

Yiu-fai Cheung

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

2,597
citations

27
h-index

47
g-index

129
ext. papers

2,981
ext. citations

3.5
avg, IF

4.97
L-index

#	Paper	IF	Citations
121	Genome-wide association study identifies FCGR2A as a susceptibility locus for Kawasaki disease. <i>Nature Genetics</i> , 2011 , 43, 1241-6	36.3	236
120	BP and arterial distensibility in children with primary snoring. <i>Chest</i> , 2003 , 123, 1561-6	5.3	118
119	Novel and traditional cardiovascular risk factors in children after Kawasaki disease: implications for premature atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 120-4	15.1	114
118	Aortic root dilation and aortic elastic properties in children after repair of tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2006 , 97, 905-9	3	95
117	Left ventricular myocardial deformation and mechanical dyssynchrony in children with normal ventricular shortening fraction after anthracycline therapy. <i>Heart</i> , 2010 , 96, 1137-41	5.1	93
116	Peritoneal dialysis after surgery for congenital heart disease in infants and young children. <i>Annals of Thoracic Surgery</i> , 2003 , 76, 1443-9	2.7	88
115	Chylothorax in children after congenital heart surgery. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 1650-6	2.7	87
114	Octreotide for treatment of postoperative chylothorax. <i>Journal of Pediatrics</i> , 2001 , 139, 157-9	3.6	86
113	Meta-analysis of pulmonary valve replacement after operative repair of tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2010 , 106, 552-7	3	85
112	Impact of right ventricular dilation on left ventricular myocardial deformation in patients after surgical repair of tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2009 , 104, 1264-70	3	75
111	Analysis of indications for surgical closure of subarterial ventricular septal defect without associated aortic cusp prolapse and aortic regurgitation. <i>American Journal of Cardiology</i> , 2001 , 87, 1266-70	3	58
110	Impact of right ventricular volume overload on three-dimensional global left ventricular mechanical dyssynchrony after surgical repair of tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2008 , 102, 1731-6	3.6	52
109	Impact of preoperative aortic cusp prolapse on long-term outcome after surgical closure of subarterial ventricular septal defect. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 622-7	2.7	48
108	Mechanical right ventricular dyssynchrony in patients after atrial switch operation for transposition of the great arteries. <i>American Journal of Cardiology</i> , 2008 , 101, 874-81	3	44
107	New three-dimensional speckle-tracking echocardiography identifies global impairment of left ventricular mechanics with a high sensitivity in childhood cancer survivors. <i>Journal of the American Society of Echocardiography</i> , 2013 , 26, 846-52	5.8	43
106	Inflammatory gene polymorphisms and susceptibility to Kawasaki disease and its arterial sequelae. <i>Pediatrics</i> , 2008 , 122, e608-14	7.4	39
105	The role of 3D wall motion tracking in heart failure. <i>Nature Reviews Cardiology</i> , 2012 , 9, 644-57	14.8	38

