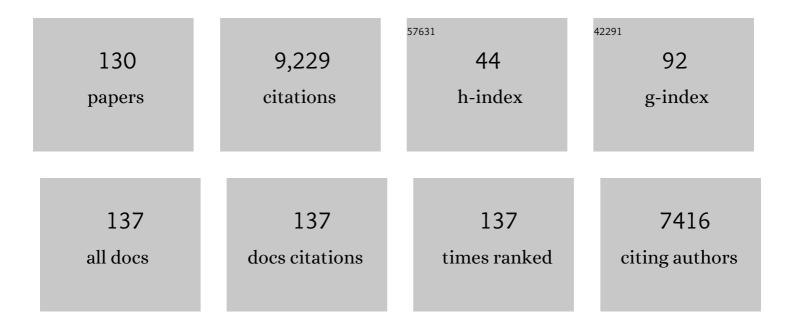
## Steven D Colan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Incidence, Causes, and Outcomes of Dilated Cardiomyopathy in Children. JAMA - Journal of the American Medical Association, 2006, 296, 1867.	3.8	829
2	The Incidence of Pediatric Cardiomyopathy in Two Regions of the United States. New England Journal of Medicine, 2003, 348, 1647-1655.	13.9	722
3	Genotype and Lifetime Burden of Disease in Hypertrophic Cardiomyopathy. Circulation, 2018, 138, 1387-1398.	1.6	468
4	Theoretical and empirical derivation of cardiovascular allometric relationships in children. Journal of Applied Physiology, 2005, 99, 445-457.	1.2	446
5	Epidemiology and Cause-Specific Outcome of Hypertrophic Cardiomyopathy in Children. Circulation, 2007, 115, 773-781.	1.6	412
6	Contemporary Outcomes After the Fontan Procedure. Journal of the American College of Cardiology, 2008, 52, 85-98.	1.2	401
7	Developmental modulation of myocardial mechanics: Age- and growth-related alterations in afterload and contractility. Journal of the American College of Cardiology, 1992, 19, 619-629.	1.2	266
8	Pediatric Cardiomyopathies. Circulation Research, 2017, 121, 855-873.	2.0	207
9	Longitudinal Outcomes of PatientsÂWithÂSingle Ventricle AfterÂtheÂFontanÂProcedure. Journal of the American College of Cardiology, 2017, 69, 2735-2744.	1.2	200
10	Relationship of Echocardiographic <i>Z</i> Scores Adjusted for Body Surface Area to Age, Sex, Race, and Ethnicity. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	195
11	The Pediatric Cardiomyopathy Registry and Heart Failure: Key Results from the First 15 Years. Heart Failure Clinics, 2010, 6, 401-413.	1.0	175
12	Outcomes of Restrictive Cardiomyopathy in Childhood and the Influence of Phenotype. Circulation, 2012, 126, 1237-1244.	1.6	166
13	Risk stratification at diagnosis for children with hypertrophic cardiomyopathy: an analysis of data from the Pediatric Cardiomyopathy Registry. Lancet, The, 2013, 382, 1889-1897.	6.3	159
14	Validation and Re-Evaluation of a Discriminant Model Predicting Anatomic Suitability for Biventricular Repair in Neonates With Aortic Stenosis. Journal of the American College of Cardiology, 2006, 47, 1858-1865.	1.2	156
15	Outcomes in children with Noonan syndrome and hypertrophic cardiomyopathy: A study from the Pediatric Cardiomyopathy Registry. American Heart Journal, 2012, 164, 442-448.	1.2	149
16	Cardiomyopathy Phenotypes and Outcomes for Children With Left Ventricular Myocardial Noncompaction: Results From the Pediatric Cardiomyopathy Registry. Journal of Cardiac Failure, 2015, 21, 877-884.	0.7	140
17	Control Mechanisms for Physiological Hypertrophy of Pregnancy. Circulation, 1996, 94, 667-672.	1.6	138
18	Diltiazem Treatment for Pre-Clinical Hypertrophic Cardiomyopathy SarcomereÂMutation Carriers. JACC: Heart Failure, 2015, 3, 180-188.	1.9	137

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19	A Validated Model for Sudden Cardiac Death Risk Prediction in Pediatric Hypertrophic Cardiomyopathy. Circulation, 2020, 142, 217-229.	1.6	129
20	Recovery of Echocardiographic Function in Children With Idiopathic Dilated Cardiomyopathy. Journal of the American College of Cardiology, 2014, 63, 1405-1413.	1.2	126
21	Factors Associated With Establishing a Causal Diagnosis for Children With Cardiomyopathy. Pediatrics, 2006, 118, 1519-1531.	1.0	109
22	Intra-Atrial Reentrant Tachycardia After Palliation of Congenital Heart Disease: Journal of Cardiovascular Electrophysiology, 1997, 8, 259-270.	0.8	108
23	Design and implementation of the North American Pediatric Cardiomyopathy Registry. American Heart Journal, 2000, 139, s86-s95.	1.2	108
24	Hypertrophic Cardiomyopathy With Left Ventricular Systolic Dysfunction. Circulation, 2020, 141, 1371-1383.	1.6	108
