

Till Keller

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

4,539
citations

201674

27
h-index

102487

66
g-index

102
all docs

102
docs citations

102
times ranked

6191
citing authors

#	ARTICLE	IF	CITATIONS
1	CILP1 as a biomarker for right ventricular dysfunction in patients with ischemic cardiomyopathy. <i>Pulmonary Circulation</i> , 2022, 12, e12062.	1.7	3
2	CILP1 as a biomarker for right ventricular maladaptation in pulmonary hypertension. <i>European Respiratory Journal</i> , 2021, 57, 1901192.	6.7	15
3	Definition of acute kidney injury impacts prevalence and prognosis in ACS patients undergoing coronary angiography. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 183.	1.7	1
4	A conceptual framework for establishing trust in real world intelligent systems. <i>Cognitive Systems Research</i> , 2021, 68, 143-155.	2.7	2
5	Osteopontin and galectin-3 as biomarkers of maladaptive right ventricular remodeling in pulmonary hypertension. <i>Biomarkers in Medicine</i> , 2021, 15, 1021-1034.	1.4	6
6	The association of anaemia and high-sensitivity cardiac troponin and its effect on diagnosing myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, , .	1.0	7
7	An Experiment Environment for Definition, Training and Evaluation of Electrocardiogram-Based AI Models. <i>Lecture Notes in Computer Science</i> , 2021, , 384-388.	1.3	0
8	Detecting myocardial scar using electrocardiogram data and deep neural networks. <i>Biological Chemistry</i> , 2021, 402, 911-923.	2.5	16
9	Cardiac biomarkers as indicators of right ventricular dysfunction and recovery in chronic thromboembolic pulmonary hypertension patients after balloon pulmonary angioplasty therapy – a cardiac magnetic resonance imaging cohort study. <i>Pulmonary Circulation</i> , 2021, 11, 1-10.	1.7	0
10	Circulating Monocyte Subsets Are Associated With Extent of Myocardial Injury but Not With Type of Myocardial Infarction. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 741890.	2.4	3
11	Application and Validation of the Tricuspid Annular Plane Systolic Excursion/Systolic Pulmonary Artery Pressure Ratio in Patients with Ischemic and Non-Ischemic Cardiomyopathy. <i>Diagnostics</i> , 2021, 11, 2188.	2.6	4
12	An Ensemble Learning Approach to Detect Cardiac Abnormalities in ECG Data Irrespective of Lead Availability. , 2021, , .		0
13	A Data Pipeline for Extraction and Processing of Electrocardiogram Recordings. , 2021, , .		0
14	Prognostic performance of the ESC SCORE and its German recalibrated versions in primary and secondary prevention. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 2166-2169.	1.8	5
15	Fractional flow reserve and frequency of PCI in patients with coronary artery disease. <i>Herz</i> , 2020, 45, 752-758.	1.1	0
16	High-Content Immunophenotyping and Hierarchical Clustering Reveal Sources of Heterogeneity and New Surface Markers of Human Blood Monocyte Subsets. <i>Thrombosis and Haemostasis</i> , 2020, 120, 141-155.	3.4	9
17	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.	8.6	18
18	The adipokine fatty-acid binding protein 4 and cardiac remodeling. <i>Cardiovascular Diabetology</i> , 2020, 19, 117.	6.8	11

