

Dirk Westermann

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6004686/dirk-westermann-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101 papers	4,063 citations	31 h-index	62 g-index
120 ext. papers	5,575 ext. citations	7.8 avg, IF	5.26 L-index

#	Paper	IF	Citations
101	Cardiac inflammation contributes to changes in the extracellular matrix in patients with heart failure and normal ejection fraction. <i>Circulation: Heart Failure</i> , 2011 , 4, 44-52	7.6	371
100	Association of Cardiac Infection With SARS-CoV-2 in Confirmed COVID-19 Autopsy Cases. <i>JAMA Cardiology</i> , 2020 , 5, 1281-1285	16.2	371
99	Role of left ventricular stiffness in heart failure with normal ejection fraction. <i>Circulation</i> , 2008 , 117, 2051-60	16.7	327
98	Concomitant implantation of Impella on top of veno-arterial extracorporeal membrane oxygenation may improve survival of patients with cardiogenic shock. <i>European Journal of Heart Failure</i> , 2017 , 19, 404-412	12.3	265
97	Impella Support for Acute Myocardial Infarction Complicated by Cardiogenic Shock. <i>Circulation</i> , 2019 , 139, 1249-1258	16.7	213
96	Tumor necrosis factor-alpha antagonism protects from myocardial inflammation and fibrosis in experimental diabetic cardiomyopathy. <i>Basic Research in Cardiology</i> , 2007 , 102, 500-7	11.8	151
95	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. <i>New England Journal of Medicine</i> , 2019 , 380, 2529-2540	59.2	134
94	Diagnosis of Myocardial Infarction Using a High-Sensitivity Troponin I 1-Hour Algorithm. <i>JAMA Cardiology</i> , 2016 , 1, 397-404	16.2	125
93	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 1913-1924	27.4	117
92	Cardioprotective and anti-inflammatory effects of interleukin converting enzyme inhibition in experimental diabetic cardiomyopathy. <i>Diabetes</i> , 2007 , 56, 1834-41	0.9	114
91	Cardiac fibroblasts support cardiac inflammation in heart failure. <i>Basic Research in Cardiology</i> , 2014 , 109, 428	11.8	96
90	High-sensitivity assays for troponin in patients with cardiac disease. <i>Nature Reviews Cardiology</i> , 2017 , 14, 472-483	14.8	94
89	Renin inhibition improves cardiac function and remodeling after myocardial infarction independent of blood pressure. <i>Hypertension</i> , 2008 , 52, 1068-75	8.5	85
88	Gene deletion of the kinin receptor B1 attenuates cardiac inflammation and fibrosis during the development of experimental diabetic cardiomyopathy. <i>Diabetes</i> , 2009 , 58, 1373-81	0.9	84
87	Left Ventricular Unloading Is Associated With Lower Mortality in Patients With Cardiogenic Shock Treated With Venoarterial Extracorporeal Membrane Oxygenation: Results From an International, Multicenter Cohort Study. <i>Circulation</i> , 2020 , 142, 2095-2106	16.7	83
86	Prospective Validation of the 0/1-h Algorithm for Early Diagnosis of Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 620-632	15.1	82
85	Reduced degradation of the chemokine MCP-3 by matrix metalloproteinase-2 exacerbates myocardial inflammation in experimental viral cardiomyopathy. <i>Circulation</i> , 2011 , 124, 2082-93	16.7	67

84	Unloading of the Left Ventricle During Venoarterial Extracorporeal Membrane Oxygenation Therapy in Cardiogenic Shock. <i>JACC: Heart Failure</i> , 2018 , 6, 1035-1043	7.9	66
83	Discrimination of patients with type 2 myocardial infarction. <i>European Heart Journal</i> , 2017 , 38, 3514-3520	9.5	63
82	Comparative Analysis of Circulating Noncoding RNAs Versus Protein Biomarkers in the Detection of Myocardial Injury. <i>Circulation Research</i> , 2019 , 125, 328-340	15.7	59
