

# Claudia Heilmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5856405/publications.pdf>

Version: 2024-02-01

62  
papers

1,715  
citations

331670

21  
h-index

289244

40  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2277  
citing authors

#	ARTICLE	IF	CITATIONS
1	The COSTA Study: Sternal Closure in High-Risk Patients - A Prospective Randomized Multicenter Trial. Thoracic and Cardiovascular Surgeon, 2018, 66, 508-516.	1.0	2
2	Platelet Secretion Defects and Acquired von Willebrand Syndrome in Patients With Ventricular Assist Devices. Journal of the American Heart Association, 2018, 7, .	3.7	47
3	Twenty minutes of normothermic cardiac arrest in a pig model: the role of short-term hypothermia for neurological outcome. Perfusion (United Kingdom), 2018, 33, 270-277.	1.0	12
4	Moderate ischemic mitral regurgitation: coronary artery bypass grafting with versus without simultaneous treatment of the mitral valve. Journal of Cardiovascular Surgery, 2018, 59, 830-835.	0.6	3
5	Acquired Von Willebrand syndrome in patients on long-term support with HeartMate II. European Journal of Cardio-thoracic Surgery, 2017, 51, ezw348.	1.4	16
6	Proteomics highlights decrease of matricellular proteins in left ventricular assist device therapy. European Journal of Cardio-thoracic Surgery, 2017, 51, 1063-1071.	1.4	16
7	Body image after heart transplantation compared to mechanical aortic valve insertion. International Journal of Psychiatry in Clinical Practice, 2017, 21, 277-282.	2.4	8
8	Characterization of serum matrix metalloproteinase 2/9 levels in patients with ascending aortic aneurysms. Interactive Cardiovascular and Thoracic Surgery, 2017, 24, 20-26.	1.1	13
9	MMP-2 Isoforms in Aortic Tissue and Serum of Patients with Ascending Aortic Aneurysms and Aortic Root Aneurysms. PLoS ONE, 2016, 11, e0164308.	2.5	10
10	Photonic sensing of arterial distension. Biomedical Optics Express, 2016, 7, 3230.	2.9	4
11	Short-term intervention to reduce anxiety before coronary artery bypass surgery - a randomised controlled trial. Journal of Clinical Nursing, 2016, 25, 351-361.	3.0	18
12	Preserved brain morphology after controlled automated reperfusion of the whole body following normothermic circulatory arrest time of up to 20 minutes. European Journal of Cardio-thoracic Surgery, 2016, 50, 1025-1034.	1.4	35
13	Genetic variations of phenprocoumon metabolism in patients with ventricular assist devices. European Journal of Cardio-thoracic Surgery, 2016, 50, 275-280.	1.4	5
14	Mental health status of patients with mechanical aortic valves, with ventricular assist devices and after heart transplantation. Interactive Cardiovascular and Thoracic Surgery, 2016, 23, 321-325.	1.1	12
15	Improved Values for Acquired Von Willebrand Syndrome and Better Clinical Outcome in Patients with Heartmate III Compared to Heartmate II. Blood, 2016, 128, 2582-2582.	1.4	4
16	Neuron-specific enolase correlates to laboratory markers of haemolysis in patients on long-term circulatory support. European Journal of Cardio-thoracic Surgery, 2015, 48, 416-420.	1.4	19
17	Platelet dysfunction and acquired von Willebrand syndrome in patients with left ventricular assist devices. European Journal of Cardio-thoracic Surgery, 2015, 48, 421-427.	1.4	53
18	Systematic reviews and meta-analyses: black boxes of medical literature?. European Journal of Cardio-thoracic Surgery, 2015, 48, ezw324.	1.4	0

#	ARTICLE	IF	CITATIONS
19	Adrenergic Repression of the Epigenetic Reader MeCP2 Facilitates Cardiac Adaptation in Chronic Heart Failure. <i>Circulation Research</i> , 2015, 117, 622-633.	4.5	57
20	Implantable Impedance Plethysmography. <i>Sensors</i> , 2014, 14, 14858-14872.	3.8	9
21	Implantable pulse oximetry on subcutaneous tissue. , 2014, 2014, 2089-92.		10
22	Platelet Repellent Properties of Hydrogel Coatings on Polyurethane-Coated Glass Surfaces. <i>ASAIO Journal</i> , 2014, 60, 587-593.	1.6	18
23	Anxiety and fear in patients with short waiting times before coronary artery bypass surgery – a qualitative study. <i>Journal of Clinical Nursing</i> , 2014, 23, 1900-1907.	3.0	29
24	Magnetic sensor for arterial distension and blood pressure monitoring. <i>Biomedical Microdevices</i> , 2014, 16, 815-827.	2.8	5
25	Comparison of Von Willebrand factor (VWF) activity VWF:Ac with VWF ristocetin cofactor activity VWF:RCo. <i>Thrombosis Research</i> , 2014, 134, 246-250.	1.7	41
26	An implantable optical blood pressure sensor based on pulse transit time. <i>Biomedical Microdevices</i> , 2013, 15, 73-81.	2.8	36
27	Subcutaneous blood pressure monitoring with an implantable optical sensor. <i>Biomedical Microdevices</i> , 2013, 15, 811-820.	2.8	28
28	Mechanical heart valve recipients: anticoagulation in patients with genetic variations of phenprocoumon metabolism. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 309-315.	1.4	3
29	Controlled Reperfusion Versus Conventional Treatment of the Acutely Ischemic Limb. <i>Circulation: Cardiovascular Interventions</i> , 2013, 6, 417-427.	3.9	17
30	Standard Intra-Aortic Counterpulsation Balloon May Cause Temporary Occlusion of Mesenterial and Renal Arteries. <i>ASAIO Journal</i> , 2013, 59, 593-599.	1.6	8
31	Wound complications after median sternotomy: a single-centre study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 643-648.	1.1	72
32	Implantable acceleration plethysmography for blood pressure determination. , 2013, 2013, 4038-41.		6
33	Visualization of hypoxemic coronary perfusion despite full retrograde extracorporeal circulatory life support. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, e47-e47.	1.4	5
34	Established markers of renal and hepatic failure are not appropriate to predict mortality in the acute stage before extracorporeal life support implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 42, 135-141.	1.4	9
35	Determination of vessel wall dynamics by optical microsensors. , 2012, 2012, 2359-62.		4
36	Does listing for heart transplant for longer than 30 days before ventricular assist device implantation influence utilization of psychotherapeutic support and outcome?. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 41, 1371-1376.	1.4	7