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19	Pregnancy-associated plasma protein A “ a new indicator of pulmonary vascular remodeling in chronic thromboembolic pulmonary hypertension?. <i>Respiratory Research</i> , 2020, 21, 204.	3.6	5
20	Galectin-3, GDF-15, and sST2 for the assessment of disease severity and therapy response in patients suffering from inoperable chronic thromboembolic pulmonary hypertension. <i>Biomarkers</i> , 2020, 25, 578-586.	1.9	19
21	Mid-regional pro-atrial natriuretic peptide and copeptin as indicators of disease severity and therapy response in CTEPH. <i>ERJ Open Research</i> , 2020, 6, 00356-2020.	2.6	6
22	Native T1 and T2 provide distinctive signatures in hypertrophic cardiac conditions “ Comparison of uremic, hypertensive and hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2020, 306, 102-108.	1.7	39
23	Myeloid-related protein 8/14 and high-sensitivity cardiac troponin I to differentiate type 2 myocardial infarction. <i>International Journal of Cardiology</i> , 2020, 304, 144-147.	1.7	6
24	SPARCL1 as a biomarker of maladaptive right ventricular remodelling in pulmonary hypertension. <i>Biomarkers</i> , 2020, 25, 290-295.	1.9	11
25	Identifying Heart Failure in ECG Data With Artificial Intelligence“ A Meta-Analysis. <i>Frontiers in Digital Health</i> , 2020, 2, 584555.	2.8	12
26	Impact of Vascular Function on Maximum Power Output in Elite Handball Athletes. <i>Research Quarterly for Exercise and Sport</i> , 2019, 90, 600-608.	1.4	7
27	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. <i>New England Journal of Medicine</i> , 2019, 380, 2529-2540.	27.0	230
28	Non-Invasive Approach for Evaluation of Pulmonary Hypertension Using Extracellular Vesicle-Associated Small Non-Coding RNA. <i>Biomolecules</i> , 2019, 9, 666.	4.0	30
29	Prognostic Value of a Novel and Established High-Sensitivity Troponin I Assay in Patients Presenting with Suspected Myocardial Infarction. <i>Biomolecules</i> , 2019, 9, 469.	4.0	12
30	Predictive value of preprocedural procalcitonin for short- and long-term mortality after transfemoral transcatheter aortic valve implantation. <i>Heart and Vessels</i> , 2019, 34, 1993-2001.	1.2	6
31	GDF-15 as a risk stratification biomarker for cardiovascular disease. <i>International Journal of Cardiology</i> , 2019, 292, 246-247.	1.7	10
32	Identification of acute myocardial infarction in elderly patients using optimized highly sensitive troponin I thresholds. <i>Biomarkers</i> , 2019, 24, 549-555.	1.9	1
33	Development of renal function during staged balloon pulmonary angioplasty for inoperable chronic thromboembolic pulmonary hypertension. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2019, 79, 268-275.	1.2	16
34	Bone marrow and plasma FGF“23 in heart failure patients: novel insights into the heart“bone axis. <i>ESC Heart Failure</i> , 2019, 6, 536-544.	3.1	16
35	Anti-citrullinated protein antibodies are not associated with extent of disease or prognosis in patients with coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, e159-e161.	2.3	0
36	Identification and regulation of the long non-coding RNA Heat2 in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 126, 13-22.	1.9	27

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37	High-sensitivity cardiac troponin assays: finally ready for prime time?. <i>Nature Reviews Cardiology</i> , 2019, 16, 135-136.	13.7	4
38	Right bundle branch block in patients with suspected myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 161-166.	1.0	20
39	Specific biomarkers of myocardial inflammation and remodeling processes as predictors of mortality in high-risk patients undergoing percutaneous mitral valve repair (MitraClip). <i>Clinical Cardiology</i> , 2018, 41, 481-487.	1.8	11
40	Prognostic Value of High-Sensitivity Versus Conventional Cardiac Troponin T Assays Among Patients With Type 2 Diabetes Mellitus Undergoing Maintenance Hemodialysis. <i>American Journal of Kidney Diseases</i> , 2018, 71, 822-830.	1.9	17
41	N-terminal pro-B-type natriuretic peptide for monitoring after balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 639-646.	0.6	36
42	Relations of Sex to Diagnosis and Outcomes in Acute Coronary Syndrome. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	28
43	Risk Prediction in Acute Coronary Syndrome using the US vs non-US 99th Percentile Threshold of the 5th Generation Troponin T Assay. <i>Journal of Applied Laboratory Medicine</i> , The, 2018, 2, 807-809.	1.3	0
44	Cardiac Troponins for the Diagnosis of Acute Myocardial Infarction in Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2018, 7, e008032.	3.7	45
45	Dynamics of high-sensitivity cardiac troponin T during therapy with balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension. <i>PLoS ONE</i> , 2018, 13, e0204683.	2.5	15
46	Evaluation of cystatin C and neutrophil gelatinase-associated lipocalin as predictors of mortality in patients undergoing percutaneous mitral valve repair (MitraClip). <i>Clinical Cardiology</i> , 2018, 41, 1474-1479.	1.8	4
47	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.	7.1	25
48	Adjusted Troponin I for Improved Evaluation of Patients with Chest Pain. <i>Scientific Reports</i> , 2018, 8, 8087.	3.3	6
49	Galectin-3 and ST2 as predictors of therapeutic success in high-risk patients undergoing percutaneous mitral valve repair (MitraClip). <i>Clinical Cardiology</i> , 2018, 41, 1164-1169.	1.8	6
50	Gender-specific diagnostic performance of a new high-sensitivity cardiac troponin I assay for detection of acute myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2017, 6, 60-68.	1.0	11
51	Transcoronary Concentration Gradient of microRNA-133a and Outcome in Patients With Coronary Artery Disease. <i>American Journal of Cardiology</i> , 2017, 120, 15-24.	1.6	49
52	Immediate Rule-Out of Acute Myocardial Infarction Using Electrocardiogram and Baseline High-Sensitivity Troponin I. <i>Clinical Chemistry</i> , 2017, 63, 394-402.	3.2	57
53	Urinary neutrophil gelatinase-associated lipocalin and cystatin C compared to the estimated glomerular filtration rate to predict risk in patients with suspected acute myocardial infarction. <i>International Journal of Cardiology</i> , 2017, 245, 6-12.	1.7	1
54	Improved risk stratification in prevention by use of a panel of selected circulating microRNAs. <i>Scientific Reports</i> , 2017, 7, 4511.	3.3	22