25	Sudden Death in Childhood Cardiomyopathy. Journal of the American College of Cardiology, 2015, 65, 2302-2310.	1.2	106
26	Multidimensional structure-function relationships in human β-cardiac myosin from population-scale genetic variation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6701-6706.	3.3	98
27	Classification of Ventricular Septal DefectsÂforÂthe Eleventh Iteration of the International Classification of Diseases—Striving for Consensus: A Report From the International Society for Nomenclature of Paediatric and Congenital Heart Disease. Annals of Thoracic Surgery, 2018, 106, 1578-1589.	0.7	97
28	Individual pulmonary vein size and survival in infants with totally anomalous pulmonary venous connection. Journal of the American College of Cardiology, 1993, 22, 201-206.	1.2	93
29	The Ventricular Volume Variability Study of the Pediatric Heart Network: Study Design and Impact of Beat Averaging and Variable Type on the Reproducibility of Echocardiographic Measurements in Children with Chronic Dilated Cardiomyopathy. Journal of the American Society of Echocardiography, 2012, 25, 842-854.e6.	1.2	93
30	Quantitative approaches to variant classification increase the yield and precision of genetic testing in Mendelian diseases: the case of hypertrophic cardiomyopathy. Genome Medicine, 2019, 11, 5.	3.6	90
31	Strategies to prevent anthracycline-induced cardiotoxicity in cancer survivors. Cardio-Oncology, 2019, 5, 18.	0.8	87
32	Myocardial Extracellular Remodeling Is Associated With Ventricular Diastolic Dysfunction in Children and Young Adults With Congenital Aortic Stenosis. Journal of the American College of Cardiology, 2014, 63, 1778-1785.	1.2	79
33	Association of Obesity With Adverse Long-term Outcomes in Hypertrophic Cardiomyopathy. JAMA Cardiology, 2020, 5, 65.	3.0	78
34	Long-Term Outcomes of Hypertrophic Cardiomyopathy Diagnosed During Childhood. Circulation, 2018, 138, 29-36.	1.6	74
35	Prevalence and Progression of Late Gadolinium Enhancement in Children and Adolescents With Hypertrophic Cardiomyopathy. Circulation, 2018, 138, 782-792.	1.6	72
36	Abnormal myocardial mechanics in Kawasaki disease: Rapid response to [gamma ]-globulin. American Heart Journal, 2000, 139, 0217-0223.	1.2	71

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37	Adjunct Targeted Biologic Inhibition Agents to Treat Aggressive Multivessel Intraluminal Pediatric Pulmonary Vein Stenosis. Journal of Pediatrics, 2018, 198, 29-35.e5.	0.9	69
38	Clinical characteristics and outcomes in childhood-onset hypertrophic cardiomyopathy. European Heart Journal, 2021, 42, 1988-1996.	1.0	69
39	Technical Performance Scores are strongly associated with early mortality, postoperative adverse events, and intensive care unit length of stay—analysis of consecutive discharges for 2 years. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 389-396.e3.	0.4	60
40	Association of Race With Disease Expression and Clinical Outcomes Among Patients With Hypertrophic Cardiomyopathy. JAMA Cardiology, 2020, 5, 83.	3.0	60
41	Survival Without Cardiac Transplantation Among Children With DilatedÂCardiomyopathy. Journal of the American College of Cardiology, 2017, 70, 2663-2673.	1.2	59
42	Hypertrophic Cardiomyopathy in Childhood. Heart Failure Clinics, 2010, 6, 433-444.	1.0	57
43	Valsartan in early-stage hypertrophic cardiomyopathy: a randomized phase 2 trial. Nature Medicine, 2021, 27, 1818-1824.	15.2	51
44	The Burden of Early Phenotypes and the Influence of Wall Thickness in Hypertrophic Cardiomyopathy Mutation Carriers. JAMA Cardiology, 2017, 2, 419.	3.0	50
45	Spatial and Functional Distribution of <i>MYBPC3</i> Pathogenic Variants and Clinical Outcomes in Patients With Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, 396-405.	1.6	47