81	Enhancement of the endothelial NO synthase attenuates experimental diastolic heart failure. <i>Basic Research in Cardiology</i> , 2009 , 104, 499-509	11.8	54
80	Application of the SCAI classification in a cohort of patients with cardiogenic shock. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 96, E213-E219	2.7	52
79	Venoarterial Extracorporeal Membrane Oxygenation for Cardiopulmonary Support. <i>Circulation</i> , 2018 , 138, 2298-2300	16.7	52
78	Selective PDE5A inhibition with sildenafil rescues left ventricular dysfunction, inflammatory immune response and cardiac remodeling in angiotensin II-induced heart failure in vivo. <i>Basic Research in Cardiology</i> , 2012 , 107, 308	11.8	47
77	Biomarkers for characterization of heart failure - Distinction of heart failure with preserved and reduced ejection fraction. <i>International Journal of Cardiology</i> , 2017 , 227, 272-277	3.2	42
76	Immediate Rule-Out of Acute Myocardial Infarction Using Electrocardiogram and Baseline High-Sensitivity Troponin I. <i>Clinical Chemistry</i> , 2017 , 63, 394-402	5.5	41
75	Association Between Use of Primary-Prevention Implantable Cardioverter-Defibrillators and Mortality in Patients With Heart Failure: A Prospective Propensity Score-Matched Analysis From the Swedish Heart Failure Registry. <i>Circulation</i> , 2019 , 140, 1530-1539	16.7	41
74	Immunomodulation and matrix metalloproteinases in viral myocarditis. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 468-73	5.8	38
73	Hemodynamic Effects of Mechanical Circulatory Support Devices in Ventricular Septal Defect. <i>Circulation: Heart Failure</i> , 2019 , 12, e005981	7.6	31
72	Cardiac fibroblasts aggravate viral myocarditis: cell specific coxsackievirus B3 replication. <i>Mediators of Inflammation</i> , 2014 , 2014, 519528	4.3	31
71	Risk factors for heart failure are associated with alterations of the LV end-diastolic pressure-volume relationship in non-heart failure individuals: data from a large-scale, population-based cohort. <i>European Heart Journal</i> , 2016 , 37, 1807-14	9.5	31
70	Adverse Outcome Prediction of Iron Deficiency in Patients with Acute Coronary Syndrome. <i>Biomolecules</i> , 2018 , 8,	5.9	28
69	Cardiac glial cells release neurotrophic S100B upon catheter-based treatment of atrial fibrillation. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	27
68	Prevention and treatment of pulmonary congestion in patients undergoing venoarterial extracorporeal membrane oxygenation for cardiogenic shock. <i>European Heart Journal</i> , 2020 , 41, 3753-3761	2.5	26
67	Temporal trends in incidence and outcome of acute coronary syndrome. <i>Clinical Research in Cardiology</i> , 2020 , 109, 1186-1192	6.1	24

66	Indication and short-term clinical outcomes of high-risk percutaneous coronary intervention with microaxial Impella [®] pump: results from the German Impella [®] registry. <i>Clinical Research in Cardiology</i> , 2018 , 107, 653-657	6.1	24
65	Bridging INTERMACS 1 patients from VA-ECMO to LVAD via Impella 5.0: De-escalate and ambulate. <i>Journal of Critical Care</i> , 2020 , 57, 259-263	4	23
64	Diagnostic Evaluation of a High-Sensitivity Troponin I Point-of-Care Assay. <i>Clinical Chemistry</i> , 2019 , 65, 1592-1601	5.5	23
63	Risk Factors of Coronary Artery Disease in Secondary Prevention--Results from the AtheroGene--Study. <i>PLoS ONE</i> , 2015 , 10, e0131434	3.7	23
62	New perspective on the tissue kallikrein-kinin system in myocardial infarction: role of angiogenesis and cardiac regeneration. <i>International Immunopharmacology</i> , 2008 , 8, 148-54	5.8	22
