## Yiu-fai Cheung

List of Publications by Year in descending order

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172457 182427 3,254 123 29 51 citations h-index g-index papers 129 129 129 3860 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Genome-wide association study identifies FCGR2A as a susceptibility locus for Kawasaki disease. Nature Genetics, 2011, 43, 1241-1246.	21.4	297
2	Novel and traditional cardiovascular risk factors in children after Kawasaki disease. Journal of the American College of Cardiology, 2004, 43, 120-124.	2.8	146
3	BP and Arterial Distensibility in Children With Primary Snoring. Chest, 2003, 123, 1561-1566.	0.8	125
4	Left ventricular myocardial deformation and mechanical dyssynchrony in children with normal ventricular shortening fraction after anthracycline therapy. Heart, 2010, 96, 1137-1141.	2.9	114
5	Chylothorax in Children After Congenital Heart Surgery. Annals of Thoracic Surgery, 2006, 82, 1650-1656.	1.3	112
6	Aortic Root Dilation and Aortic Elastic Properties in Children After Repair of Tetralogy of Fallot. American Journal of Cardiology, 2006, 97, 905-909.	1.6	112
7	Meta-Analysis of Pulmonary Valve Replacement After Operative Repair of Tetralogy of Fallot. American Journal of Cardiology, 2010, 106, 552-557.	1.6	101
8	Octreotide for treatment of postoperative chylothorax. Journal of Pediatrics, 2001, 139, 157-159.	1.8	98
9	Peritoneal dialysis after surgery for congenital heart disease in infants and young children. Annals of Thoracic Surgery, 2003, 76, 1443-1449.	1.3	97
10	Impact of Right Ventricular Dilation on Left Ventricular Myocardial Deformation in Patients After Surgical Repair of Tetralogy of Fallot. American Journal of Cardiology, 2009, 104, 1264-1270.	1.6	82
11	Analysis of indications for surgical closure of subarterial ventricular septal defect without associated aortic cusp prolapse and aortic regurgitation. American Journal of Cardiology, 2001, 87, 1266-1270.	1.6	67
12	New Three-Dimensional Speckle-Tracking Echocardiography Identifies Global Impairment of Left Ventricular Mechanics with a High Sensitivity in Childhood Cancer Survivors. Journal of the American Society of Echocardiography, 2013, 26, 846-852.	2.8	58
13	Impact of Right Ventricular Volume Overload on Three-Dimensional Global Left Ventricular Mechanical Dyssynchrony After Surgical Repair of Tetralogy of Fallot. American Journal of Cardiology, 2008, 102, 1731-1736.	1.6	54
14	Impact of preoperative aortic cusp prolapse on long-term outcome after surgical closure of subarterial ventricular septal defect. Annals of Thoracic Surgery, 2002, 73, 622-627.	1.3	52
15	Mechanical Right Ventricular Dyssynchrony in Patients After Atrial Switch Operation for Transposition of the Great Arteries. American Journal of Cardiology, 2008, 101, 874-881.	1.6	51
16	Childhood Obesity and Physical Activity-Friendly School Environments. Journal of Pediatrics, 2017, 191, 110-116.	1.8	51
17	The role of 3D wall motion tracking in heart failure. Nature Reviews Cardiology, 2012, 9, 644-657.	13.7	47
18	Transmural strain and rotation gradient in survivors of childhood cancers. European Heart Journal Cardiovascular Imaging, 2013, 14, 175-182.	1.2	44

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19	Oxidative stress in children late after Kawasaki disease: relationship with carotid atherosclerosis and stiffness. BMC Pediatrics, 2008, 8, 20.	1.7	43
20	Inflammatory Gene Polymorphisms and Susceptibility to Kawasaki Disease and Its Arterial Sequelae. Pediatrics, 2008, 122, e608-e614.	2.1	43
21	Left Ventricular Twisting and Untwisting Motion in Childhood Cancer Survivors. Echocardiography, 2011, 28, 738-745.	0.9	41
22	Arterial Stiffness in the Young: Assessment, Determinants, and Implications. Korean Circulation Journal, 2010, 40, 153.	1.9	40
