foetal blood flow measured using phase contrast cardiovascular magnetic resonance – preliminary data comparing 1.5T with 3.0T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 30.	1.6	22
56	MR assessment of abdominal circulation in Fontan physiology. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1065-1072.	0.7	20
57	Direct measurement of aortic regurgitation with phase-contrast magnetic resonance is inaccurate: proposal of an alternative method of quantification. <i>Pediatric Radiology</i> , 2014, 44, 1358-1369.	1.1	19
58	Preliminary Experience Using Motion Compensated CINE Magnetic Resonance Imaging to Visualise Fetal Congenital Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007745.	1.3	19
59	Diffuse Myocardial Fibrosis in Children and Adolescents With Marfan Syndrome and Loeys-Dietz Syndrome. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2279-2281.	1.2	19
60	The utility of MRI for measuring hematocrit in fetal anemia. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, 81.e1-81.e13.	0.7	19
61	Low preoperative superior vena cava blood flow predicts bidirectional cavopulmonary shunt failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 1529-1540.e4.	0.4	19
62	Maternal hyperoxygenation in congenital heart disease. <i>Translational Pediatrics</i> , 2021, 10, 2197-2209.	0.5	19
63	Longitudinal Brain and Body Growth in Fetuses With and Without Transposition of the Great Arteries. <i>Circulation</i> , 2018, 138, 1368-1370.	1.6	18
64	From Diagnoses to Ongoing Journey: Parent Experiences Following Congenital Heart Disease Diagnoses. <i>Journal of Pediatric Psychology</i> , 2019, 44, 924-936.	1.1	18
65	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. <i>Frontiers in Physiology</i> , 2019, 10, 208.	1.3	17
66	Fetal brain sparing in a mouse model of chronic maternal hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1172-1184.	2.4	17
67	MR imaging of the fetal heart. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1030-1044.	1.9	16
68	Achieving sustained extrauterine life: Challenges of an artificial placenta in fetal pigs as a model of the preterm human fetus. <i>Physiological Reports</i> , 2021, 9, e14742.	0.7	16
69	An MRI approach to assess placental function in healthy humans and sheep. <i>Journal of Physiology</i> , 2021, 599, 2573-2602.	1.3	16
70	Feasibility of ventricular volumetry by cardiovascular MRI to assess cardiac function in the fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 2557-2573.	1.3	16
71	Early changes in right ventricular function and their clinical consequences in childhood and adolescent dilated cardiomyopathy. <i>Cardiology in the Young</i> , 2010, 20, 418-425.	0.4	14
72	Mesenchymal hamartoma: prenatal diagnosis by MRI. <i>Pediatric Radiology</i> , 2011, 41, 781-784.	1.1	14

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73	Splanchnic, Thoracoabdominal, and Cerebral Blood Flow Volumes in Healthy Children and Young Adults in Fasting and Postprandial States: Determining Reference Ranges by Using Phase-Contrast MR Imaging. <i>Radiology</i> , 2017, 285, 231-241.	3.6	14
74	Current and future role of fetal cardiovascular MRI in the setting of fetal cardiac interventions. <i>Prenatal Diagnosis</i> , 2020, 40, 71-83.	1.1	14
75	Cardiothoracic ratio on chest radiograph in pediatric heart disease: How does it correlate with heart volumes at magnetic resonance imaging?. <i>Pediatric Radiology</i> , 2015, 45, 1616-1623.	1.1	13
76	Diagnosis of secondary pulmonary lymphangiectasia in congenital heart disease: a novel role for chest ultrasound and prognostic implications. <i>Pediatric Radiology</i> , 2017, 47, 1441-1451.	1.1	13
77	A mouse model of hypoplastic left heart syndrome demonstrating left heart hypoplasia and retrograde aortic arch flow. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	13
78	A mouse model of antepartum stillbirth. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 443.e1-443.e11.	0.7	12
79	Improving Prenatal Diagnosis of Coarctation of the Aorta. <i>Canadian Journal of Cardiology</i> , 2019, 35, 453-461.	0.8	12
80	Normative Data for Myocardial Native T1 and Extracellular Volume Fraction in Children. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190234.	0.9	12
