

# Maria Restrepo

## List of Publications by Year in descending order

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17  
papers

619  
citations

686830

13  
h-index

839053

18  
g-index

18  
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18  
docs citations

18  
times ranked

480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise capacity in single-ventricle patients after Fontan correlates with haemodynamic energy loss in TCPC. <i>Heart</i> , 2015, 101, 139-143.	1.2	104
2	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, 1481-1489.	0.4	86
3	Geometric Characterization of Patient-Specific Total Cavopulmonary Connections and its Relationship to Hemodynamics. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 215-224.	2.3	59
4	Comparing Pre- and Post-operative Fontan Hemodynamic Simulations: Implications for the Reliability of Surgical Planning. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2639-2651.	1.3	52
5	Effect of Fontan geometry on exercise haemodynamics and its potential implications. <i>Heart</i> , 2017, 103, 1806-1812.	1.2	46
6	Preliminary clinical experience with a bifurcated Y-graft Fontan procedureâ€”A feasibility study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 383-389.	0.4	42
7	Simulating hemodynamics of the Fontan Y-graft based on patient-specific inÂvivo connections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 663-670.	0.4	39
8	Energetic Implications of Vessel Growth and Flow Changes Over Time in Fontan Patients. <i>Annals of Thoracic Surgery</i> , 2015, 99, 163-170.	0.7	35
9	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, 1529-1536.	0.4	33
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, 916-922.	0.7	32
11	Effect of flow pulsatility on modeling the hemodynamics in the total cavopulmonary connection. <i>Journal of Biomechanics</i> , 2012, 45, 2376-2381.	0.9	20
12	Surgical Planning of the Total Cavopulmonary Connection: Robustness Analysis. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1321-1334.	1.3	20
13	SURGEM: A solid modeling tool for planning and optimizing pediatric heart surgeries. <i>CAD Computer Aided Design</i> , 2016, 70, 3-12.	1.4	20
14	Hemodynamic Impact of Superior Vena Cava Placement in the Y-Graft Fontan Connection. <i>Annals of Thoracic Surgery</i> , 2016, 101, 183-189.	0.7	10
15	Haemodynamic impact of stent implantation for lateral tunnel Fontan stenosis: a patient-specific computational assessment. <i>Cardiology in the Young</i> , 2016, 26, 116-126.	0.4	9
16	Fontan Geometry and Hemodynamics Are Associated With Quality of Life in Adolescents and Young Adults. <i>Annals of Thoracic Surgery</i> , 2022, 114, 841-847.	0.7	6
17	Does TCPC power loss really affect exercise capacity?. <i>Heart</i> , 2015, 101, 575.2-576.	1.2	3