

Luc Mertens

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

6,345
citations

94269

37
h-index

79541

73
g-index

155
all docs

155
docs citations

155
times ranked

7228
citing authors

#	ARTICLE	IF	CITATIONS
1	Does Atrial Dysfunction Matter in Congenitally Corrected Transposition of Great Arteries? Circulation: Cardiovascular Imaging, 2022, 15, CIRCIMAGING121013742.	1.3	0
2	A guide for assessment of myocardial stiffness in health and disease. , 2022, 1, 8-22.		21
3	Trajectory of Left Ventricular Remodeling in Children With Valvar Aortic Stenosis Following Balloon Aortic Valvuloplasty. Circulation: Cardiovascular Imaging, 2022, 15, e013200.	1.3	2
4	Regional Vascular Changes and Aortic Dilatation in Pediatric Patients With Bicuspid Aortic Valve. Canadian Journal of Cardiology, 2022, 38, 688-694.	0.8	4
5	Pediatric Hypertrophic Cardiomyopathy: Exploring the Genotypeâ€­Phenotype Association. Journal of the American Heart Association, 2022, 11, e024220.	1.6	10
6	Machine-learningâ€­based exploration to identify remodeling patterns associated with death or heart-transplant in pediatric-dilated cardiomyopathy. Journal of Heart and Lung Transplantation, 2022, 41, 516-526.	0.3	11
7	Hypoplastic Left Heart Syndrome Across the Lifespan: Clinical Considerations for Care of the Fetus, Child, and Adult. Canadian Journal of Cardiology, 2022, 38, 930-945.	0.8	6
8	Utility of routine echocardiograms on premature infants with chronic lung disease post oxygen wean. Pediatrics and Neonatology, 2022, , .	0.3	0
9	Longitudinal Changes in Cardiac Structure and Function in Pediatric Kidney Transplant Recipients. Hypertension, 2022, 79, 1680-1689.	1.3	3
10	Effect of anthracycline therapy on myocardial function and markers of fibrotic remodelling in childhood cancer survivors. European Heart Journal Cardiovascular Imaging, 2021, 22, 435-442.	0.5	19
11	Augmentation of pulmonary blood flow and cardiac output by non-invasive external ventilation late after Fontan palliation. Heart, 2021, 107, 142-149.	1.2	7
12	Imaging the adult with simple shunt lesions: position paper from the EACVI and the ESC WG on ACHD. Endorsed by AEPC (Association for European Paediatric and Congenital Cardiology). European Heart Journal Cardiovascular Imaging, 2021, 22, e58-e70.	0.5	10
13	Right Ventricular Remodeling in Hypoplastic Left Heart Syndrome is Minimally Impacted by Cardiopulmonary Bypass: A Comparison of Norwood vs. Hybrid. Pediatric Cardiology, 2021, 42, 294-301.	0.6	3
14	Comparison of Clinical and Social Characteristics of Canadian Youth Living With Type 1 and Type 2 Diabetes. Canadian Journal of Diabetes, 2021, 45, 428-435.	0.4	14
15	Anatomic Concordance of Neonatologist-Performed Echocardiography as Part of Hemodynamics Consultation and Pediatric Cardiology. Journal of the American Society of Echocardiography, 2021, 34, 301-307.	1.2	15
16	Multicentre prospective observational study exploring the predictive value of functional echocardiographic indices for early identification of preterm neonates at risk of developing chronic pulmonary hypertension secondary to chronic neonatal lung disease. BMJ Open, 2021, 11, e044924.	0.8	4
17	Right Ventricular Flow Dynamics in Dilated Right Ventricles: Energy Loss Estimation Based on Blood Speckle Tracking Echocardiographyâ€­A Pilot Study in Children. Ultrasound in Medicine and Biology, 2021, 47, 1514-1527.	0.7	15
18	The Use of 3D Echocardiography in Surgical Planning of the Mitral Valve in Pediatric Cardiology. Journal of Visualized Experiments, 2021, , .	0.2	3