81	Myocardial Perfusion, Fibrosis, and Contractility in Children With Kawasaki Disease. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1922-1924.	2.3	11
82	Motion robust respiratory-resolved 3D radial flow MRI and its application in neonatal congenital heart disease. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 535-548.	1.9	11
83	Magnetic resonance imaging reveals elevated aortic pulse wave velocity in obese and overweight adolescents. <i>Clinical Obesity</i> , 2017, 7, 360-367.	1.1	10
84	Uterine artery and umbilical vein blood flow are unaffected by moderate habitual physical activity during pregnancy. <i>Prenatal Diagnosis</i> , 2019, 39, 976-985.	1.1	10
85	Detecting metabolic differences in fetal and adult sheep adipose and skeletal muscle tissues. <i>Journal of Biophotonics</i> , 2020, 13, e201960085.	1.1	10
86	Umbilical vein infusion of prostaglandin I <sub>2</sub> increases ductus venosus shunting of oxygen-rich blood but does not increase cerebral oxygen delivery in the fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 4957-4967.	1.3	10
87	Fetal cardiovascular response to acute hypoxia during maternal anesthesia. <i>Physiological Reports</i> , 2020, 8, e14365.	0.7	10
88	Fetal brain issues in congenital heart disease. <i>Translational Pediatrics</i> , 2021, 10, 2182-2196.	0.5	10
89	Magnetic Resonance Imaging Assessment of Blood Flow Distribution in Fenestrated and Completed Fontan Circulation with Special Emphasis on Abdominal Blood Flow. <i>Korean Journal of Radiology</i> , 2019, 20, 1186.	1.5	10
90	Pulmonary artery pulsatility and effect on vessel diameter assessment in magnetic resonance imaging. <i>European Journal of Radiology</i> , 2014, 83, 378-383.	1.2	9

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91	Technique for comprehensive fetal hepatic blood flow assessment in sheep using 4D flow MRI. Journal of Physiology, 2020, 598, 3555-3567.	1.3	9
92	Fetal Flow Quantification in Great Vessels Using Motion-Corrected Radial Phase Contrast MRI : Comparison With Cartesian. Journal of Magnetic Resonance Imaging, 2021, 53, 540-551.	1.9	9
93	Brain perfusion imaging in neonates. NeuroImage: Clinical, 2021, 31, 102756.	1.4	9
94	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. Journal of Biophotonics, 2021, 14, e202100157.	1.1	9
95	Adverse fibrosis remodeling and aortopulmonary collateral flow are associated with poor Fontan outcomes. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 134.	1.6	9
96	Isolated Anomalous Origin of the Right Coronary Artery From the Pulmonary Artery in an Asymptomatic 12-Year-Old Girl: Role of MRI in Depicting the Anatomy, Detecting the Ischemic Burden, and Quantifying the Amount of Left-to-Right Shunt. World Journal for Pediatric & Congenital Heart Surgery, 2013, 4, 201-205.	0.3	8
97	Sutureless Versus Conventional Pulmonary Vein Repair: A Magnetic Resonance Pilot Study. Annals of Thoracic Surgery, 2018, 105, 1248-1254.	0.7	8
98	Fetal XCMR: a numerical phantom for fetal cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 29.	1.6	8
99	Anticoagulation therapy and the risk of perioperative brain injury in neonates with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 2406-2413.e2.	0.4	8
100	Negative Impact of Obesity on Ventricular Size and Function and Exercise Performance in Children and Adolescents With Repaired Tetralogy of Fallot. Canadian Journal of Cardiology, 2020, 36, 1482-1490.	0.8	8
101	Cross Attention Squeeze Excitation Network (CASE-Net) for Whole Body Fetal MRI Segmentation. Sensors, 2021, 21, 4490.	2.1	7
102	Prenatal Diagnosis of Vascular Ring: Evaluation of Fetal Diagnosis and Postnatal Outcomes. Journal of the American Society of Echocardiography, 2022, 35, 312-321.	1.2	7
103	Normal Drainage, Abnormal Connection. World Journal for Pediatric & Congenital Heart Surgery, 2012, 3, 508-510.	0.3	6
104	In Utero Brain Development in Fetuses With Congenital Heart Disease. Circulation: Cardiovascular Imaging, 2017, 10, e007181.	1.3	6
105	Label-free imaging of redox status and collagen deposition showing metabolic differences in the heart. Journal of Biophotonics, 2018, 11, e201700242.	1.1	6
106	Dual phase infusion with bolus tracking: technical innovation for cardiac and respiratory navigated magnetic resonance angiography using extracellular contrast. Pediatric Radiology, 2019, 49, 399-406.	1.1	6
