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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reproduction of Continuous Flow Left Ventricular Assist Device Experimental Data by Means of a Hybrid Cardiovascular Model With Baroreflex Control. Artificial Organs, 2014, 38, 456-468.	1.9	30
2	A modular computational circulatory model applicable to VAD testing and training. Journal of Artificial Organs, 2012, 15, 32-43.	0.9	29
3	Control of a Pediatric Pulsatile Ventricular Assist Device: A Hybrid Cardiovascular Model Study. Artificial Organs, 2017, 41, 1099-1108.	1.9	14
4	Modeling and simulation of speed selection on left ventricular assist devices. Computers in Biology and Medicine, 2014, 51, 128-139.	7.0	13
5	Is the New Infant Jarvik 2015 Suitable for Patients<8 kg? In Vitro Study Using a Hybrid Simulator. Artificial Organs, 2019, 43, E1-E8.	1.9	10
6	Patterns of pleural pressure amplitude and respiratory rate changes during therapeutic thoracentesis. BMC Pulmonary Medicine, 2018, 18, 36.	2.0	9
7	The Need for Hybrid Modeling in Analysis of Cardiovascular and Respiratory Support. International Journal of Artificial Organs, 2016, 39, 265-271.	1.4	8
8	Hemodynamic characterization of the Realheart® total artificial heart with a hybrid cardiovascular simulator. Artificial Organs, 2022, 46, 1585-1596.	1.9	7
9	The use of a virtual patient to follow changes in arterial blood gases associated with therapeutic thoracentesis. International Journal of Artificial Organs, 2018, 41, 690-697.	1.4	6
10	Development of a computational simulator of the extracorporeal membrane oxygenation and its validation with in vitro measurements. Artificial Organs, 2021, 45, 399-410.	1.9	6
11	Continuous-flow pump model study: the effect on pump performance of pump characteristics and cardiovascular conditions. Journal of Artificial Organs, 2013, 16, 149-156.	0.9	5
12	A new infant hybrid respiratory simulator: preliminary evaluation based on clinical data. Medical and Biological Engineering and Computing, 2017, 55, 1937-1948.	2.8	5
13	Hemodynamic Modelling and Simulations for Mechanical Circulatory Support. , 2020, , 429-447.		5
14	A Compliant Model of the Ventricular Apex to Study Suction in Ventricular Assist Devices. ASAIO Journal, 2021, 67, 1125-1133.	1.6	4
15	Inhalation Profiles Through a Dry Powder Inhaler: Relation Between Inhalation Technique and Spirometric Measures. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, 34, 346-357.	1.4	3
16	Independent Lung Ventilation-Experimental Studies on a 3D Printed Respiratory Tract Model. Materials, 2021, 14, 5189.	2.9	3
17	Virtual and Artificial Cardiorespiratory Patients in Medicine and Biomedical Engineering. Membranes, 2022, 12, 548.	3.0	2
18	Modeling of Inhalation Profiles Through Dry Powder Inhaler in Healthy Adults and Asthma Patients As a Prerequisite for Further <i>In Vitro</i> and <i>In Silico</i> Studies. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2022, 35, 91-103.	1.4	1

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#	Article	IF	CITATIONS
19	Assessment of the VAD – Native ventricle pumping system by an equivalent pump: A computational model based procedure. Biocybernetics and Biomedical Engineering, 2021, 41, 1365-1365.	5.9	0

20 Pleural pressure pulse - a new phenomenon registered during pleural manometry. , 2018, , .