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19	Longitudinal Prediction of Transplant-Free Survival by Echocardiography in Pediatric Dilated Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , 2021, 37, 867-876.	0.8	3
20	Alternative to Body Surface Area as a Solution to Correct Systematic Bias in Pediatric Echocardiography z Scores. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1790-1797.	0.8	3
21	Serial Assessment of Tricuspid Annular Plane Systolic Excursion Is Associated with Death or Lung Transplant in Children with Pulmonary Arterial Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 1320-1322.	1.2	2
22	Calibration of an Electrical Analog Model of Liver Hemodynamics in Fontan Patients. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	2
23	Valve disease and aortopathy associations of bicuspid aortic valve phenotypes differ between men and women. <i>Open Heart</i> , 2021, 8, e001857.	0.9	5
24	Pulmonary artery banding in complete atrioventricular septal defect. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1493-1503.e3.	0.4	34
25	Ultrafast Ultrasound Imaging in Pediatric and Adult Cardiology. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1771-1791.	2.3	54
26	Parameters of Right Ventricular Function Reveal Ventricular-Vascular Mismatch as Determined by Right Ventricular Stroke Work versus Pulmonary Vascular Resistance in Children with Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 218-225.	1.2	12
27	Non-invasive imaging techniques to assess myocardial perfusion. <i>Expert Review of Medical Devices</i> , 2020, 17, 1133-1144.	1.4	8
28	Remote ischemic conditioning counteracts the intestinal damage of necrotizing enterocolitis by improving intestinal microcirculation. <i>Nature Communications</i> , 2020, 11, 4950.	5.8	44
29	Data describing child development at 6 years after maternal cancer diagnosis and treatment during pregnancy. <i>Data in Brief</i> , 2020, 32, 106209.	0.5	4
30	Does Surgical Treatment of Coarctation in Adults Result in Better Outcomes Compared With the Transcatheter Approach?. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1873-1874.	2.3	0
31	Child development at 6 years after maternal cancer diagnosis and treatment during pregnancy. <i>European Journal of Cancer</i> , 2020, 138, 57-67.	1.3	31
32	Outcomes after anomalous aortic origin of a coronary artery repair: A Congenital Heart Surgeons Society Study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 757-771.e5.	0.4	61
33	Vascular ring anomaly in a patient with phosphomannomutase 2 deficiency: A case report and review of the literature. <i>JIMD Reports</i> , 2020, 56, 27-33.	0.7	3
34	Relationship Between Left Ventricular Geometry and Invasive Hemodynamics in Pediatric Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009825.	1.3	39
35	Cardiovascular and abdominal flow alterations in adults with morphologic evidence of liver disease post Fontan palliation. <i>International Journal of Cardiology</i> , 2020, 317, 63-69.	0.8	3
36	Predictors of Bicuspid Aortic Valve Associated Aortopathy in Childhood. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009717.	1.3	28

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37	Intraoperative echocardiographic coronary artery imaging in congenital and acquired heart disease. <i>Cardiology in the Young</i> , 2020, 30, 153-161.	0.4	3
38	The Cardiac Genome Clinic: implementing genome sequencing in pediatric heart disease. <i>Genetics in Medicine</i> , 2020, 22, 1015-1024.	1.1	51
39	Blood Speckle-Tracking Based on High-Frame Rate Ultrasound Imaging in Pediatric Cardiology. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 493-503.e5.	1.2	63
40	New Comprehensive Reference Values for Arterial Vascular Parameters in Children. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1014-1022.e4.	1.2	11
41	Machine Learning Identifies Clinical and Genetic Factors Associated With Anthracycline Cardiotoxicity in Pediatric Cancer Survivors. <i>JACC: CardioOncology</i> , 2020, 2, 690-706.	1.7	16
42	The right ventricular myocardial systolic-to-diastolic duration ratio in children after surgical repair of Tetralogy of Fallot. <i>Journal of Applied Physiology</i> , 2020, 128, 1677-1683.	1.2	2
43	Blood Flow Imaging with Ultrafast Doppler. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	4
44	Impact of Right Ventricular Geometry and Left Ventricular Hypertrophy on Right Ventricular Mechanics and Clinical Outcomes in Hypoplastic Left Heart Syndrome. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 1350-1358.	1.2	13
45	Impaired Right Ventricular Performance Is Associated with Adverse Outcome after Hypoxic Ischemic Encephalopathy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1294-1305.	2.5	42
46	Right Ventricular Diastolic Function and Right Atrial Function and Their Relation With Exercise Capacity in Ebstein Anomaly. <i>Canadian Journal of Cardiology</i> , 2019, 35, 1824-1833.	0.8	10
47	Association of Echocardiographic Parameters of Right Ventricular Remodeling and Myocardial Performance With Modified Task Force Criteria in Adolescents With Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e007693.	1.3	30
48	Right ventricular function in patients with pulmonary regurgitation with versus without tetralogy of Fallot. <i>American Heart Journal</i> , 2019, 213, 8-17.	1.2	6
49	Evolution of Training Guidelines for Echocardiography Performed by the Neonatologist: Toward Hemodynamic Consultation. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 785-790.	1.2	42
50	Echocardiographic Assessment of Cardiac Function in Pediatric Survivors of Anthracycline-Treated Childhood Cancer. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008869.	1.3	33
51	ROBO4 variants predispose individuals to bicuspid aortic valve and thoracic aortic aneurysm. <i>Nature Genetics</i> , 2019, 51, 42-50.	9.4	101
52	Improving Prenatal Diagnosis of Coarctation of the Aorta. <i>Canadian Journal of Cardiology</i> , 2019, 35, 453-461.	0.8	12
53	Effect of Obstructive Sleep Apnea on Cardiovascular Function in Obese Youth. <i>American Journal of Cardiology</i> , 2019, 123, 341-347.	0.7	19
54	Pre-intervention morphologic and functional echocardiographic characteristics of neonates with critical left heart obstruction: a Congenital Heart Surgeons Society (CHSS) inception cohort study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 658-667.	0.5	6