107	Fetal cardiovascular magnetic resonance imaging. Pediatric Radiology, 2020, 50, 1881-1894.	1.1	6
108	Systematic Approach to Malalignment Type Ventricular Septal Defects. Journal of the American Heart Association, 2020, 9, e018275.	1.6	6

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109	Impact of resveratrol-mediated increase in uterine artery blood flow on fetal haemodynamics, blood pressure and oxygenation in sheep. <i>Experimental Physiology</i> , 2021, 106, 1166-1180.	0.9	6
110	Myocardial Fibrosis in Pediatric Patients With Ebstein's Anomaly. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011136.	1.3	6
111	Intrauterine growth restriction alters the activity of drug metabolising enzymes in the maternal-placental-fetal unit. <i>Life Sciences</i> , 2021, 285, 120016.	2.0	6
112	Prenatal Diagnosis and Management of Single-Ventricle Heart Disease. <i>Canadian Journal of Cardiology</i> , 2022, 38, 897-908.	0.8	6
113	Identification of Novel miRNAs Involved in Cardiac Repair Following Infarction in Fetal and Adolescent Sheep Hearts. <i>Frontiers in Physiology</i> , 2020, 11, 614.	1.3	5
114	Gas Exchange across the Placenta. , 2020, , 34-56.		5
115	Update on fetal cardiovascular magnetic resonance and utility in congenital heart disease. <i>Journal of Congenital Cardiology</i> , 2021, 5, .	0.5	5
116	Haemodynamics and cerebral oxygenation of neonatal piglets in the immediate <i>ex utero</i> period supported by mechanical ventilation or <i>ex utero</i> oxygenator. <i>Journal of Physiology</i> , 2021, 599, 2751-2761.	1.3	5
117	Maternal and Fetal Hemodynamic Adaptations to Pregnancy and Clinical Outcomes in Maternal Cardiac Disease. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1942-1950.	0.8	5
118	Hemorrhagic transformation and stroke recurrence in children with cardiac disease receiving antithrombotic therapy for secondary stroke prevention. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2428-2439.	1.9	5
119	MRI reveals hemodynamic changes with acute maternal hyperoxygenation in human fetuses with and without congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O55.	1.6	4
120	Accelerated phase contrast measurements of fetal blood flow using compressed sensing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P30.	1.6	4
121	Decreased Brain Volumes and Infants With Congenital Heart Disease Undergoing Venoarterial Extracorporeal Membrane Oxygenation. <i>Pediatric Critical Care Medicine</i> , 2020, 21, 738-745.	0.2	4
122	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. <i>Physiological Genomics</i> , 2020, 52, 143-159.	1.0	4
123	Impact of maternal late gestation undernutrition on surfactant maturation, pulmonary blood flow and oxygen delivery measured by magnetic resonance imaging in the sheep fetus. <i>Journal of Physiology</i> , 2021, 599, 4705-4724.	1.3	4
124	Impact of fetal haemodynamics on surgical and neurodevelopmental outcomes in patients with Ebstein anomaly and tricuspid valve dysplasia. <i>Cardiology in the Young</i> , 2022, 32, 1768-1779.	0.4	4
125	Fetal cardiovascular blood flow MRI: techniques and applications. <i>British Journal of Radiology</i> , 0, , .	1.0	4
126	Magnetic Resonance Imaging as a Decision-Making Tool in Congenital Heart Disease Surgery. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2014, 19, 152-163.	0.2	3



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127	Fetal haemodynamic assessment in a case of late-onset intrauterine growth restriction by phase contrast MRI and T2 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P27.	1.6	3
128	The Pediatric Heart Network Scholar Award programme: a unique mentored award embedded within a multicentre network. <i>Cardiology in the Young</i> , 2018, 28, 854-861.	0.4	3
129	Mapping versus source methods for quantifying myocardial T1 in controls and in repaired tetralogy of Fallot: interchangeability and reproducibility in children. <i>Pediatric Radiology</i> , 2019, 49, 1152-1162.	1.1	3
130	Standardisation of management after Norwood operation has not improved 1-year outcomes. <i>Cardiology in the Young</i> , 2021, 31, 105-113.	0.4	3
131	PPAR $\beta$ activation in late gestation does not promote surfactant maturation in the fetal sheep lung. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 963-974.	0.7	3