61	Challenging the 99th percentile: A lower troponin cutoff leads to low mortality of chest pain patients. <i>International Journal of Cardiology</i> , 2017 , 232, 289-293	3.2	21
60	Doxorubicin cardiomyopathy-induced inflammation and apoptosis are attenuated by gene deletion of the kinin B1 receptor. <i>Biological Chemistry</i> , 2008 , 389, 713-8	4.5	19
59	Neuron-specific-enolase as a predictor of the neurologic outcome after cardiopulmonary resuscitation in patients on ECMO. <i>Resuscitation</i> , 2019 , 136, 14-20	4	17
58	Early diagnosis of acute myocardial infarction using high-sensitivity troponin I. <i>PLoS ONE</i> , 2017 , 12, e0174288	3.7	16
57	High-Sensitivity Cardiac Troponin I Levels and Prediction of Heart Failure: Results From the BiomarCaRE Consortium. <i>JACC: Heart Failure</i> , 2020 , 8, 401-411	7.9	15
56	Cardiac Function Remains Impaired Despite Reversible Cardiac Remodeling after Acute Experimental Viral Myocarditis. <i>Journal of Immunology Research</i> , 2017 , 2017, 6590609	4.5	15
55	Renin inhibitors, clinical experience. <i>Journal of Molecular Medicine</i> , 2008 , 86, 691-5	5.5	15
54	Precursor proadrenomedullin influences cardiomyocyte survival and local inflammation related to myocardial infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8727-E8736	11.5	14
53	Patient Characteristics, Treatment and Outcome in Non-Ischemic vs. Ischemic Cardiogenic Shock. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	13
52	Predictors of leptin concentration and association with cardiovascular risk in patients with coronary artery disease: results from the AtheroGene study. <i>Biomarkers</i> , 2017 , 22, 210-218	2.6	12
51	Impella 5.0 therapy as a bridge-to-decision option for patients on extracorporeal life support with unclear neurological outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 1031-1036	3	12
50	Risk prediction of in-hospital mortality in patients with venoarterial extracorporeal membrane oxygenation for cardiopulmonary support: The ECMO-ACCEPTS score. <i>Journal of Critical Care</i> , 2020 , 56, 100-105	4	12
49	Influence of age and shock severity on short-term survival in patients with cardiogenic shock. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 , 10, 604-612	4.3	12

48	Macrophage Migration Inhibitory Factor (MIF) Expression Increases during Myocardial Infarction and Supports Pro-Inflammatory Signaling in Cardiac Fibroblasts. <i>Biomolecules</i> , 2019 , 9,	5.9	10
47	cAMP Imaging at Ryanodine Receptors Reveals β -Adrenoceptor Driven Arrhythmias. <i>Circulation Research</i> , 2021 , 129, 81-94	15.7	10
46	Predictive value of soluble urokinase-type plasminogen activator receptor for mortality in patients with suspected myocardial infarction. <i>Clinical Research in Cardiology</i> , 2019 , 108, 1386-1393	6.1	9
45	Activity of superoxide dismutase copper/zinc type and prognosis in a cohort of patients with coronary artery disease. <i>Biomarkers in Medicine</i> , 2015 , 9, 597-604	2.3	9
44	The utility of pregnancy-associated plasma protein A for determination of prognosis in a cohort of patients with coronary artery disease. <i>Biomarkers in Medicine</i> , 2015 , 9, 731-41	2.3	9
43	SYNTAX score-0 patients: risk stratification in nonobstructive coronary artery disease. <i>Clinical Research in Cardiology</i> , 2016 , 105, 901-911	6.1	9
42	Mechanical circulatory support devices in cardiogenic shock and acute heart failure: current evidence. <i>Current Opinion in Critical Care</i> , 2019 , 25, 391-396	3.5	9