#	ARTICLE	IF	CITATIONS
37	Early Histological Changes in the Porcine Aortic Media After Thoracic Stent-Graft Implantation. <i>Journal of Endovascular Therapy</i> , 2012, 19, 363-369.	1.5	7
38	Scaffold-Based Transplantation of Vascular Endothelial Growth Factor-Overexpressing Stem Cells Leads to Neovascularization in Ischemic Myocardium but Did Not Show a Functional Regenerative Effect. <i>ASAIO Journal</i> , 2012, 58, 268-274.	1.6	9
39	Arterial strain measurement by implantable capacitive sensor without vessel constriction. , 2012, 2012, 535-8.		8
40	Acquired von Willebrand syndrome in patients with extracorporeal life support (ECLS). <i>Intensive Care Medicine</i> , 2012, 38, 62-68.	8.2	195
41	Scaffold-Based Transplantation of Akt1-Overexpressing Skeletal Myoblasts: Functional Regeneration Is Associated with Angiogenesis and Reduced Infarction Size. <i>Tissue Engineering - Part A</i> , 2011, 17, 205-212.	3.1	11
42	Thoratec paracorporeal biventricular assist device therapy: the Freiburg experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 41, 207-12; discussion 212.	1.4	3
43	Supportive psychotherapy for patients with heart transplantation or ventricular assist devices. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, e44-e50.	1.4	22
44	Acquired Von Willebrand syndrome is an early-onset problem in ventricular assist device patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 1328-33; discussion 1233.	1.4	28
45	Model-Based Assessment of Tissue Perfusion and Temperature in Deep Hypothermic Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1577-1586.	4.2	13
46	Successful resuscitation after prolonged periods of cardiac arrest: A new field in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, 1325-1332.e2.	0.8	36
47	Lymph Angiogenesis After Lung Transplantation and Relation to Acute Organ Rejection in Humans. <i>Annals of Thoracic Surgery</i> , 2010, 90, 406-411.	1.3	53
48	Polyurethane Scaffolds Seeded With Genetically Engineered Skeletal Myoblasts: A Promising Tool to Regenerate Myocardial Function. <i>Artificial Organs</i> , 2010, 34, E46-54.	1.9	25
49	Acquired von Willebrand syndrome in patients with ventricular assist device or total artificial heart. <i>Thrombosis and Haemostasis</i> , 2010, 103, 962-967.	3.4	100
50	In vivo monitoring of blood oxygenation using an implantable MEMS-based sensor. , 2010, , .		5
51	Implantable sensor for blood pressure determination via pulse transit time. , 2010, , .		9
52	Haemolysis in patients with ventricular assist devices: major differences between systems. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 580-584.	1.4	87
53	Development of an Implantable Pulse Oximeter. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 581-588.	4.2	37
54	Non-surgical bleeding in patients with ventricular assist devices could be explained by acquired von Willebrand disease. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 679-684.	1.4	308

#	ARTICLE	IF	CITATIONS
55	Editorial comment Myocardial regeneration by stem cells: still a black box. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 34, 255-255.	1.4	3
56	Miniaturized pulse oximeter sensor for continuous vital parameter monitoring. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
57	Congenital left ventricular apical aneurysm or diverticulum mimicking infarct aneurysm and a right ventricular diverticulum in an adult. <i>Clinical Research in Cardiology</i> , 2006, 95, 373-378.	3.3	9
58	Improvement of contractility accompanies angiogenesis rather than arteriogenesis in chronic myocardial ischemia. <i>Vascular Pharmacology</i> , 2006, 44, 326-332.	2.1	7
59	Editorial comment Growth factor therapy grows, despite limited insight. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 30, 107-108.	1.4	0
60	Stem cell research and cell transplantation for myocardial regeneration~†. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 28, 318-324.	1.4	31
61	Comparison of protein with DNA therapy for chronic myocardial ischemia using fibroblast growth factor-2. <i>European Journal of Cardio-thoracic Surgery</i> , 2002, 22, 957-964.	1.4	28
62	Collateral growth: cells arrive at the construction site. <i>Vascular</i> , 2002, 10, 570-578.	0.5	39