23	Restrictive Right Ventricular Physiology and Right Ventricular Fibrosis as Assessed by Cardiac Magnetic Resonance and Exercise Capacity After Biventricular Repair of Pulmonary Atresia and Intact Ventricular Septum. Clinical Cardiology, 2010, 33, 104-110.	1.8	38
24	Three-Dimensional Mechanical Dyssynchrony and Myocardial Deformation of the Left Ventricle in Patients with Tricuspid Atresia after Fontan Procedure. Journal of the American Society of Echocardiography, 2012, 25, 393-400.	2.8	38
25	Plasma brain natriuretic peptide levels, right ventricular volume overload and exercise capacity in adolescents after surgical repair of tetralogy of Fallot. International Journal of Cardiology, 2007, 121, 155-162.	1.7	36
26	Mesenteric blood flow response to feeding after systemic-to-pulmonary arterial shunt palliation. Annals of Thoracic Surgery, 2003, 75, 947-951.	1.3	33
27	Myocardial Deformation in Patients with Betaâ€Thalassemia Major: A Speckle Tracking Echocardiographic Study. Echocardiography, 2010, 27, 253-259.	0.9	32
28	Right Ventricular Mechanics in Adults after Surgical Repair of Tetralogy of Fallot: Insights from Three-Dimensional Speckle-Tracking Echocardiography. Journal of the American Society of Echocardiography, 2014, 27, 423-429.	2.8	32
29	Modulating Effects of Mannose Binding Lectin Genotype on Arterial Stiffness in Children After Kawasaki Disease. Pediatric Research, 2004, 56, 591-596.	2.3	31
30	Brain natriuretic peptide as a biomarker of systemic right ventricular function in patients with transposition of great arteries after atrial switch operation. International Journal of Cardiology, 2008, 127, 192-197.	1.7	31
31	Circulating microRNA expression profile and systemic right ventricular function in adults after atrial switch operation for complete transposition of the great arteries. BMC Cardiovascular Disorders, 2013, 13, 73.	1.7	30
32	Single ell Transcriptomics of Engineered Cardiac Tissues From Patient‧pecific Induced Pluripotent Stem Cell–Derived Cardiomyocytes Reveals Abnormal Developmental Trajectory and Intrinsic Contractile Defects in Hypoplastic Right Heart Syndrome. Journal of the American Heart Association, 2020, 9, e016528.	3.7	30
33	Cardiac rhythm and symptomatic arrhythmia in right atrial isomerism. American Heart Journal, 2002, 144, 159-164.	2.7	29
34	Under-recognition of 22q11.2 deletion in adult Chinese patients with conotruncal anomalies: Implications in transitional care. European Journal of Medical Genetics, 2014, 57, 306-311.	1.3	29
35	Atrial Mechanics after Surgical Repair of Tetralogy of Fallot. Echocardiography, 2015, 32, 126-134.	0.9	29
36	Iron Overload and Apoptosis of HL-1 Cardiomyocytes: Effects of Calcium Channel Blockade. PLoS ONE, 2014, 9, e112915.	2.5	29

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37	Relation of arterial stiffness to left ventricular structure and function in adolescents and young adults with pediatric-onset systemic lupus erythematosus. Journal of Rheumatology, 2007, 34, 1345-52.	2.0	29
38	Early and intermediate-term complications of self-expanding stents limit its potential application in children with congenital heart disease. Journal of the American College of Cardiology, 2000, 35, 1007-1015.	2.8	28
39	Novel Area Strain Based on Three-Dimensional Wall Motion Analysis for Assessment of Global Left Ventricular Performance after Repair of Tetralogy of Fallot. Journal of the American Society of Echocardiography, 2011, 24, 819-825.	2.8	27
40	Systemic Oxygen Saturation and Coagulation Factor Abnormalities Before and After the Fontan Procedure. American Journal of Cardiology, 2005, 96, 1571-1575.	1.6	26