41	Evaluation of a new ultra-sensitivity troponin I assay in patients with suspected myocardial infarction. <i>International Journal of Cardiology</i> , 2019 , 283, 35-40	3.2	9
40	Temporal trends in incidence, causes, use of mechanical circulatory support and mortality in cardiogenic shock. <i>ESC Heart Failure</i> , 2021 , 8, 1295-1303	3.7	9
39	Procedural volume and outcomes in patients undergoing VA-ECMO support. <i>Critical Care</i> , 2020 , 24, 291	10.8	8
38	Performance of the ESC 0/1-h and 0/3-h Algorithm for the Rapid Identification of Myocardial Infarction Without ST-Elevation in Patients With Diabetes. <i>Diabetes Care</i> , 2020 , 43, 460-467	14.6	8
37	Lower socioeconomic status predicts higher mortality and morbidity in patients with heart failure. <i>Heart</i> , 2021 , 107, 229-236	5.1	8
36	Relative Telomere Length and Cardiovascular Risk Factors. <i>Biomolecules</i> , 2019 , 9,	5.9	7
35	Rationale and design of the long-Term risk, clinical management, and healthcare Resource utilization of stable coronary artery disease in post-myocardial infarction patients (TIGRIS) study. <i>Clinical Cardiology</i> , 2017 , 40, 1197-1204	3.3	7
34	Effects of COVID-19 on in-hospital cardiac arrest: incidence, causes, and outcome - a retrospective cohort study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021 , 29, 30	3.6	7
33	Prognostic Value of a Novel and Established High-Sensitivity Troponin I Assay in Patients Presenting with Suspected Myocardial Infarction. <i>Biomolecules</i> , 2019 , 9,	5.9	6
32	Predicting risk of cardiovascular events 1 to 3 years post-myocardial infarction using a global registry. <i>Clinical Cardiology</i> , 2020 , 43, 24-32	3.3	6
31	Epidemiology of intensive care unit cardiac arrest: Characteristics, comorbidities, and post-cardiac arrest organ failure - A prospective observational study. <i>Resuscitation</i> , 2020 , 156, 92-98	4	6

30	Diagnostic Value of Soluble Urokinase-Type Plasminogen Activator Receptor in Addition to High-Sensitivity Troponin I in Early Diagnosis of Acute Myocardial Infarction. <i>Biomolecules</i> , 2019 , 9,	5.9	5
29	Distinct Hemodynamic Changes After Interventional Mitral Valve Edge-to-Edge Repair in Different Phenotypes of Heart Failure: An Integrated Hemodynamic Analysis. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	5
28	Performance of the European Society of Cardiology 0/1-Hour, 0/2-Hour, and 0/3-Hour Algorithms for Rapid Triage of Acute Myocardial Infarction : An International Collaborative Meta-analysis. <i>Annals of Internal Medicine</i> , 2021 ,	8	5
27	Switching to Impella 5.0 decreases need for transfusion in patients undergoing temporary mechanical circulatory support. <i>Journal of Critical Care</i> , 2020 , 57, 253-258	4	5
26	Two-year outcomes among stable high-risk patients following acute MI. Insights from a global registry in 25 countries. <i>International Journal of Cardiology</i> , 2020 , 311, 7-14	3.2	4
25	Cardiac SARS-CoV-2 infection is associated with pro-inflammatory transcriptomic alterations within the heart. <i>Cardiovascular Research</i> , 2021 ,	9.9	4
24	Association of high-sensitivity troponin T and I with the severity of stable coronary artery disease in patients with chronic kidney disease. <i>Atherosclerosis</i> , 2020 , 313, 81-87	3.1	4
23	Eligibility for mechanical circulatory support devices based on current and past randomised cardiogenic shock trials. <i>European Journal of Heart Failure</i> , 2021 , 23, 1942-1951	12.3	4
22	TAVR for low-flow, low-gradient aortic stenosis: Prognostic impact of aortic valve calcification. <i>American Heart Journal</i> , 2020 , 225, 138-148	4.9	3