132	A Life-Course Approach to the Neurodevelopmental Trajectory of Congenital Heart Disease. <i>Circulation</i> , 2021, 143, 892-894.	1.6	3
133	The Many Faces of Neonatal Ductus Arteriosus Aneurysms: Multimodality Imaging with an Emphasis on CT and MRI Appearance. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e210017.	0.9	3
134	Open or closed: Changes in ductus arteriosus flow patterns at birth using 4D flow MRI in newborn piglets. <i>Physiological Reports</i> , 2021, 9, e14999.	0.7	3
135	Diffuse myocardial fibrosis using native T1 mapping in children with repaired Tetralogy of Fallot: correlation with surgical factors and exercise capacity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O27.	1.6	2
136	Reduced combined ventricular output and increased oxygen extraction fraction in a fetus with complete heart block demonstrated by MRI. <i>HeartRhythm Case Reports</i> , 2016, 2, 164-168.	0.2	2
137	Response to Letter Regarding Article, "Reduced Fetal Cerebral Oxygen Consumption Is Associated With Smaller Brain Size in Fetuses With Congenital Heart Disease". <i>Circulation</i> , 2016, 133, e8.	1.6	2
138	Magnetic resonance imaging of cardiovascular thrombi in children. <i>Pediatric Radiology</i> , 2018, 48, 722-731.	1.1	2
139	Human Fetal Blood Flow Quantification with Magnetic Resonance Imaging and Motion Compensation. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
140	Noninvasive MR imaging techniques for measuring femoral arterial flow in a pediatric and adolescent cohort. <i>Physiological Reports</i> , 2022, 10, .	0.7	2
141	MRI reveals increased superior vena caval blood flow in human fetuses with congenital heart disease, abnormal placental pathology and neonatal brain white matter changes. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	1.6	1
142	Reduced fetal cerebral oxygen consumption is associated with abnormal white matter in newborns with congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P201.	1.6	1
143	Effect of hydration status on atrial and ventricular volumes and function in healthy adult volunteers. <i>Pediatric Radiology</i> , 2016, 46, 1520-1527.	1.1	1
144	Higher extracellular volume is associated with longer bypass times at corrective surgery and reduced exercise tolerance in children late after repair of tetralogy of Fallot. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, Q25.	1.6	1

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145	Diffuse myocardial fibrosis in patients after Fontan operation: a T1 relaxometry magnetic resonance pilot study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O28.	1.6	1
146	Combined ventricular output and oxygen delivery are reduced while oxygen extraction fraction is increased in fetuses with Ebstein's Anomaly by MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O71.	1.6	1
147	Response by Yoo et al to Letter Regarding Article, "Disharmonious Patterns of Heterotaxy and Isomerism: How Often Are the Classic Patterns Breached?". <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007931.	1.3	1
148	Searching for modifiable risk factors for neurodevelopment in congenital heart disease: Lessons from the Giessen/Zurich hypoplastic left heart syndrome experience. <i>International Journal of Cardiology</i> , 2019, 291, 50-51.	0.8	1
149	Magnetic Resonance Imaging: A New Tool to Optimize the Prediction of Fetal Anemia?. <i>Fetal Diagnosis and Therapy</i> , 2019, 46, 257-265.	0.6	1
150	In Utero Brain Growth Matters for Fetuses With Congenital Heart Disease. <i>Circulation</i> , 2022, 145, 1120-1122.	1.6	1
151	High resolution multislice imaging of the fetal heart using iGRASP and MOC. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P44.	1.6	0
152	Accelerated MRI of the fetal heart using compressed sensing and metric optimized gating. <i>Magnetic Resonance in Medicine</i> , 2017, 77, C1-C1.	1.9	0
153	Undiluted Contrast Media in the Pulmonary Veins and Left Atrium After Cavopulmonary Connection. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 920-922.	2.3	0
154	Fetal Cerebral Consequences of Structural Heart Disease: Can These Be Ameliorated?. , 2019, , 157-165.		0
155	Usefulness of T1-scout images in the assessment of late gadolinium enhancement in children. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 28.	1.6	0
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