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55	The Congenital Heart Surgeon's Society Complete Atrioventricular Septal Defect Cohort: Baseline, Preintervention Echocardiographic Characteristics. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 80-86.	0.4	16
56	The Aorta in Bicuspid Valve Disease. <i>Structural Heart</i> , 2018, 2, 188-196.	0.2	0
57	Fontan Failure and Death in Contemporary Fontan Circulation: Analysis From the Last Two Decades. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1240-1247.	0.7	40
58	Sutureless Versus Conventional Pulmonary Vein Repair: A Magnetic Resonance Pilot Study. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1248-1254.	0.7	8
59	Dynamic Myocardial Response to Exercise in Childhood Cancer Survivors Treated with Anthracyclines. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 933-942.	1.2	15
60	Response to phenotypic heterogeneity of POMT2 variants. <i>American Journal of Medical Genetics, Part A</i> , 2018, 176, 746-747.	0.7	0
61	Management and Outcomes of Childhood Renal Artery Stenosis and Middle Aortic Syndrome. <i>American Journal of Hypertension</i> , 2018, 31, 687-695.	1.0	24
62	Echocardiography Grading for Pulmonary Arteriovenous Malformation Screening in Children with Hereditary Hemorrhagic Telangiectasia. <i>Journal of Pediatrics</i> , 2018, 195, 288-291.e1.	0.9	4
63	Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 591-600.	0.5	891
64	Coronary artery Doppler patterns are associated with clinical outcomes post-arterial switch operation for transposition of the great arteries. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 461-468.	0.5	12
65	Prevalence of anthracycline-related cardiac dysfunction in long-term survivors of adult-onset lymphoma. <i>Cancer</i> , 2018, 124, 850-857.	2.0	14
66	Analyzing the Shear Wave Mechanics in Cardiac Shear Wave Elastography Using Finite Element Simulations. , 2018, , .		1
67	Aortic Root Dilatation and Aortic-Related Complications in Children After Tetralogy of Fallot Repair. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007611.	1.3	19
68	Strain and Rotational Mechanics in Children With Single Left Ventricles After Fontan. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1297-1306.	1.2	9
69	Ventricular Torsion in Young Patients With Single-Ventricle Anatomy. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1288-1296.	1.2	3
70	A novel, data-driven conceptualization for critical left heart obstruction. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 165, 107-116.	2.6	14
71	Targeted neonatal echocardiography (TNE) consult service in a large tertiary perinatal center in Canada. <i>Journal of Perinatology</i> , 2018, 38, 1039-1045.	0.9	26
72	Cardiopulmonary Adaptation During First Day of Life in Human Neonates. <i>Journal of Pediatrics</i> , 2018, 200, 50-57.e2.	0.9	33