21	Sex differences in patients with cardiogenic shock. <i>ESC Heart Failure</i> , 2021 , 8, 1775-1783	3.7	3
20	Response by Schrage and Westermann to Letters Regarding Article, "Left Ventricular Unloading Is Associated With Lower Mortality in Patients With Cardiogenic Shock Treated With Venoarterial Extracorporeal Membrane Oxygenation: Results From an International, Multicenter Cohort Study". <i>Circulation</i> , 2021 , 143, e1024	16.7	3
19	Health-related quality of life 1-3 years post-myocardial infarction: its impact on prognosis. <i>Open Heart</i> , 2021 , 8,	3	3
18	Reply: Does VA-ECMO Plus Impella Work in Refractory Cardiogenic Shock?. <i>JACC: Heart Failure</i> , 2019 , 7, 364-365	7.9	2
17	Diagnosing myocardial infarction: a highly sensitive issue. <i>Lancet, The</i> , 2018 , 392, 893-894	4.0	2
16	Prevention of coronary obstruction in patients at risk undergoing transcatheter aortic valve implantation: the Hamburg BASILICA experience. <i>Clinical Research in Cardiology</i> , 2021 , 110, 1900-1911	6.1	2
15	Cardiovascular Mortality in Chest Pain Patients: Comparison of Natriuretic Peptides With Novel Biomarkers of Cardiovascular Stress. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 1470-1477	3.8	2
14	Association Between the Acidemia, Lactic Acidosis, and Shock Severity With Outcomes in Patients With Cardiogenic Shock.. <i>Journal of the American Heart Association</i> , 2022 , 11, e024932	6	2
13	Diabetes association with self-reported health, resource utilization, and prognosis post-myocardial infarction. <i>Clinical Cardiology</i> , 2020 , 43, 1352-1361	3.3	1

12	Application of a machine learning-driven, multibiomarker panel for prediction of incident cardiovascular events in patients with suspected myocardial infarction. <i>Biomarkers in Medicine</i> , 2020 , 14, 775-784	2.3	1
11	Cardiac SARS-CoV-2 infection is associated with distinct transcriptomic changes within the heart		1
10	Anticoagulation for Percutaneous Ventricular Assist Device-Supported Cardiogenic Shock: JACC Review Topic of the Week.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 1949-1962	15.1	1
9	Seasonal trends of incidence and outcomes of cardiogenic shock : findings from a large, nationwide inpatients sample with 441,696 cases. <i>Critical Care</i> , 2021 , 25, 325	10.8	0
8	Percutaneous Transvalvular Microaxial Flow Pump Support in Cardiology.. <i>Circulation</i> , 2022 , 145, 1254-1264	18.4	0
7	Establishing a robotic-assisted PCI program: experiences at a large tertiary referral center.. <i>Heart and Vessels</i> , 2022 , 1	2.1	0
6	Detailed interpretation of ECMO-ACCEPTS score. <i>Journal of Critical Care</i> , 2020 , 60, 327	4	
5	De-escalation of support with veno-arterial extracorporeal membrane oxygenation and Impella for cardiogenic shock: reply. <i>European Journal of Heart Failure</i> , 2018 , 20, 622-623	12.3	
4	Radiation exposure during the implantation of bioabsorbable vascular scaffolds versus drug-eluting stents in non-complex coronary lesions: a matched-cohort study. <i>Minerva Cardiology and Angiology</i> , 2017 , 65, 1-7	2.4	
3	The matricellular proteins thrombospondin-2, osteonectin and osteoglycin modulate cardiac inflammation, injury and function during viral myocarditis.. <i>FASEB Journal</i> , 2012 , 26, 1060.6	0.9	
2	Osteoglycin (OGN) modulates inflammation during viral myocarditis via an interaction with Toll Like Receptor 4.. <i>FASEB Journal</i> , 2013 , 27, 829.1	0.9	
1	Reply: Hospital Charges Associated With Inpatient Troponin Testing. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2941	15.1	