

Phillip M Trusty

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.

21
papers

289
citations

11
h-index

16
g-index

22
ext. papers

363
ext. citations

2.9
avg, IF

3.47
L-index

#	Paper	IF	Citations
21	Fontan Surgical Planning: Previous Accomplishments, Current Challenges, and Future Directions. <i>Journal of Cardiovascular Translational Research</i> , 2018 , 11, 133-144	3.3	36
20	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
19	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
18	The Advantages of Viscous Dissipation Rate over Simplified Power Loss as a Fontan Hemodynamic Metric. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 404-416	4.7	23
17	Impact of hemodynamics and fluid energetics on liver fibrosis after Fontan operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 156, 267-275	1.5	22
16	The first cohort of prospective Fontan surgical planning patients with follow-up data: How accurate is surgical planning?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 1146-1155	1.5	20
15	Analysis of Inlet Velocity Profiles in Numerical Assessment of Fontan Hemodynamics. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 2258-2270	4.7	16
14	Cardiac Magnetic Resonance-Derived Metrics Are Predictive of Liver Fibrosis in Fontan Patients. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 1904-1911	2.7	15
13	Local Hemodynamic Differences Between Commercially Available Y-Grafts and Traditional Fontan Baffles Under Simulated Exercise Conditions: Implications for Exercise Tolerance. <i>Cardiovascular Engineering and Technology</i> , 2017 , 8, 390-399	2.2	14
12	Using a Novel In Vitro Fontan Model and Condition-Specific Real-Time MRI Data to Examine Hemodynamic Effects of Respiration and Exercise. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 135-147	4.7	14
11	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
10	Non-Newtonian Effects on Patient-Specific Modeling of Fontan Hemodynamics. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2204-2217	4.7	10
9	Y-graft modification to the Fontan procedure: Increasingly balanced flow over time. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 652-661	1.5	10
8	Neosinus Flow Stasis Correlates With Thrombus Volume Post-TAVR: A Patient-Specific In Vitro Study. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 1288-1290	5	9
7	An in Vitro analysis of the PediMag and CentriMag for right-sided failing Fontan support. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1413-1421	1.5	7
6	The role of flow stasis in transcatheter aortic valve leaflet thrombosis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	7
5	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

4	In Vitro Examination of the VentriFlo True Pulse Pump for Failing Fontan Support. <i>Artificial Organs</i> , 2019 , 43, 181-188	2.6	5
3	Computational modeling of a right-sided Fontan assist device: Effectiveness across patient anatomies and cannulations. <i>Journal of Biomechanics</i> , 2020 , 109, 109917	2.9	3
2	Target Flow-Pressure Operating Range for Designing a Failing Fontan Cavopulmonary Support Device. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2925-2933	5	2
1	Cross-Sectional Magnetic Resonance and Modeling Comparison From Just After Fontan to the Teen Years. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 574-582	2.7	2