46	A Prospective Phase II Trial of Vinblastine and Methotrexate in Multivessel Intraluminal Pulmonary Vein Stenosis in Infants and Children. Congenital Heart Disease, 2011, 6, 608-623.	0.0	46
47	Vascular Health in Kawasaki Disease. Journal of the American College of Cardiology, 2013, 62, 1114-1121.	1.2	46
48	Incident Atrial Fibrillation Is Associated With <i>MYH7</i> Sarcomeric Gene Variation in Hypertrophic Cardiomyopathy. Circulation: Heart Failure, 2018, 11, e005191.	1.6	46
49	Coronary Artery Aneurysm Measurement and Z Score Variability in Kawasaki Disease. Journal of the American Society of Echocardiography, 2016, 29, 150-157.	1.2	44
50	Impact of Ventricular Morphology on Fiber Stress and Strain in Fontan Patients. Circulation: Cardiovascular Imaging, 2018, 11, e006738.	1.3	42
51	Nomenclature for Pediatric and Congenital Cardiac Care: Unification of Clinical and Administrative Nomenclature – The 2021 International Paediatric and Congenital Cardiac Code (IPCCC) and the Eleventh Revision of the International Classification of Diseases (ICD-11). Cardiology in the Young, 2021. 31. 1057-1188.	0.4	42
52	A Randomized, Double-Blind Trial of Lisinopril and Losartan for the Treatment of Cardiomyopathy in Duchenne Muscular Dystrophy. PLOS Currents, 2013, 5, .	1.4	42
53	The Design of the Valsartan for Attenuating Disease Evolution in Early Sarcomeric Hypertrophic Cardiomyopathy (VANISH) Trial. American Heart Journal, 2017, 187, 145-155.	1.2	41
54	Disease-specific variant pathogenicity prediction significantly improves variant interpretation in in inherited cardiac conditions. Genetics in Medicine, 2021, 23, 69-79.	1.1	39

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55	Long-Term Outcomes of Childhood Left Ventricular Noncompaction Cardiomyopathy. Circulation, 2018, 138, 367-376.	1.6	38
56	Associations Between Female Sex, Sarcomere Variants, and Clinical Outcomes in Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2021, 14, e003062.	1.6	38
57	Verapamil therapy in infants with hypertrophic cardiomyopathy. Cardiology in the Young, 1998, 8, 310-319.	0.4	37
58	Evolution of hypertrophic cardiomyopathy in sarcomere mutation carriers. Heart, 2016, 102, 1805-1812.	1.2	37
59	Left Atrial structure and function in hypertrophic cardiomyopathy sarcomere mutation carriers with and without left ventricular hypertrophy. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 107.	1.6	37
60	Impact of Major Residual Lesions onÂOutcomes After Surgery for Congenital Heart Disease. Journal of the American College of Cardiology, 2021, 77, 2382-2394.	1.2	35
61	The risk of having additional obstructive lesions in neonatal coarctation of the aorta. Cardiology in the Young, 2001, 11, 44-53.	0.4	34
62	Left Ventricular Strain and Myocardial Fibrosis inÂCongenital Aortic Stenosis. American Journal of Cardiology, 2015, 116, 1257-1262.	0.7	33
63	Variability of M-Mode Versus Two-Dimensional Echocardiography Measurements in Children With Dilated Cardiomyopathy. Pediatric Cardiology, 2014, 35, 658-667.	0.6	32
64	Rationale and design of the Children's Oncology Group (COG) study ALTE1621: a randomized, placebo-controlled trial to determine if low-dose carvedilol can prevent anthracycline-related left ventricular remodeling in childhood cancer survivors at high risk for developing heart failure. BMC Cardiovascular Disorders, 2016, 16, 187.	0.7	32
65	The Pediatric Heart Network Residual Lesion Score Study: Design and objectives. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 218-223.e1.	0.4	32
66	Noninvasive assessment of myocardial mechanics—a review of analysis of stress-shortening and stress-velocity. Cardiology in the Young, 1992, 2, 1-13.	0.4	31
67	Diastolic function in children with Kawasaki Disease. International Journal of Cardiology, 2011, 148, 309-312.	0.8	30