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73	Quantification of Right Ventricular Electromechanical Dyssynchrony in Relation to Right Ventricular Function and Clinical Outcomes in Children with Repaired Tetralogy of Fallot. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 822-830.	1.2	28
74	Imaging the adult with congenital heart disease: a multimodality imaging approach – position paper from the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1077-1098.	0.5	71
75	Prognostic Value of Serial Echocardiography in Hypoplastic Left Heart Syndrome. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e006983.	1.3	32
76	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
77	The Clinical Use of Stress Echocardiography in Non-Ischaemic Heart Disease: Recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 101-138.	1.2	207
78	The relationship between urinary renin-angiotensin system markers, renal function, and blood pressure in adolescents with type 1 diabetes. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F335-F342.	1.3	33
79	Surgical resection of an obstructive Chiari Network. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1070-1070.	0.5	3
80	Left Ventricular Function in Healthy Term Neonates During the Transitional Period. <i>Journal of Pediatrics</i> , 2017, 182, 197-203.e2.	0.9	51
81	Regional right ventricular remodeling and function in children with idiopathic pulmonary arterial hypertension vs those with pulmonary valve stenosis: Insights into mechanics of right ventricular dysfunction. <i>Echocardiography</i> , 2017, 34, 888-897.	0.3	14
82	Longitudinal assessment of myocardial function in childhood chronic kidney disease, during dialysis, and following kidney transplantation. <i>Pediatric Nephrology</i> , 2017, 32, 1401-1410.	0.9	22
83	Cardiovascular Structure and Function in Children With Middle Aortic Syndrome and Renal Artery Stenosis. <i>Hypertension</i> , 2017, 70, 1193-1200.	1.3	9
84	Noncompaction cardiomyopathy in an infant with Walker – Warburg syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 3082-3086.	0.7	8
85	Speckle-Tracking Echocardiographic Measures of Right Ventricular Diastolic Function Correlate with Reference Standard Measures Before and After Preload Alteration in Children. <i>Pediatric Cardiology</i> , 2017, 38, 27-35.	0.6	8
86	Effect of Ultrafast Imaging on Shear Wave Visualization and Characterization: An Experimental and Computational Study in a Pediatric Ventricular Model. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 840.	1.3	12
87	Novel approaches to the prediction, diagnosis and treatment of cardiac late effects in survivors of childhood cancer: a multi-centre observational study. <i>BMC Cancer</i> , 2017, 17, 519.	1.1	25
88	The effect of stretching on transmural shear wave anisotropy in cardiac shear wave elastography: An ex vivo and in silico study. , 2017, , .		1
89	The effect of stretching on transmural shear wave anisotropy in cardiac shear wave elastography. , 2017, , .		2
90	Pilot study on the feasibility of limited focused real-time echocardiography during pediatric renal transplantation. <i>Pediatric Transplantation</i> , 2016, 20, 778-782.	0.5	5

