Sebastian Jansen

List of Publications by Year
in descending order

15	99	1684188 5	1474206 9
papers	citations	h-index	g-index

15	15	15	98
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introducing 3D-potting: a novel production process for artificial membrane lungs with superior blood flow design. Bio-Design and Manufacturing, 2022, 5, 141-152.	7.7	9
2	Controlling the flow balance: In vitro characterization of a pulsatile total artificial heart in preload and afterload sensitivity. Artificial Organs, 2022, 46, 71-82.	1.9	3
3	Threeâ€dimensional membranes for artificial lungs: Comparison of flowâ€induced hemolysis. Artificial Organs, 2022, 46, 412-426.	1.9	6
4	In Vitro and In Vivo Feasibility Study for a Portable VV-ECMO and ECCO2R System. Membranes, 2022, 12, 133.	3.0	1
5	TPMS-based membrane lung with locally-modified permeabilities for optimal flow distribution. Scientific Reports, 2022, 12, 7160.	3.3	5
6	Hemodynamics inside the neoâ€and native sinus after TAVR: Effects of implant depth and cardiac output on flow field and coronary flow. Artificial Organs, 2021, 45, 68-78.	1.9	17
7	Experimental investigation of rightâ€left flow balance concepts for a total artificial heart. Artificial Organs, 2021, 45, 364-372.	1.9	5
8	Downsizing of a Pulsatile Total Artificial Heartâ€"The Effect on Hemolysis. ASAIO Journal, 2021, Publish Ahead of Print, .	1.6	4
9	In-vitro performance of a single-chambered total artificial heart in a Fontan circulation. Journal of Artificial Organs, 2021, , 1.	0.9	0
10	In vitro thrombogenicity testing of pulsatile mechanical circulatory support systems: Design and proofâ€ofâ€concept. Artificial Organs, 2021, 45, 1513-1521.	1.9	5
11	Structure-dependent gas transfer performance of 3D-membranes for artificial membrane lungs. Journal of Membrane Science, 2021, 634, 119371.	8.2	16
12	Ghost Cell Suspensions as Blood Analogue Fluid for Macroscopic Particle Image Velocimetry Measurements. Artificial Organs, 2016, 40, 207-212.	1.9	7
13	Towards a Novel Spatially-Resolved Hemolysis Detection Method Using a Fluorescent Indicator and Loaded Ghost Cells: Proof-of-Principle. Cardiovascular Engineering and Technology, 2015, 6, 376-382.	1.6	1
14	Particle Image Velocimetry Used to Qualitatively Validate Computational Fluid Dynamic Simulations in an Oxygenator: A Proof of Concept. Cardiovascular Engineering and Technology, 2015, 6, 340-351.	1.6	15
15	A Simple Method for the Investigation of Cell Separation Effects of Blood With Physiological Hematocrit Values. Artificial Organs, 2015, 39, 432-440.	1.9	5