Elaine Tang

List of Publications by Year in Descending Order

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