41	Management of symptomatic congenital tracheal stenosis in neonates and infants by slide tracheoplasty: a 7-year single institution experience. European Journal of Cardio-thoracic Surgery, 2010, 38, 609-614.	1.4	26
42	Deferiprone inhibits iron overload-induced tissue factor bearing endothelial microparticle generation by inhibition oxidative stress induced mitochondrial injury, and apoptosis. Toxicology and Applied Pharmacology, 2018, 338, 148-158.	2.8	25
43	Usefulness of laser-assisted valvotomy with balloon valvoplasty for pulmonary valve atresia with intact ventricular septum. American Journal of Cardiology, 2002, 90, 438-442.	1.6	24
44	Doppler tissue imaging analysis of ventricular function after surgical and transcatheter closure of atrial septal defect. American Journal of Cardiology, 2004, 93, 375-378.	1.6	24
45	Left Ventricular Mechanics in Repaired Tetralogy of Fallot with and without Pulmonary Valve Replacement: Analysis by Three-Dimensional Speckle Tracking Echocardiography. PLoS ONE, 2013, 8, e78826.	2.5	24
46	Functional implications of the right ventricular myocardial performance index in patients after surgical repair of tetralogy of Fallot. Heart and Vessels, 2008, 23, 112-117.	1.2	21
47	Atrial and Ventricular Mechanics in Patients after Fontan-Type Procedures: Atriopulmonary Connection versus Extracardiac Conduit. Journal of the American Society of Echocardiography, 2014, 27, 666-674.	2.8	20
48	Carvedilol Protects against Iron-Induced Microparticle Generation and Apoptosis of Endothelial Cells. Acta Haematologica, 2014, 132, 200-210.	1.4	19
49	Myocardial iron load and fibrosis in long term survivors of childhood leukemia. Pediatric Blood and Cancer, 2015, 62, 698-703.	1.5	19
50	Surgical validation and implications for transcatheter closure of quantitative echocardiographic evaluation of atrial septal defect. American Journal of Cardiology, 2000, 85, 1124-1130.	1.6	18
51	Assessment of right and left ventricular function by tissue Doppler echocardiography in patients after biventricular repair of pulmonary atresia with intact ventricular septum. International Journal of Cardiology, 2006, 109, 329-334.	1.7	18
52	Diastolic ventricular interaction in patients after atrial switch for transposition of the great arteries: A speckle tracking echocardiographic study. International Journal of Cardiology, 2011, 152, 28-34.	1.7	18
53	Torsional Mechanics of the Left Ventricle in Patients After Surgical Repair of Tetralogy of Fallot. Circulation Journal, 2011, 75, 1735-1741.	1.6	18
54	Arterial-left ventricular-left atrial coupling late after repair of aortic coarctation and interruption. European Heart Journal Cardiovascular Imaging, 2015, 16, 771-780.	1.2	18

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55	Plasma brain natriuretic peptide and systemic ventricular function in asymptomatic patients late after the Fontan procedure. Heart and Vessels, 2007, 22, 398-403.	1.2	17
56	Left ventricular contractile reserve after arterial switch operation for complete transposition of the great arteries: an exercise echocardiographic study. European Heart Journal Cardiovascular Imaging, 2013, 14, 480-486.	1.2	17
57	Myocardial stiffness as assessed by diastolic wall strain in adult survivors of childhood leukaemias with preserved left ventricular ejection fraction. European Heart Journal Cardiovascular Imaging, 2017, 18, jew098.	1.2	17
58	Transcatheter closure of persistent arterial ducts with different types of coils. American Heart Journal, 2001, 141, 87-91.	2.7	16
59	Left Ventricular Noncompaction in Children. Congenital Heart Disease, 2009, 4, 288-294.	0.2	16
60	Arterial Mechanics at Rest and During Exercise in Adolescents and Young Adults After Arterial Switch Operation for Complete Transposition of the Great Arteries. American Journal of Cardiology, 2014, 113, 713-718.	1.6	16
