

# Sebastian Jansen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4219641/publications.pdf>

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15  
papers

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1684188

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1474206

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