104	Left ventricular twisting and untwisting motion in childhood cancer survivors. <i>Echocardiography</i> , 2011 , 28, 738-45	1.5	36
103	Transmural strain and rotation gradient in survivors of childhood cancers. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 175-82	4.1	35
102	Three-dimensional mechanical dyssynchrony and myocardial deformation of the left ventricle in patients with tricuspid atresia after Fontan procedure. <i>Journal of the American Society of Echocardiography</i> , 2012 , 25, 393-400	5.8	34
101	Oxidative stress in children late after Kawasaki disease: relationship with carotid atherosclerosis and stiffness. <i>BMC Pediatrics</i> , 2008 , 8, 20	2.6	34
100	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. <i>Clinical Cardiology</i> , 2010 , 33, 104-10	3.3	30
99	Plasma brain natriuretic peptide levels, right ventricular volume overload and exercise capacity in adolescents after surgical repair of tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2007 , 121, 155-62	3.2	29
98	Modulating effects of mannose binding lectin genotype on arterial stiffness in children after Kawasaki disease. <i>Pediatric Research</i> , 2004 , 56, 591-6	3.2	29
97	Under-recognition of 22q11.2 deletion in adult Chinese patients with conotruncal anomalies: implications in transitional care. <i>European Journal of Medical Genetics</i> , 2014 , 57, 306-11	2.6	28
96	Brain natriuretic peptide as a biomarker of systemic right ventricular function in patients with transposition of great arteries after atrial switch operation. <i>International Journal of Cardiology</i> , 2008 , 127, 192-7	3.2	28
95	Mesenteric blood flow response to feeding after systemic-to-pulmonary arterial shunt palliation. <i>Annals of Thoracic Surgery</i> , 2003 , 75, 947-51	2.7	28
94	Myocardial deformation in patients with Beta-thalassemia major: a speckle tracking echocardiographic study. <i>Echocardiography</i> , 2010 , 27, 253-9	1.5	26
93	Cardiac rhythm and symptomatic arrhythmia in right atrial isomerism. <i>American Heart Journal</i> , 2002 , 144, 159-64	4.9	26
92	Relation of arterial stiffness to left ventricular structure and function in adolescents and young adults with pediatric-onset systemic lupus erythematosus. <i>Journal of Rheumatology</i> , 2007 , 34, 1345-52	4.1	26
91	Right ventricular mechanics in adults after surgical repair of tetralogy of fallot: insights from three-dimensional speckle-tracking echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 423-9	5.8	25
90	Arterial stiffness in the young: assessment, determinants, and implications. <i>Korean Circulation Journal</i> , 2010 , 40, 153-62	2.2	25
89	Novel area strain based on three-dimensional wall motion analysis for assessment of global left ventricular performance after repair of tetralogy of Fallot. <i>Journal of the American Society of Echocardiography</i> , 2011 , 24, 819-25	5.8	25
88	Circulating microRNA expression profile and systemic right ventricular function in adults after atrial switch operation for complete transposition of the great arteries. <i>BMC Cardiovascular Disorders</i> , 2013 , 13, 73	2.3	24
87	Left ventricular mechanics in repaired tetralogy of Fallot with and without pulmonary valve replacement: analysis by three-dimensional speckle tracking echocardiography. <i>PLoS ONE</i> , 2013 , 8, e78826	3.7	23

86	Systemic oxygen saturation and coagulation factor abnormalities before and after the fontan procedure. <i>American Journal of Cardiology</i> , 2005 , 96, 1571-5	3	23
85	Childhood Obesity and Physical Activity-Friendly School Environments. <i>Journal of Pediatrics</i> , 2017 , 191, 110-116	3.6	22
84	Early and intermediate-term complications of self-expanding stents limit its potential application in children with congenital heart disease. <i>Journal of the American College of Cardiology</i> , 2000 , 35, 1007-15	15.1	22
83	Iron overload and apoptosis of HL-1 cardiomyocytes: effects of calcium channel blockade. <i>PLoS ONE</i> , 2014 , 9, e112915	3.7	22
82	Atrial mechanics after surgical repair of tetralogy of Fallot. <i>Echocardiography</i> , 2015 , 32, 126-34	1.5	21
81	Management of symptomatic congenital tracheal stenosis in neonates and infants by slide tracheoplasty: a 7-year single institution experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 38, 609-14	3	20
80	Functional implications of the right ventricular myocardial performance index in patients after surgical repair of tetralogy of Fallot. <i>Heart and Vessels</i> , 2008 , 23, 112-7	2.1	20
79	Doppler tissue imaging analysis of ventricular function after surgical and transcatheter closure of atrial septal defect. <i>American Journal of Cardiology</i> , 2004 , 93, 375-8	3	20
78	Torsional mechanics of the left ventricle in patients after surgical repair of tetralogy of Fallot. <i>Circulation Journal</i> , 2011 , 75, 1735-41	2.9	17
77	Usefulness of laser-assisted valvotomy with balloon valvoplasty for pulmonary valve atresia with intact ventricular septum. <i>American Journal of Cardiology</i> , 2002 , 90, 438-42	3	17
76	Carvedilol protects against iron-induced microparticle generation and apoptosis of endothelial cells. <i>Acta Haematologica</i> , 2014 , 132, 200-10	2.7	16
75	Arterial mechanics at rest and during exercise in adolescents and young adults after arterial switch operation for complete transposition of the great arteries. <i>American Journal of Cardiology</i> , 2014 , 113, 713-8	3	16
74	Atrial and ventricular mechanics in patients after Fontan-type procedures: atriopulmonary connection versus extracardiac conduit. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 666-74	5.8	16
73	Diastolic ventricular interaction in patients after atrial switch for transposition of the great arteries: a speckle tracking echocardiographic study. <i>International Journal of Cardiology</i> , 2011 , 152, 28-34	3.2	16
72	Plasma brain natriuretic peptide and systemic ventricular function in asymptomatic patients late after the Fontan procedure. <i>Heart and Vessels</i> , 2007 , 22, 398-403	2.1	16
71	Deferiprone inhibits iron overload-induced tissue factor bearing endothelial microparticle generation by inhibition oxidative stress induced mitochondrial injury, and apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2018 , 338, 148-158	4.6	16
70	Arterial-left ventricular-left atrial coupling late after repair of aortic coarctation and interruption. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 771-80	4.1	15
69	Myocardial iron load and fibrosis in long term survivors of childhood leukemia. <i>Pediatric Blood and Cancer</i> , 2015 , 62, 698-703	3	15