61	Role of Threeâ€Dimensional Speckle Tracking Echocardiography in the Quantification of Myocardial Iron Overload in Patients with Betaâ€Thalassemia Major. Echocardiography, 2016, 33, 1361-1367.	0.9	16
62	Circulating high-sensitivity troponin T and microRNAs as markers of myocardial damage during childhood leukaemia treatment. Pediatric Research, 2021, 89, 1245-1252.	2.3	16
63	Left Ventricular Mechanics in Adolescents and Young Adults with a History of Kawasaki Disease: Analysis by Threeâ€Dimensional Speckle Tracking Echocardiography. Echocardiography, 2014, 31, 483-491.	0.9	15
64	Vascular health late after Kawasaki disease: implications for accelerated atherosclerosis. Korean Journal of Pediatrics, 2014, 57, 472.	1.9	15
65	Cardiac Magnetic Resonance T1 Mapping in Adolescent and Young Adult Survivors of Childhood Cancers. Circulation: Cardiovascular Imaging, 2019, 12, e008453.	2.6	14
66	Induction of MCP1, CCR2, and iNOS Expression in THP-1 Macrophages by Serum of Children Late After Kawasaki Disease. Pediatric Research, 2005, 58, 1306-1310.	2.3	13
67	Right and left ventricular mechanics and interaction late after balloon valvoplasty for pulmonary stenosis. European Heart Journal Cardiovascular Imaging, 2014, 15, 1020-1028.	1.2	13
68	An evolving role of transesophageal echocardiography for the monitoring of interventional catheterization in children. Clinical Cardiology, 1999, 22, 804-810.	1.8	11
69	Impact of Right Ventricular Pacing on Three-Dimensional Global Left Ventricular Dyssynchrony in Children and Young Adults With Congenital and Acquired Heart Block Associated With Congenital Heart Disease. American Journal of Cardiology, 2009, 104, 700-706.	1.6	11
70	Right Atrial Mechanics Longâ€Term after Biventricular Repair of Pulmonary Atresia or Stenosis with Intact Ventricular Septum. Echocardiography, 2016, 33, 586-595.	0.9	11
71	Evolving management for critical pulmonary stenosis in neonates and young infants. Cardiology in the Young, 2000, 10, 186-192.	0.8	10
72	Cardiovascular symptoms and signs in evaluating cardiac murmurs in children. Pediatrics International, 2008, 50, 145-149.	0.5	10

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73	Circulating levels of biomarkers of collagen synthesis and ventricular function and dyssynchrony in adolescents and young adults after repair of tetralogy of Fallot. American Heart Journal, 2011, 162, 467-473.	2.7	10
74	Left Atrial Mechanics and Integrated Calibrated Backscatter in Anthracycline-Treated Long-Term Survivors of Childhood Cancers. Ultrasound in Medicine and Biology, 2017, 43, 1897-1905.	1.5	10
75	Circulating Micro <scp>RNA</scp> in patients with repaired tetralogy of Fallot. European Journal of Clinical Investigation, 2017, 47, 574-582.	3.4	10
76	Achieving biventricular circulation in patients with moderate hypoplastic right ventricle in pulmonary atresia intact ventricular septum after transcatheter pulmonary valve perforation. Congenital Heart Disease, 2018, 13, 884-891.	0.2	10
77	Circulating Transforming Growth Factor- $\hat{l}^2$ and Aortic Dilation in Patients with Repaired Congenital Heart Disease. Scientific Reports, 2019, 9, 162.	3.3	10
78	Atrial Strain Imaging after Repair of Tetralogy of Fallot: A Systematic Review. Ultrasound in Medicine and Biology, 2019, 45, 1896-1908.	1.5	10
79	Ventricular Myocardial Deformation Imaging of Patients with Repaired Tetralogy of Fallot. Journal of the American Society of Echocardiography, 2020, 33, 788-801.	2.8	10
80	Combinatorial Treatment of Human Cardiac Engineered Tissues With Biomimetic Cues Induces Functional Maturation as Revealed by Optical Mapping of Action Potentials and Calcium Transients. Frontiers in Physiology, 2020, 11, 165.	2.8	10
