

Maria Restrepo

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.

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 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Effect of Fontan geometry on exercise haemodynamics and its potential implications. <i>Heart</i> , 2017 , 103, 1806-1812 | 5.1 | 35 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | Surgical planning of the total cavopulmonary connection: robustness analysis. <i>Annals of Biomedical Engineering</i> , 2015 , 43, 1321-34 | 4.7 | 17 |
| 4 | 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 |
| 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 | 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 |
| 1 | Does TCPC power loss really affect exercise capacity?. <i>Heart</i> , 2015 , 101, 575-6 | 5.1 | 3 |