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91	Subclinical cardiovascular changes in pediatric solid organ transplant recipients: A systematic review and meta-analysis. <i>Pediatric Transplantation</i> , 2016, 20, 530-539.	0.5	24
92	Adverse ventricular-ventricular interactions in right ventricular pressure load: Insights from pediatric pulmonary hypertension versus pulmonary stenosis. <i>Physiological Reports</i> , 2016, 4, e12833.	0.7	24
93	Pediatric Reference Values and Z Score Equations for Left Ventricular Systolic Strain Measured by Two-Dimensional Speckle-Tracking Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 786-793.e8.	1.2	51
94	Systolic and Diastolic Myocardial Response to Exercise in a Healthy Pediatric Cohort. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 648-654.	1.2	26
95	Assessment of Diastolic Function in Single-Ventricle Patients After the Fontan Procedure. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 1066-1073.	1.2	33
96	Myocardial Dimensions in Children With Hypertrophic Cardiomyopathy: A Comparison Between Echocardiography and Cardiac Magnetic Resonance Imaging. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1507-1512.	0.8	14
97	Does prenatal diagnosis of hypoplastic left heart syndrome make a difference? A systematic review. <i>Prenatal Diagnosis</i> , 2016, 36, 854-863.	1.1	18
98	Impact of Pulmonary Hemodynamics and Ventricular Interdependence on Left Ventricular Diastolic Function in Children With Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	62
99	Mesenchymal state of intimal cells may explain higher propensity to ascending aortic aneurysm in bicuspid aortic valves. <i>Scientific Reports</i> , 2016, 6, 35712.	1.6	36
100	The clinical use of stress echocardiography in non-ischaeic heart disease: recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1191-1229.	0.5	300
101	Impaired longitudinal deformation measured by speckle-tracking echocardiography in children with end-stage renal disease. <i>Pediatric Nephrology</i> , 2016, 31, 1499-1508.	0.9	19
102	Neonatologist performed echocardiography—hype, hope or nope. <i>European Journal of Pediatrics</i> , 2016, 175, 291-293.	1.3	5
103	Early changes in cardiovascular structure and function in adolescents with type 1 diabetes. <i>Cardiovascular Diabetology</i> , 2016, 15, 31.	2.7	64
104	Multimodality Imaging Guidelines of Patients with Transposition of the Great Arteries: A Report from the American Society of Echocardiography Developed in Collaboration with the Society for Cardiovascular Magnetic Resonance and the Society of Cardiovascular Computed Tomography. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 571-621.	1.2	101
105	Left Ventricular Myocardial and Hemodynamic Response to Exercise in Young Patients after Endovascular Stenting for Aortic Coarctation. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 237-246.	1.2	19
106	Association Between Plasma Uric Acid Levels and Cardiorenal Function in Adolescents With Type 1 Diabetes. <i>Diabetes Care</i> , 2016, 39, 611-616.	4.3	22
107	Mechanics of the Functionally Univentricular Heart—How Little Do We Understand and Why Does It Matter?. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1033.e11-1033.e18.	0.8	17
108	Abnormal Mitral Valve Dimensions in Pediatric Patients with Hypertrophic Cardiomyopathy. <i>Pediatric Cardiology</i> , 2016, 37, 784-788.	0.6	3

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109	Patterns of Mechanical Inefficiency in Pediatric Dilated Cardiomyopathy and Their Relation to Left Ventricular Function and Clinical Outcomes. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 226-236.	1.2	15
110	Cardioprotection and Second Malignant Neoplasms Associated With Dexrazoxane in Children Receiving Anthracycline Chemotherapy: A Systematic Review and Meta-Analysis. <i>Journal of the National Cancer Institute</i> , 2016, 108, djv357.	3.0	117
111	Distribution of Hypertrophy and Late Gadolinium Enhancement in Children and Adolescents with Hypertrophic Cardiomyopathy. <i>Congenital Heart Disease</i> , 2015, 10, E258-E267.	0.0	27
112	The impact of not having a ductus arteriosus on clinical outcomes in fetuses diagnosed with tetralogy of Fallot. <i>Cardiology in the Young</i> , 2015, 25, 684-692.	0.4	7
113	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
114	Stress echocardiography in paediatric cardiology. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1051-1059.	0.5	34
115	Disease Beyond the Arch: A Systematic Review of Middle Aortic Syndrome in Childhood. <i>American Journal of Hypertension</i> , 2015, 28, 833-846.	1.0	90
116	Reference Values for Pulse Wave Doppler and Tissue Doppler Imaging in Pediatric Echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e002167.	1.3	77
117	Pediatric Outcome after Maternal Cancer Diagnosed during Pregnancy. <i>New England Journal of Medicine</i> , 2015, 373, 1824-1834.	13.9	283
118	Echocardiographic Estimation of Right Ventricular Stroke Work in Children with Pulmonary Arterial Hypertension: Comparison with Invasive Measurements. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1350-1357.	1.2	29
119	Left Ventricular Myocardial Function in Children With Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	45
120	Renin-angiotensin-aldosterone system genotype and serum BNP in a contemporary cohort of adults late after Fontan palliation. <i>International Journal of Cardiology</i> , 2015, 197, 209-215.	0.8	25
121	Anomalous Aortic Origin of Coronary Arteries in the Young. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1239-1249.	2.3	72
122	Longitudinal Assessment of Right Ventricular Myocardial Strain in Relation to Transplant-Free Survival in Children with Idiopathic Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1344-1351.	1.2	48
123	A Comprehensive Echocardiographic Protocol for Assessing Neonatal Right Ventricular Dimensions and Function in the Transitional Period: Normative Data and Z Scores. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1293-1304.	1.2	147
124	Mechanisms of Right Ventricular Electromechanical Dyssynchrony and Mechanical Inefficiency in Children After Repair of Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 610-618.	1.3	53
125	RV stroke work in children with pulmonary arterial hypertension: estimation based on invasive haemodynamic assessment and correlation with outcomes. <i>Heart</i> , 2014, 100, 1342-1347.	1.2	33
126	Pulmonary vein stenosis and the pathophysiology of "upstream" pulmonary veins. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 245-253.	0.4	77