81	Functional Assessment for Congenital Heart Disease. Korean Circulation Journal, 2014, 44, 59.	1.9	9
82	Pulmonary valve replacement and quality-of-life assessment. Asian Cardiovascular and Thoracic Annals, 2016, 24, 5-11.	0.5	8
83	Left and Right Ventricular Systolic and Diastolic Functional Reserves Are Impaired in Anthracycline-Treated Long-Term Survivors of Childhood Cancers. Journal of the American Society of Echocardiography, 2019, 32, 277-285.	2.8	8
84	Plasma High Sensitivity Troponin T Levels in Adult Survivors of Childhood Leukaemias: Determinants and Associations with Cardiac Function. PLoS ONE, 2013, 8, e77063.	2.5	8
85	Myocardial Deformation Imaging by Speckle-Tracking Echocardiography for Assessment of Cardiotoxicity in Children during and after Chemotherapy: A Systematic Review and Meta-Analysis. Journal of the American Society of Echocardiography, 2022, 35, 629-656.	2.8	8
86	Modulating effects of matrix metalloproteinase-3 and -9 polymorphisms on aortic stiffness and aortic root dilation in patients after tetralogy of Fallot repair. International Journal of Cardiology, 2011, 151, 214-217.	1.7	7
87	Left Ventricular Contractile Reserve in Young Adults Long-Term After Repair of Coarctation of the Aorta. American Journal of Cardiology, 2015, 115, 348-353.	1.6	7
88	Two- and three-dimensional myocardial strain imaging in the interrogation of sex differences in cardiac mechanics of long-term survivors of childhood cancers. International Journal of Cardiovascular Imaging, 2019, 35, 999-1007.	1.5	7
89	Left and Right Atrial Function and Remodeling in Beta-Thalassaemia Major. Pediatric Cardiology, 2019, 40, 1001-1008.	1.3	7
90	Fifty-Five Years Follow-Up of 111 Adult Survivors After Biventricular Repair of PAIVS and PS. Pediatric Cardiology, 2019, 40, 374-383.	1.3	7

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91	Left Ventricular Stiffness in Adolescents and Young Adults After Arterial Switch Operation for Complete Transposition of the Great Arteries. Pediatric Cardiology, 2020, 41, 747-754.	1.3	7
92	Iron-Overload Induces Apoptosis in Cardiomyocytes and Hepatocytes Via Mitochondrial/Caspase-3 Pathways Blood, 2008, 112, 1872-1872.	1.4	7
93	Left ventricular torsional mechanics and diastolic function in congenital heart block with right ventricular pacing. International Journal of Cardiology, 2012, 160, 31-35.	1.7	6
94	Circulating Annexin A5 Levels after Atrial Switch for Transposition of the Great Arteries: Relationship with Ventricular Deformation and Geometry. PLoS ONE, 2012, 7, e52125.	2.5	6
95	Right Ventricular Myocardial Motion and Deformation in Adolescents and Young Adults after Repair of Coarctation of the Aorta. Echocardiography, 2015, 32, 797-804.	0.9	6
96	Dynamic Dyssynchrony and Impaired Contractile Reserve of the Left Ventricle in Beta-Thalassaemia Major: An Exercise Echocardiographic Study. PLoS ONE, 2012, 7, e45265.	2.5	6
97	Left ventricular torsional mechanics and myocardial iron load in beta-thalassaemia major: a potential role of titin degradation. BMC Cardiovascular Disorders, 2014, 14, 49.	1.7	5
98	Plasma Levels of High Sensitivity Cardiac Troponin T in Adults with Repaired Tetralogy of Fallot. Scientific Reports, 2015, 5, 14050.	3.3	5
99	Associations between arterial structure and function and serum levels of liver enzymes in obese adolescents. Journal of Paediatrics and Child Health, 2017, 53, 691-697.	0.8	5
100	Ventricular mechanics after repair of subarterial and perimembranous <scp>VSD</scp> s. European Journal of Clinical Investigation, 2017, 47, e12852.	3.4	5
101	Differential myocardial fibrosis of the systemic right ventricle and subpulmonary left ventricle after atrial switch operation for complete transposition of the great arteries. IJC Heart and Vasculature, 2020, 30, 100612.	1.1	5