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55	SP308 INTRA-INDIVIDUAL CHANGES IN HIGH-SENSITIVE TROPONIN I AND T LEVELS IMPROVE DIAGNOSTIC PERFORMANCE FOR ACUTE MYOCARDIAL INFARCTION IN PATIENTS WITH CHRONIC KIDNEY DISEASE. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, iii211-iii211.	0.7	0
56	Genome-Wide Association Analysis for Severity of Coronary Artery Disease Using the Gensini Scoring System. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 57.	2.4	14
57	GDF-15 predicts cardiovascular events in acute chest pain patients. <i>PLoS ONE</i> , 2017, 12, e0182314.	2.5	27
58	Strategies to overcome misdiagnosis of type 1 myocardial infarction using high sensitive cardiac troponin assays. <i>Diagnosis</i> , 2016, 3, 189-198.	1.9	2
59	Influence of hypothermia and subsequent rewarming upon leukocyte-endothelial interactions and expression of Junctional-Adhesion-Molecules A and B. <i>Scientific Reports</i> , 2016, 6, 21996.	3.3	5
60	Analyzing the Release of Copeptin from the Heart in Acute Myocardial Infarction Using a Transcoronary Gradient Model. <i>Scientific Reports</i> , 2016, 6, 20812.	3.3	24
61	Low Homocysteine Levels in the Prognosis of Patients With Acute Chest Pain. <i>Journal of the American Heart Association</i> , 2016, 5, e002565.	3.7	28
62	Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. <i>Nature Medicine</i> , 2016, 22, 1140-1150.	30.7	222
63	Transcoronary gradients of vascular miRNAs and coronary atherosclerotic plaque characteristics. <i>European Heart Journal</i> , 2016, 37, 1738-1749.	2.2	65
64	High-sensitivity troponin and novel biomarkers for the early diagnosis of non-ST-segment elevation myocardial infarction in patients with atrial fibrillation. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 419-427.	1.0	14
65	Troponin I Assay for Identification of a Significant Coronary Stenosis in Patients with Suspected Acute Myocardial Infarction and Wide QRS Complex. <i>PLoS ONE</i> , 2016, 11, e0154724.	2.5	1
66	Abstract 19: Role of Adenosine-to-Inosine RNA Editing of <i>Alu</i> Elements in Human Vascular Inflammatory Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	2.4	0
67	Amyloid-Beta (1-40) and the Risk of Death From Cardiovascular Causes in Patients With Coronary Heart Disease. <i>Journal of the American College of Cardiology</i> , 2015, 65, 904-916.	2.8	91
68	Estimation of Values below the Limit of Detection of a Contemporary Sensitive Troponin I Assay Improves Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2015, 61, 1197-1206.	3.2	9
69	Identification of acute myocardial infarction in patients with atrial fibrillation and chest pain with a contemporary sensitive troponin I assay. <i>BMC Medicine</i> , 2015, 13, 169.	5.5	18
70	Diagnostic accuracy of combined cardiac troponin and copeptin assessment for early rule-out of myocardial infarction: a systematic review and meta-analysis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2014, 3, 18-27.	1.0	98
71	Release kinetics of early ischaemic biomarkers in a clinical model of acute myocardial infarction. <i>Heart</i> , 2014, 100, 652-657.	2.9	29
72	Association of high-sensitivity assayed troponin I with cardiovascular phenotypes in the general population: the population-based Gutenberg health study. <i>Clinical Research in Cardiology</i> , 2014, 103, 211-222.	3.3	35