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127	Left ventricular myocardial response to exercise in children after heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 1241-1247.	0.3	26
128	Prognostic Implications of the Systolic to Diastolic Duration Ratio in Children With Idiopathic or Familial Dilated Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 773-780.	1.3	19
129	Impact of Initial Shunt Type on Cardiac Size and Function in Children With Single Right Ventricle Anomalies Before the Fontan Procedure. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2026-2035.	1.2	58
130	Classic-Pattern Dyssynchrony and Electrical Activation Delays in Pediatric Dilated Cardiomyopathy. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 956-964.	1.2	21
131	Integrin-linked kinase mediates force transduction in cardiomyocytes by modulating SERCA2a/PLN function. <i>Nature Communications</i> , 2014, 5, 4533.	5.8	42
132	The International Society for Heart and Lung Transplantation Guidelines for the management of pediatric heart failure: Executive summary. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 888-909.	0.3	220
133	Spectrum and Outcome of Primary Cardiomyopathies Diagnosed During Fetal Life. <i>JACC: Heart Failure</i> , 2014, 2, 403-411.	1.9	36
134	Intermittent Brugada syndrome in an anorexic adolescent girl. <i>Journal of Cardiology Cases</i> , 2014, 10, 81-84.	0.2	1
135	Right Ventricular Diastolic Performance in Children With Pulmonary Arterial Hypertension Associated With Congenital Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 491-501.	1.3	47
136	Effect of Chronic Right Ventricular Volume Overload on Ventricular Interaction in Patients after Tetralogy of Fallot Repair. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 896-902.	1.2	56
137	Early Changes in Apical Rotation in Genotype Positive Children with Hypertrophic Cardiomyopathy Mutations without Hypertrophic Changes on Two-Dimensional Imaging. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 215-221.	1.2	44
138	Myocardial function in children after fetal chemotherapy exposure. A tissue Doppler and myocardial deformation imaging study. <i>European Journal of Pediatrics</i> , 2013, 172, 163-170.	1.3	25
139	Right Ventricular Mechanical Dyssynchrony and Asymmetric Contraction in Hypoplastic Heart Syndrome are Associated with Tricuspid Regurgitation. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 1214-1220.	1.2	27
140	Certification in echocardiography of congenital heart disease: experience of the first 6 years of a European process. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 142-148.	0.5	5
141	Interpretation of Left Ventricular Diastolic Dysfunction in Children With Cardiomyopathy by Echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 254-261.	1.3	128
142	Mechanisms of tricuspid valve regurgitation in hypoplastic left heart syndrome: a case-matched echocardiographic vs surgical comparison study. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 135-141.	0.5	35
143	Pulmonary regurgitation after tetralogy of fallot repair: A diagnostic and therapeutic challenge. <i>Journal of Cardiovascular Echography</i> , 2013, 23, 1.	0.1	8
144	Long-term cognitive and cardiac outcomes after prenatal exposure to chemotherapy in children aged 18 months or older: an observational study. <i>Lancet Oncology</i> , The, 2012, 13, 256-264.	5.1	237

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145	Targeted Neonatal Echocardiography in the Neonatal Intensive Care Unit: Practice Guidelines and Recommendations for Training. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 1057-1078.	1.2	285
146	Atrioventricular valve repair in patients with functional single-ventricle physiology: Impact of ventricular and valve function and morphology on survival and reintervention. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 326-335.e2.	0.4	107
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151	Ferritin and body mass index predict cardiac dysfunction in female adolescents with anorexia of the restrictive type. , 0, .		1