

# Johanna Clauser

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

173  
citations

1163117

8  
h-index

1199594

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemolysis at low blood flow rates: in-vitro and in-silico evaluation of a centrifugal blood pump. <i>Journal of Translational Medicine</i> , 2021, 19, 2.	4.4	34
2	Evaluation of platelet adhesion and activation on polymers: Round-robin study to assess inter-center variability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 416-422.	5.0	23
3	PulmoStent: In Vitro to In Vivo Evaluation of a Tissue Engineered Endobronchial Stent. <i>Annals of Biomedical Engineering</i> , 2017, 45, 873-883.	2.5	13
4	A Novel Plasma-Based Fluid for Particle Image Velocimetry (PIV): In-Vitro Feasibility Study of Flow Diverter Effects in Aneurysm Model. <i>Annals of Biomedical Engineering</i> , 2018, 46, 841-848.	2.5	13
5	Micro-structuring of polycarbonate-urethane surfaces in order to reduce platelet activation and adhesion. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 504-518.	3.5	12
6	Gefitinib/gefitinib microspheres loaded polyurethane constructs as drug-eluting stent coating. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 103, 94-103.	4.0	11
7	Miniaturized Test Loop for the Assessment of Blood Damage by Continuous-Flow Left-Ventricular Assist Devices. <i>Annals of Biomedical Engineering</i> , 2020, 48, 768-779.	2.5	9
8	Selection and fabrication of a non-woven polycarbonate urethane cover for a tissue engineered airway stent. <i>International Journal of Pharmaceutics</i> , 2016, 514, 255-262.	5.2	8
9	Automation of hemocompatibility analysis using image segmentation and supervised classification. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 97, 104009.	8.1	8
10	Assessing the Thrombogenic Potential of Heart Valve Prostheses: An Approach for a Standardized In-Vitro Method. <i>Cardiovascular Engineering and Technology</i> , 2019, 10, 216-224.	1.6	7
11	In vitro study on the hemocompatibility of plasma electrolytic oxidation coatings on titanium substrates. <i>Artificial Organs</i> , 2020, 44, 419-427.	1.9	6
12	Real-Time Visualization of Platelet Interaction With Micro Structured Surfaces. <i>Artificial Organs</i> , 2016, 40, 201-207.	1.9	5
13	Hemocompatibility Evaluation of Biomaterials – The Crucial Impact of Analyzed Area. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 553-561.	5.2	5
14	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
15	Comparison of Covered Laser-cut and Braided Respiratory Stents: From Bench to Pre-Clinical Testing. <i>Annals of Biomedical Engineering</i> , 2019, 47, 1738-1747.	2.5	4
16	Comparison of Aspiration Catheters with Modified Standard Catheters for Treatment of Large Pulmonary Embolism Using an In-vitro Patho-Physiological Model. <i>CardioVascular and Interventional Radiology</i> , 2022, 45, 112-120.	2.0	3
17	Ghost Cells for Mechanical Circulatory Support In Vitro Testing: A Novel Large Volume Production. <i>Biotechnology Journal</i> , 2020, 15, 1900239.	3.5	2
18	Validation of a Miniaturized Test Loop for the Assessment of Human Blood Damage by Continuous-Flow Left-Ventricular Assist Devices. <i>Annals of Biomedical Engineering</i> , 2021, , 1.	2.5	2

#	ARTICLE	IF	CITATIONS
19	In-Vitro Visualization of Thrombus Growth in Artificial Lungs Using Real-Time X-Ray Imaging: A Feasibility Study. <i>Cardiovascular Engineering and Technology</i> , 2022, 13, 318-330.	1.6	2
20	Regulating blood cell adhesion via surface modification of polyurethanes. , 2016, , 287-318.		1
21	Preclinical testing of custom-made airway stents. , 2018, , .		0
22	The porcine abattoir blood model—Evaluation of platelet function for in vitro hemocompatibility investigations. <i>Artificial Organs</i> , 2022, 46, 922-931.	1.9	0