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73	From heart to toe: Heart's contribution on peripheral microRNA levels. International Journal of Cardiology, 2014, 172, 616-617.	1.7	8
74	Assessment of microRNAs in patients with unstable angina pectoris. European Heart Journal, 2014, 35, 2106-2114.	2.2	124
75	Angiographic score assessment improves cardiovascular risk prediction: the clinical value of SYNTAX and Gensini application. Clinical Research in Cardiology, 2013, 102, 495-503.	3.3	138
76	Association of MR-proadrenomedullin with cardiovascular risk factors and subclinical cardiovascular disease. Atherosclerosis, 2013, 228, 451-459.	0.8	42
77	Comparison of a 3-hour versus a 6-hour sampling-protocol using high-sensitivity cardiac troponin T for rule-out and rule-in of non-STEMI in an unselected emergency department population. International Journal of Cardiology, 2013, 167, 1134-1140.	1.7	51
78	Defining a reference population to determine the 99th percentile of a contemporary sensitive cardiac troponin I assay. International Journal of Cardiology, 2013, 167, 1423-1429.	1.7	33
79	MR-proANP and MR-proADM for risk stratification of patients with acute chest pain. Heart, 2013, 99, 388-395.	2.9	40
80	Midregional pro-atrial natriuretic peptide in the general population/Insights from the Gutenberg Health Study. Clinical Chemistry and Laboratory Medicine, 2013, 51, 1125-33.	2.3	16
81	Local expression of myocardial galectin-3 does not correlate with its serum levels in patients undergoing heart transplantation. Annals of Transplantation, 2013, 18, 643-650.	0.9	20
82	Diagnostic and Prognostic Performance of Myeloperoxidase Plasma Levels Compared With Sensitive Troponins in Patients Admitted With Acute Onset Chest Pain. Circulation: Cardiovascular Genetics, 2012, 5, 561-568.	5.1	20
83	Cardiac troponin determination in the diagnosis of acute myocardial infarction. Expert Review of Molecular Diagnostics, 2012, 12, 671-673.	3.1	0
84	Absolute and Relative Kinetic Changes of High-Sensitivity Cardiac Troponin T in Acute Coronary Syndrome and in Patients with Increased Troponin in the Absence of Acute Coronary Syndrome. Clinical Chemistry, 2012, 58, 209-218.	3.2	215
85	Midregional Proadrenomedullin for Prediction of Cardiovascular Events in Coronary Artery Disease: Results from the AtheroGene Study. Clinical Chemistry, 2012, 58, 226-236.	3.2	43
86	Prognostic Information of Glycogen Phosphorylase Isoenzyme BB in Patients With Suspected Acute Coronary Syndrome. American Journal of Cardiology, 2012, 110, 1225-1230.	1.6	15
87	A Genome-Wide Association Study Identifies <i>LIPA</i> as a Susceptibility Gene for Coronary Artery Disease. Circulation: Cardiovascular Genetics, 2011, 4, 403-412.	5.1	130
88	Serial Changes in Highly Sensitive Troponin I Assay and Early Diagnosis of Myocardial Infarction. JAMA - Journal of the American Medical Association, 2011, 306, 2684.	7.4	427
89	Making it More Sensitive. Circulation, 2011, 123, 1361-1363.	1.6	24
90	Novel biomarkers in evaluation of acute coronary syndrome. , 2011, , 131-138.		0

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91	Distribution and Categorization of Left Ventricular Measurements in the General Population. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 604-613.	2.6	53
92	Copeptin Improves Early Diagnosis of Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2096-2106.	2.8	285
93	Sensitive Troponin I Assay in Early Diagnosis of Acute Myocardial Infarction. <i>New England Journal of Medicine</i> , 2009, 361, 868-877.	27.0	1,021
94	Cystatin C and cardiovascular mortality in patients with coronary artery disease and normal or mildly reduced kidney function: results from the AtheroGene study. <i>European Heart Journal</i> , 2009, 30, 314-320.	2.2	96
95	Association of adiponectin with adverse outcome in coronary artery disease patients: results from the AtheroGene study. <i>European Heart Journal</i> , 2008, 29, 649-657.	2.2	117