

Elaine Tang

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.

17 papers	426 citations	12 h-index	20 g-index
20 ext. papers	508 ext. citations	3.5 avg, IF	3.15 L-index

#	Paper	IF	Citations
17	Exercise capacity in single-ventricle patients after Fontan correlates with haemodynamic energy loss in TCPC. <i>Heart</i> , 2015 , 101, 139-43	5.1	78
16	Fontan hemodynamics from 100 patient-specific cardiac magnetic resonance studies: a computational fluid dynamics analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1481-9	1.5	57
15	Geometric characterization of patient-specific total cavopulmonary connections and its relationship to hemodynamics. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 215-24	8.4	49
14	Effect of Fontan geometry on exercise haemodynamics and its potential implications. <i>Heart</i> , 2017 , 103, 1806-1812	5.1	35
13	Respiratory Effects on Fontan Circulation During Rest and Exercise Using Real-Time Cardiac Magnetic Resonance Imaging. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1818-25	2.7	29
12	Energetic implications of vessel growth and flow changes over time in Fontan patients. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 163-70	2.7	28
11	Can time-averaged flow boundary conditions be used to meet the clinical timeline for Fontan surgical planning?. <i>Journal of Biomechanics</i> , 2017 , 50, 172-179	2.9	27
10	Fontan pathway growth: a quantitative evaluation of lateral tunnel and extracardiac cavopulmonary connections using serial cardiac magnetic resonance. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 916-22	2.7	23
9	Effect of flow pulsatility on modeling the hemodynamics in the total cavopulmonary connection. <i>Journal of Biomechanics</i> , 2012 , 45, 2376-81	2.9	19
8	Leg lean mass correlates with exercise systemic output in young Fontan patients. <i>Heart</i> , 2018 , 104, 680-684	5.1	14
7	Numerical and experimental investigation of pulsatile hemodynamics in the total cavopulmonary connection. <i>Journal of Biomechanics</i> , 2013 , 46, 373-82	2.9	13
6	The effect of respiration-driven flow waveforms on hemodynamic metrics used in Fontan surgical planning. <i>Journal of Biomechanics</i> , 2019 , 82, 87-95	2.9	13
5	Hemodynamic effects of implanting a unidirectional valve in the inferior vena cava of the Fontan circulation pathway: an in vitro investigation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1538-47	5.2	11
4	Fluid-Structure Interaction Simulation of an Intra-Atrial Fontan Connection. <i>Biology</i> , 2020 , 9,	4.9	8
3	Haemodynamic impact of stent implantation for lateral tunnel Fontan stenosis: a patient-specific computational assessment. <i>Cardiology in the Young</i> , 2016 , 26, 116-26	1	6
2	Impact of Free-Breathing Phase-Contrast MRI on Decision-Making in Fontan Surgical Planning. <i>Journal of Cardiovascular Translational Research</i> , 2020 , 13, 640-647	3.3	5
1	Does TCPC power loss really affect exercise capacity?. <i>Heart</i> , 2015 , 101, 575-6	5.1	3