68	Differences in Presentation and Outcomes Between Children With Familial Dilated Cardiomyopathy and Children With Idiopathic Dilated Cardiomyopathy. Circulation: Heart Failure, 2017, 10, .	1.6	30
69	Influence of Aortic Stiffness on Aortic-Root Growth Rate and Outcome in Patients With the Marfan Syndrome. American Journal of Cardiology, 2018, 121, 1094-1101.	0.7	30
70	Left Atrial Volumes and Strain in Healthy Children Measured by Three-Dimensional Echocardiography: Normal Values and Maturational Changes. Journal of the American Society of Echocardiography, 2018, 31, 187-193.e1.	1.2	29
71	Genetic Causes of Cardiomyopathy in Children: First Results From the Pediatric Cardiomyopathy Genes Study. Journal of the American Heart Association, 2021, 10, e017731.	1.6	29
72	Pediatric Heart Network Echocardiographic Z Scores: Comparison with Other Published Models. Journal of the American Society of Echocardiography, 2021, 34, 185-192.	1.2	26

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73	Cardiac Effects of Highly Active Antiretroviral Therapy in Perinatally HIV-Infected Children. Journal of the American College of Cardiology, 2017, 70, 2240-2247.	1.2	24
74	Effects of commonly used inotropes on myocardial function and oxygen consumption under constant ventricular loading conditions. Journal of Applied Physiology, 2016, 121, 7-14.	1.2	23
75	Multipolar Endocardial Mapping of the Right Heart Using a Basket Catheter: Acute and Chronic Animal Studies. PACE - Pacing and Clinical Electrophysiology, 1997, 20, 51-59.	0.5	22
76	Biomarkers of cardiovascular stress and fibrosis in preclinical hypertrophic cardiomyopathy. Open Heart, 2017, 4, e000615.	0.9	22
77	Effect of L-type calcium channel blocker (amlodipine) on myocardial iron deposition in patients with thalassaemia with moderate-to-severe myocardial iron deposition: protocol for a randomised, controlled trial. BMJ Open, 2014, 4, e005360.	0.8	21
78	The genetic architecture of pediatric cardiomyopathy. American Journal of Human Genetics, 2022, 109, 282-298.	2.6	21
79	Challenges With Left Ventricular Functional Parameters: The Pediatric Heart Network Normal Echocardiogram Database. Journal of the American Society of Echocardiography, 2019, 32, 1331-1338.e1.	1.2	20
80	Nomenclature for Pediatric and Congenital Cardiac Care: Unification of Clinical and Administrative Nomenclature – The 2021 International Paediatric and Congenital Cardiac Code (IPCCC) and the Eleventh Revision of the International Classification of Diseases (ICD-11). World Journal for Pediatric & Congenital Heart Surgery, 2021, 12, E1-E18.	0.3	20
81	Technical Performance Score Predicts Partial/Transitional Atrioventricular Septal Defect Outcomes. Annals of Thoracic Surgery, 2018, 105, 1461-1468.	0.7	18
82	Value of Exercise Stress Echocardiography in Children with Hypertrophic Cardiomyopathy. Journal of the American Society of Echocardiography, 2020, 33, 888-894.e2.	1.2	18
83	Development and impact of arrhythmias after the Norwood procedure: A report from the Pediatric Heart Network. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 638-645.e2.	0.4	16
84	Reproducibility of Left Ventricular Dimension Versus Area Versus Volume Measurements in Pediatric Patients With Dilated Cardiomyopathy. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	16
85	Prevalence, predictors, and outcomes of cardiorenal syndrome in children with dilated cardiomyopathy: a report from the Pediatric Cardiomyopathy Registry. Pediatric Nephrology, 2015, 30, 2177-2188.	0.9	15
86	Health-Related Quality of Life and Functional Status Are Associated with Cardiac Status and Clinical Outcome in Children with Cardiomyopathy. Journal of Pediatrics, 2016, 170, 173-180.e4.	0.9	15
