

Thomas Finocchiaro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Controlling the flow balance: In vitro characterization of a pulsatile total artificial heart in preload and afterload sensitivity. <i>Artificial Organs</i> , 2022, 46, 71-82.	1.9	3
2	Experimental investigation of right-left flow balance concepts for a total artificial heart. <i>Artificial Organs</i> , 2021, 45, 364-372.	1.9	5
3	Driver electronics design and control for a total artificial heart linear motor. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1487-1498.	2.8	1
4	Prototype Development of an Implantable Compliance Chamber for a Total Artificial Heart. <i>Artificial Organs</i> , 2017, 41, 122-129.	1.9	6
5	Estimation of Filling and Afterload Conditions by Pump Intrinsic Parameters in a Pulsatile Total Artificial Heart. <i>Artificial Organs</i> , 2016, 40, 638-644.	1.9	7
6	Investigation of the Durability of a Diaphragm for a Total Artificial Heart. <i>Artificial Organs</i> , 2016, 40, 1016-1022.	1.9	5
7	Design and Evaluation of a Fully Implantable Control Unit for Blood Pumps. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	6
8	Mock Circulation Loop to Investigate Hemolysis in a Pulsatile Total Artificial Heart. <i>Artificial Organs</i> , 2015, 39, 416-422.	1.9	21
9	System overview of the fully implantable destination therapy "ReinHeart-total artificial heart. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 80-86.	1.4	51
10	Paving the way for destination therapy of end-stage biventricular heart failure: the ReinHeart total artificial heart concept. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 46, 935-936.	1.4	13
11	Design and Evaluation of a Hybrid Mock Circulatory Loop for total Artificial Heart Testing. <i>International Journal of Artificial Organs</i> , 2014, 37, 71-80.	1.4	39
12	Image based evaluation of mediastinal constraints for the development of a pulsatile total artificial heart. <i>BioMedical Engineering OnLine</i> , 2013, 12, 81.	2.7	14
13	Experimental validation of the linear drive train for a total artificial heart system. <i>Mechatronics</i> , 2013, 23, 222-226.	3.3	8
14	Numerical computation can save life: FEM simulations for the development of artificial hearts. , 2010, , .		0
15	Methods of design, simulation, and control for the development of new VAD/TAH concepts / Methoden zur Konstruktion, Simulation und Regelung für die Entwicklung von neuen VAD/TAH-Konzepten. <i>Biomedizinische Technik</i> , 2009, 54, 269-281.	0.8	8
16	New Linear Motor Concepts for Artificial Hearts. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 678-681.	2.1	29