

Maria Restrepo

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

16
papers

475
citations

13
h-index

18
g-index

18
ext. papers

557
ext. citations

3.2
avg, IF

3.01
L-index

#	Paper	IF	Citations
16	Effect of Fontan geometry on exercise haemodynamics and its potential implications. <i>Heart</i> , 2017 , 103, 1806-1812	5.1	35
15	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
14	A pulsatile hemodynamic evaluation of the commercially available bifurcated Y-graft Fontan modification and comparison with the lateral tunnel and extracardiac conduits. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1529-36	1.5	28
13	SURGEM: A solid modeling tool for planning and optimizing pediatric heart surgeries. <i>CAD Computer Aided Design</i> , 2016 , 70, 3-12	2.9	16
12	Hemodynamic Impact of Superior Vena Cava Placement in the Y-Graft Fontan Connection. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 183-9	2.7	6
11	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
10	Surgical planning of the total cavopulmonary connection: robustness analysis. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 1321-34	4.7	17
9	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
8	Does TCPC power loss really affect exercise capacity?. <i>Heart</i> , 2015 , 101, 575-6	5.1	3
7	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
6	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
5	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
4	Simulating hemodynamics of the Fontan Y-graft based on patient-specific in vivo connections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 663-70	1.5	33
3	Comparing pre- and post-operative Fontan hemodynamic simulations: implications for the reliability of surgical planning. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 2639-51	4.7	42
2	Preliminary clinical experience with a bifurcated Y-graft Fontan procedure--a feasibility study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 383-9	1.5	31
1	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