87	Correction of Doppler Gradients for Pressure Recovery Improves Agreement with Subsequent Catheterization Gradients in Congenital Aortic Stenosis. Journal of the American Society of Echocardiography, 2015, 28, 1410-1417.	1.2	14
88	Carotid Artery Intima-Media Thickness Measurements in the Youth: Reproducibility and Technical Considerations. Journal of the American Society of Echocardiography, 2015, 28, 309-316.	1.2	14
89	No Obesity Paradox in Pediatric Patients With Dilated Cardiomyopathy. JACC: Heart Failure, 2018, 6, 222-230.	1.9	14
90	Cardiac and inflammatory biomarkers in perinatally HIV-infected and HIV-exposed uninfected children. Aids, 2018, 32, 1267-1277.	1.0	14

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91	Comparison of Intraoperative and Discharge Residual Lesion Severity in Congenital Heart Surgery. Annals of Thoracic Surgery, 2022, 114, 1731-1737.	0.7	14
92	Normal Values for Left Ventricular Strain and Synchrony in Children Based on Speckle Tracking Echocardiography. American Journal of Cardiology, 2019, 123, 1546-1554.	0.7	13
93	Left ventricular diastolic dysfunction in HIV-uninfected infants exposed in utero to antiretroviral therapy. Aids, 2020, 34, 529-537.	1.0	13
94	Implementation of a Quality Improvement Bundle Improves Echocardiographic Imaging after Congenital Heart Surgery in Children. Journal of the American Society of Echocardiography, 2016, 29, 1163-1170.e3.	1.2	11
95	Normal Values and Growth-Related Changes of Left Ventricular Volumes, Stress, and Strain in Healthy Children Measured by 3-Dimensional Echocardiography. American Journal of Cardiology, 2018, 122, 331-339.	0.7	11
96	Computational prediction of protein subdomain stability in MYBPC3 enables clinical risk stratification in hypertrophic cardiomyopathy and enhances variant interpretation. Genetics in Medicine, 2021, 23, 1281-1287.	1.1	11
97	Ventricular mechanics in patients with aortic valve disease: longitudinal, radial, and circumferential components. Cardiology in the Young, 2014, 24, 105-112.	0.4	10
98	Systolic-diastolic functional coupling in healthy children and in those with dilated cardiomyopathy. Journal of Applied Physiology, 2016, 120, 1301-1318.	1.2	10
99	Baseline Characteristics of the VANISH Cohort. Circulation: Heart Failure, 2019, 12, e006231.	1.6	10
100	Clinical issues in the pediatric hypertrophic cardiomyopathies. Progress in Pediatric Cardiology, 2008, 25, 27-29.	0.2	9
101	Summary of the 2015 International Paediatric Heart Failure Summit of Johns Hopkins All Children's Heart Institute. Cardiology in the Young, 2015, 25, 8-30.	0.4	9
102	Technical Performance Score's Association With Arterial Switch Operation Outcomes. Annals of Thoracic Surgery, 2021, 111, 1367-1373.	0.7	9
103	Adrenergic receptor genotype influences heart failure severity and β-blocker response in children with dilated cardiomyopathy. Pediatric Research, 2015, 77, 363-369.	1.1	8
104	Cardiac status of perinatally HIV-infected children. Aids, 2018, 32, 2337-2346.	1.0	8
105	Left Atrial Size and Function in Patients With Congenital Aortic Valve Stenosis. American Journal of Cardiology, 2018, 122, 1541-1545.	0.7	7
106	Comparison of echocardiographic measurements to invasive measurements of diastolic function in infants with single ventricle physiology: a report from the Pediatric Heart Network Infant Single Ventricle Trial. Cardiology in the Young, 2019, 29, 1248-1256.	0.4	7
107	Effect of Losartan or Atenolol on Children and Young Adults With Bicuspid Aortic Valve and Dilated Aorta. American Journal of Cardiology, 2021, 144, 111-117.	0.7	7
108	Normal Left Ventricular Systolic and Diastolic Strain Rate Values in Children Derived from Two-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 1303-1315.e3.	1.2	7