102	Human Pluripotent Stem Cells for Modeling of Anticancer Therapy-Induced Cardiotoxicity and Cardioprotective Drug Discovery. Frontiers in Pharmacology, 2021, 12, 650039.	3.5	5
103	Right Ventricular–Pulmonary Arterial Coupling in Repaired Tetralogy of Fallot. Pediatric Cardiology, 2022, 43, 207-217.	1.3	5
104	Impact of Temporary Interruption of Right Ventricular Pacing for Heart Block on Left Ventricular Function and Dyssynchrony. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 41-48.	1.2	4
105	Myocardial Integrated Backscatter in Obese Adolescents: Associations with Measures of Adiposity and Left Ventricular Deformation. PLoS ONE, 2015, 10, e0141149.	2.5	4
106	Left Ventricular Stiffness in Adolescents and Young Adults with Repaired Tetralogy of Fallot. Scientific Reports, 2017, 7, 1252.	3.3	4
107	Quantification of Pulmonary Regurgitation by Vector Flow Mapping in Congenital Heart Patients after Repair of Right Ventricular Outflow Obstruction: A Preliminary Study. Journal of the American Society of Echocardiography, 2017, 30, 984-991.	2.8	4
108	Monoallelic Mutations in <i>CC2D1A</i> Suggest a Novel Role in Human Heterotaxy and Ciliary Dysfunction. Circulation Genomic and Precision Medicine, 2020, 13, e003000.	3.6	4

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109	Apoptosis of Cardiomyocytes in Children with Right Ventricular Pressure Overload with and without Hypoxemia. Journal of Cardiac Surgery, 2014, 29, 531-536.	0.7	3
110	Circulating CD133+VEGFR2+ and CD34+VEGFR2+ cells and arterial function in patients with beta-thalassaemia major. Annals of Hematology, 2012, 91, 345-352.	1.8	2
111	Resting and exercise arterial dysfunction in anthracycline-treated adult survivors of childhood cancers. Cardio-Oncology, 2018, 4, 9.	1.7	2
112	Transcatheter occlusion of complex pulmonary arteriovenous malformations in a cyanotic child. Journal of Cardiology Cases, 2018, 18, 65-69.	0.5	2
113	Left ventricular stiffness in paediatric patients with end-stage kidney disease. Pediatric Nephrology, 2020, 35, 1051-1060.	1.7	2
114	Three Decades of Follow-up After Surgical Closure of Subarterial Ventricular Septal Defect. Pediatric Cardiology, 2021, 42, 1216-1223.	1.3	2
115	The Effect and Underlying Mechanism of Melatonin on Platelet Formation and Survival in a Thrombocytopenic Model Blood, 2008, 112, 1241-1241.	1.4	2
116	Native cardiac magnetic resonance T1 mapping and cardiac mechanics as assessed by speckle tracking echocardiography in patients with beta-thalassaemia major. IJC Heart and Vasculature, 2022, 38, 100947.	1.1	2
117	Systolic and diastolic functional reserve of the subpulmonary and systemic right ventricles as assessed by pharmacologic and exercise stress: A systematic review. Echocardiography, 2022, 39, 310-329.	0.9	2
118	Frontal QRS-T angle and ventricular mechanics in congenital heart disease. Heart and Vessels, 2020, 35, 1299-1306.	1.2	1
119	Tricuspid Regurgitation in Adults after Repair of Right Ventricular Outflow Obstructive Lesions. Pediatric Cardiology, 2020, 41, 1153-1159.	1.3	1
120	Progressive pulmonary hypertension in cyanotic congenital heart disease with severe pulmonary stenosis. Cardiology in the Young, 1996, 6, 228-231.	0.8	0
121	Interplay between right atrial function and liver stiffness in adults with repaired right ventricular outflow obstructive lesions. European Heart Journal Cardiovascular Imaging, 2021, 22, 1285-1294.	1.2	0
122	An Unusual Cause of Cyanosis after Fontan Procedure in Right Atrial Isomerism. Case, 2021, 6, 50-54.	0.3	0
123	Echocardiographic evaluation of right ventricular function in congenital heart disease. Chinese Medical Journal, 2014, 127, 3789-97.	2.3	0