68	Left ventricular contractile reserve after arterial switch operation for complete transposition of the great arteries: an exercise echocardiographic study. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 480-6	4.1	15
67	Assessment of right and left ventricular function by tissue Doppler echocardiography in patients after biventricular repair of pulmonary atresia with intact ventricular septum. <i>International Journal of Cardiology</i> , 2006 , 109, 329-34	3.2	15
66	Surgical validation and implications for transcatheter closure of quantitative echocardiographic evaluation of atrial septal defect. <i>American Journal of Cardiology</i> , 2000 , 85, 1124-30	3	14
65	Left ventricular noncompaction in children. <i>Congenital Heart Disease</i> , 2009 , 4, 288-94	3.1	13
64	Left ventricular mechanics in adolescents and young adults with a history of kawasaki disease: analysis by three-dimensional speckle tracking echocardiography. <i>Echocardiography</i> , 2014 , 31, 483-91	1.5	12
63	Induction of MCP1, CCR2, and iNOS expression in THP-1 macrophages by serum of children late after Kawasaki disease. <i>Pediatric Research</i> , 2005 , 58, 1306-10	3.2	12
62	Right Atrial Mechanics Long-Term after Biventricular Repair of Pulmonary Atresia or Stenosis with Intact Ventricular Septum. <i>Echocardiography</i> , 2016 , 33, 586-95	1.5	11
61	Myocardial stiffness as assessed by diastolic wall strain in adult survivors of childhood leukaemias with preserved left ventricular ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 451-458	4.1	11
60	Right and left ventricular mechanics and interaction late after balloon valvoplasty for pulmonary stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 1020-8	4.1	10
59	Transcatheter closure of persistent arterial ducts with different types of coils. <i>American Heart Journal</i> , 2001 , 141, 87-91	4.9	10
58	Vascular health late after Kawasaki disease: implications for accelerated atherosclerosis. <i>Korean Journal of Pediatrics</i> , 2014 , 57, 472-8	2.4	10
57	Single-Cell Transcriptomics of Engineered Cardiac Tissues From Patient-Specific Induced Pluripotent Stem Cell-Derived Cardiomyocytes Reveals Abnormal Developmental Trajectory and Intrinsic Contractile Defects in Hypoplastic Right Heart Syndrome. <i>Journal of the American Heart Association</i> , 2020 , 9, e014528	6	10
56	Role of Three-Dimensional Speckle Tracking Echocardiography in the Quantification of Myocardial Iron Overload in Patients with Beta-Thalassemia Major. <i>Echocardiography</i> , 2016 , 33, 1361-7	1.5	10
55	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. <i>American Journal of Cardiology</i> , 2009 , 104, 700-6	3	9
54	An evolving role of transesophageal echocardiography for the monitoring of interventional catheterization in children. <i>Clinical Cardiology</i> , 1999 , 22, 804-10	3.3	9
53	Cardiac Magnetic Resonance T1 Mapping in Adolescent and Young Adult Survivors of Childhood Cancers. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008453	3.9	8
52	Functional assessment for congenital heart disease. <i>Korean Circulation Journal</i> , 2014 , 44, 59-73	2.2	8
51	Cardiovascular symptoms and signs in evaluating cardiac murmurs in children. <i>Pediatrics International</i> , 2008 , 50, 145-9	1.2	8