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109	Cardiac responses in paediatric Pompe disease in the ADVANCE patient cohort. Cardiology in the Young, 2022, 32, 364-373.	0.4	7
110	Impaired Glucose Transporter Activity in Pressure-Overload Hypertrophy Is an Early Indicator of Progression to Failure. Circulation, 1999, 100, .	1.6	7
111	Matching Donor and Recipient Size in Pediatric Heart Transplantation. Transplant International, 2022, 36, 10226.	0.8	7
112	Longitudinal Variation in Presence and Severity of Cardiac Valve Regurgitation in Healthy Children. Journal of the American Society of Echocardiography, 2020, 33, 1400-1406.	1.2	6
113	Height Versus Body Surface Area to Normalize Cardiovascular Measurements in Children Using the Pediatric Heart Network Echocardiographic Z-Score Database. Pediatric Cardiology, 2021, 42, 1284-1292.	0.6	6
114	Progressive intermediate-term improvement in ventricular and atrioventricular interaction after transcatheter pulmonary valve replacement in patients with right ventricular outflow tract obstruction. American Heart Journal, 2016, 179, 87-98.	1.2	5
115	Longitudinal Assessment of the Doppler-Estimated Maximum Gradient in Patients With Congenital Valvar Aortic Stenosis Pre- and Post-Balloon Valvuloplasty. Circulation: Cardiovascular Imaging, 2018, 11, e006708.	1.3	5
116	Review of the International Society for Heart and Lung Transplantation Practice guidelines for management of heart failure in children. Cardiology in the Young, 2015, 25, 154-159.	0.4	4
117	Response by Ho et al to Letter Regarding Article, "Genotype and Lifetime Burden of Disease in Hypertrophic Cardiomyopathy: Insights From the Sarcomeric Human Cardiomyopathy Registry (SHaRe)― Circulation, 2019, 139, 1559-1560.	1.6	4
118	Characterization of Left Ventricular Dysfunction by Myocardial Strain in Critical Pulmonary Stenosis and Pulmonary Atresia After Neonatal Pulmonary Valve Balloon Dilation. American Journal of Cardiology, 2019, 123, 454-459.	0.7	4
119	Myocardial fibrosis in patients with a history of Kawasaki disease. IJC Heart and Vasculature, 2021, 32, 100713.	0.6	4
120	Comparison of tissue Doppler imaging and conventional echocardiography to discriminate rejection from nonâ€rejection after pediatric heart transplantation. Pediatric Transplantation, 2020, 24, e13738.	0.5	3
121	Challenges and lessons learned from the Pediatric Heart Network Normal Echocardiogram Database study. Cardiology in the Young, 2020, 30, 456-461.	0.4	3
122	Pediatric and adult dilated cardiomyopathy are distinguished by distinct biomarker profiles. Pediatric Research, 2022, 92, 206-215.	1.1	2
123	Dexrazoxane and heart function among long-term childhood cancer survivors: A Children's Oncology Group study Journal of Clinical Oncology, 2020, 38, 10513-10513.	0.8	2
124	Assessment of Exercise Function in Children and Young Adults with Hypertrophic Cardiomyopathy and Correlation with Transthoracic Echocardiographic Parameters. Pediatric Cardiology, 2022, , .	0.6	2
125	Hemodynamic Measurements. , 0, , 63-75.		1
126	How Well Does the Neonatal Heart Measure Up?. Journal of the American Society of Echocardiography, 2019, 32, 906-908.	1.2	1

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127	Aortic Stiffness in Youth with Hypertrophic Cardiomyopathy Genotype. Pediatric Cardiology, 2016, 37, 932-937.	0.6	0
128	Obstacles to prediction of outcome in pediatric cardiomyopathy. Progress in Pediatric Cardiology, 2018, 49, 9-11.	0.2	0
129	Is Doppler echocardiography useful for estimating left ventricular filling pressures in pediatric heart transplant recipients?. Pediatric Transplantation, 2019, 23, e13543.	0.5	0
130	Variability in Longitudinal Early Diastolic Strain Rate in Children. Journal of the American Society of Echocardiography, 2022, , .	1.2	0