50	Achieving biventricular circulation in patients with moderate hypoplastic right ventricle in pulmonary atresia intact ventricular septum after transcatheter pulmonary valve perforation. <i>Congenital Heart Disease</i> , 2018 , 13, 884-891	3.1	8
49	Circulating MicroRNA in patients with repaired tetralogy of Fallot. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 574-582	4.6	7
48	Left ventricular contractile reserve in young adults long-term after repair of coarctation of the aorta. <i>American Journal of Cardiology</i> , 2015 , 115, 348-53	3	7
47	Circulating levels of biomarkers of collagen synthesis and ventricular function and dyssynchrony in adolescents and young adults after repair of tetralogy of Fallot. <i>American Heart Journal</i> , 2011 , 162, 467-473	4.9	7
46	Evolving management for critical pulmonary stenosis in neonates and young infants. <i>Cardiology in the Young</i> , 2000 , 10, 186-92	1	7
45	Plasma high sensitivity troponin T levels in adult survivors of childhood leukaemias: determinants and associations with cardiac function. <i>PLoS ONE</i> , 2013 , 8, e77063	3.7	7
44	Atrial Strain Imaging after Repair of Tetralogy of Fallot: A Systematic Review. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 1896-1908	3.5	6
43	Pulmonary valve replacement and quality-of-life assessment. <i>Asian Cardiovascular and Thoracic Annals</i> , 2016 , 24, 5-11	0.6	6
42	Modulating effects of matrix metalloproteinase-3 and -9 polymorphisms on aortic stiffness and aortic root dilation in patients after tetralogy of Fallot repair. <i>International Journal of Cardiology</i> , 2011 , 151, 214-7	3.2	6
41	Circulating high-sensitivity troponin T and microRNAs as markers of myocardial damage during childhood leukaemia treatment. <i>Pediatric Research</i> , 2021 , 89, 1245-1252	3.2	6
40	Circulating Transforming Growth Factor- β and Aortic Dilation in Patients with Repaired Congenital Heart Disease. <i>Scientific Reports</i> , 2019 , 9, 162	4.9	5
39	Left and Right Atrial Function and Remodeling in Beta-Thalassaemia Major. <i>Pediatric Cardiology</i> , 2019 , 40, 1001-1008	2.1	5
38	Combinatorial Treatment of Human Cardiac Engineered Tissues With Biomimetic Cues Induces Functional Maturation as Revealed by Optical Mapping of Action Potentials and Calcium Transients. <i>Frontiers in Physiology</i> , 2020 , 11, 165	4.6	5
37	Left Atrial Mechanics and Integrated Calibrated Backscatter in Anthracycline-Treated Long-Term Survivors of Childhood Cancers. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 1897-1905	3.5	5
36	Plasma Levels of High Sensitivity Cardiac Troponin T in Adults with Repaired Tetralogy of Fallot. <i>Scientific Reports</i> , 2015 , 5, 14050	4.9	5
35	Left ventricular torsional mechanics and myocardial iron load in beta-thalassaemia major: a potential role of titin degradation. <i>BMC Cardiovascular Disorders</i> , 2014 , 14, 49	2.3	5
34	Left ventricular torsional mechanics and diastolic function in congenital heart block with right ventricular pacing. <i>International Journal of Cardiology</i> , 2012 , 160, 31-5	3.2	5
33	Circulating annexin A5 levels after atrial switch for transposition of the great arteries: relationship with ventricular deformation and geometry. <i>PLoS ONE</i> , 2012 , 7, e52125	3.7	5

32	Dynamic dyssynchrony and impaired contractile reserve of the left ventricle in beta-thalassaemia major: an exercise echocardiographic study. <i>PLoS ONE</i> , 2012 , 7, e45265	3.7	5
31	Fifty-Five Years Follow-Up of 111 Adult Survivors After Biventricular Repair of PAIVS and PS. <i>Pediatric Cardiology</i> , 2019 , 40, 374-383	2.1	5
30	Two- and three-dimensional myocardial strain imaging in the interrogation of sex differences in cardiac mechanics of long-term survivors of childhood cancers. <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 999-1007	2.5	4
29	Right ventricular myocardial motion and deformation in adolescents and young adults after repair of coarctation of the aorta. <i>Echocardiography</i> , 2015 , 32, 797-804	1.5	4
28	Left Ventricular Stiffness in Adolescents and Young Adults with Repaired Tetralogy of Fallot. <i>Scientific Reports</i> , 2017 , 7, 1252	4.9	4
27	Quantification of Pulmonary Regurgitation by Vector Flow Mapping in Congenital Heart Patients after Repair of Right Ventricular Outflow Obstruction: A Preliminary Study. <i>Journal of the American Society of Echocardiography</i> , 2017 , 30, 984-991	5.8	4
26	Myocardial Integrated Backscatter in Obese Adolescents: Associations with Measures of Adiposity and Left Ventricular Deformation. <i>PLoS ONE</i> , 2015 , 10, e0141149	3.7	4
25	Ventricular Myocardial Deformation Imaging of Patients with Repaired Tetralogy of Fallot. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 788-801	5.8	3
24	Impact of temporary interruption of right ventricular pacing for heart block on left ventricular function and dyssynchrony. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010 , 33, 41-8	1.6	3
23	Associations between arterial structure and function and serum levels of liver enzymes in obese adolescents. <i>Journal of Paediatrics and Child Health</i> , 2017 , 53, 691-697	1.3	2
22	Left Ventricular Stiffness in Adolescents and Young Adults After Arterial Switch Operation for Complete Transposition of the Great Arteries. <i>Pediatric Cardiology</i> , 2020 , 41, 747-754	2.1	2
21	Circulating CD133(+)/VEGFR2 (+) and CD34 (+)/VEGFR2 (+) cells and arterial function in patients with beta-thalassaemia major. <i>Annals of Hematology</i> , 2012 , 91, 345-52	3	2
20	Ventricular mechanics after repair of subarterial and perimembranous VSDs. <i>European Journal of Clinical Investigation</i> , 2017 , 47, e12852	4.6	2
19	Iron-Overload Induces Apoptosis in Cardiomyocytes and Hepatocytes Via Mitochondrial/Caspase-3 Pathways.. <i>Blood</i> , 2008 , 112, 1872-1872	2.2	2
18	Monoallelic Mutations in Suggest a Novel Role in Human Heterotaxy and Ciliary Dysfunction. <i>Circulation Genomic and Precision Medicine</i> , 2020 , 13, e003000	5.2	2
17	Left and Right Ventricular Systolic and Diastolic Functional Reserves Are Impaired in Anthracycline-Treated Long-Term Survivors of Childhood Cancers. <i>Journal of the American Society of Echocardiography</i> , 2019 , 32, 277-285	5.8	2
16	Apoptosis of cardiomyocytes in children with right ventricular pressure overload with and without hypoxemia. <i>Journal of Cardiac Surgery</i> , 2014 , 29, 531-6	1.3	1
15	The Effect and Underlying Mechanism of Melatonin on Platelet Formation and Survival in a Thrombocytopenic Model.. <i>Blood</i> , 2008 , 112, 1241-1241	2.2	1

14	Differential myocardial fibrosis of the systemic right ventricle and subpulmonary left ventricle after atrial switch operation for complete transposition of the great arteries. <i>IJC Heart and Vasculature</i> , 2020 , 30, 100612	2.4	1
13	Transcatheter occlusion of complex pulmonary arteriovenous malformations in a cyanotic child. <i>Journal of Cardiology Cases</i> , 2018 , 18, 65-69	0.6	1
12	Left ventricular stiffness in paediatric patients with end-stage kidney disease. <i>Pediatric Nephrology</i> , 2020 , 35, 1051-1060	3.2	0
11	Tricuspid Regurgitation in Adults after Repair of Right Ventricular Outflow Obstructive Lesions. <i>Pediatric Cardiology</i> , 2020 , 41, 1153-1159	2.1	0
10	Human Pluripotent Stem Cells for Modeling of Anticancer Therapy-Induced Cardiotoxicity and Cardioprotective Drug Discovery. <i>Frontiers in Pharmacology</i> , 2021 , 12, 650039	5.6	0
9	Three Decades of Follow-up After Surgical Closure of Subarterial Ventricular Septal Defect. <i>Pediatric Cardiology</i> , 2021 , 42, 1216-1223	2.1	0
8	Resting and exercise arterial dysfunction in anthracycline-treated adult survivors of childhood cancers. <i>Cardio-Oncology</i> , 2018 , 4, 9	2.8	0
7	Right Ventricular-Pulmonary Arterial Coupling in Repaired Tetralogy of Fallot. <i>Pediatric Cardiology</i> , 2021 , 1	2.1	0
6	Progressive pulmonary hypertension in cyanotic congenital heart disease with severe pulmonary stenosis. <i>Cardiology in the Young</i> , 1996 , 6, 228-231	1	
5	An Unusual Cause of Cyanosis after Fontan Procedure in Right Atrial Isomerism.. <i>Case</i> , 2022 , 6, 50-54	0.5	
4	Native cardiac magnetic resonance T1 mapping and cardiac mechanics as assessed by speckle tracking echocardiography in patients with beta-thalassaemia major.. <i>IJC Heart and Vasculature</i> , 2022 , 38, 100947	2.4	
3	Interplay between right atrial function and liver stiffness in adults with repaired right ventricular outflow obstructive lesions. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1285-1294	4.1	
2	Frontal QRS-T angle and ventricular mechanics in congenital heart disease. <i>Heart and Vessels</i> , 2020 , 35, 1299-1306	2.1	
1	Echocardiographic evaluation of right ventricular function in congenital heart disease. <i>Chinese Medical Journal</i> , 2014 , 127, 3789-97	2.9	