

Axel Bauer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

4,484
citations

33
h-index

63
g-index

202
ext. papers

5,566
ext. citations

5.9
avg, IF

5.47
L-index

#	Paper	IF	Citations
167	Deceleration capacity of heart rate as a predictor of mortality after myocardial infarction: cohort study. <i>Lancet, The</i> , 2006 , 367, 1674-81	40	380
166	Decline of acute coronary syndrome admissions in Austria since the outbreak of COVID-19: the pandemic response causes cardiac collateral damage. <i>European Heart Journal</i> , 2020 , 41, 1852-1853	9.5	320
165	Heart rate turbulence: standards of measurement, physiological interpretation, and clinical use: International Society for Holter and Noninvasive Electrophysiology Consensus. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1353-65	15.1	315
164	Ambulatory blood pressure changes after renal sympathetic denervation in patients with resistant hypertension. <i>Circulation</i> , 2013 , 128, 132-40	16.7	199
163	Risk stratification after acute myocardial infarction by heart rate turbulence. <i>Circulation</i> , 2003 , 108, 1221-6.7	6.7	192
162	Renal sympathetic denervation for treatment of electrical storm: first-in-man experience. <i>Clinical Research in Cardiology</i> , 2012 , 101, 63-7	6.1	186
161	Prediction of sudden cardiac death after acute myocardial infarction: role of Holter monitoring in the modern treatment era. <i>European Heart Journal</i> , 2005 , 26, 762-9	9.5	183
160	Phase-rectified signal averaging detects quasi-periodicities in non-stationary data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 364, 423-434	3.3	140
159	Improved Stratification of Autonomic Regulation for risk prediction in post-infarction patients with preserved left ventricular function (ISAR-Risk). <i>European Heart Journal</i> , 2009 , 30, 576-83	9.5	137
158	Prognostic value of depressed cardiac index after STEMI: a phase-contrast magnetic resonance study. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 , 10,	4.3	78
157	Phase-rectified signal averaging for the detection of quasi-periodicities and the prediction of cardiovascular risk. <i>Chaos</i> , 2007 , 17, 015112	3.3	72
156	Effects of circumferential or segmental pulmonary vein ablation for paroxysmal atrial fibrillation on cardiac autonomic function. <i>Heart Rhythm</i> , 2006 , 3, 1428-35	6.7	67
155	Sudden cardiac death after myocardial infarction in patients with type 2 diabetes. <i>Heart Rhythm</i> , 2010 , 7, 1396-403	6.7	66
154	Impaired cardiac baroreflex sensitivity predicts response to renal sympathetic denervation in patients with resistant hypertension. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 2124-30	15.1	62
153	Reduced prognostic power of ventricular late potentials in post-infarction patients of the reperfusion era. <i>European Heart Journal</i> , 2005 , 26, 755-61	9.5	61
152	Insertable cardiac monitors after cryptogenic stroke--a risk factor based approach to enhance the detection rate for paroxysmal atrial fibrillation. <i>European Journal of Neurology</i> , 2016 , 23, 375-81	6	60
151	Sympathetic activity-associated periodic repolarization dynamics predict mortality following myocardial infarction. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1770-80	15.9	54

150	Platelets induce apoptosis via membrane-bound FasL. <i>Blood</i> , 2015 , 126, 1483-93	2.2	50
149	Respiratory rate predicts outcome after acute myocardial infarction: a prospective cohort study. <i>European Heart Journal</i> , 2013 , 34, 1644-50	9.5	50
148	Prediction of sudden and non-sudden cardiac death in post-infarction patients with reduced left ventricular ejection fraction by periodic repolarization dynamics: MADIT-II substudy. <i>European Heart Journal</i> , 2017 , 38, 2110-2118	9.5	49
147	Frequency of sudden cardiac death among acute myocardial infarction survivors with optimized medical and revascularization therapy. <i>American Journal of Cardiology</i> , 2006 , 97, 480-4	3	49
146	Transcatheter treatment of severe tricuspid regurgitation using the edge-to-edge repair technique. <i>EuroIntervention</i> , 2017 , 12, e1837-e1844	3.1	49
145	New computerized fetal heart rate analysis for surveillance of intrauterine growth restriction. <i>Prenatal Diagnosis</i> , 2011 , 31, 509-14	3.2	48
144	Effects of Renal Sympathetic Denervation on 24-hour Blood Pressure Variability. <i>Frontiers in Physiology</i> , 2012 , 3, 134	4.6	41
143	Prognostic value of mild-to-moderate pulmonary hypertension in patients with severe aortic valve stenosis undergoing aortic valve replacement. <i>Clinical Research in Cardiology</i> , 2012 , 101, 81-8	6.1	39
142	Systematic comparisons of electrocardiographic morphology increase the precision of QT interval measurement. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009 , 32, 119-30	1.6	36
141	Heart rate deceleration runs for postinfarction risk prediction. <i>Journal of Electrocardiology</i> , 2012 , 45, 70-6	1.4	35
140	QRS duration and late mortality in unselected post-infarction patients of the revascularization era. <i>European Heart Journal</i> , 2006 , 27, 427-33	9.5	35
139	Heart rate turbulence. <i>Journal of Electrocardiology</i> , 2003 , 36 Suppl, 89-93	1.4	35
138	Significant association between systolic and diastolic blood pressure elevations and periodic limb movements in patients with idiopathic restless legs syndrome. <i>Sleep Medicine</i> , 2016 , 17, 109-20	4.6	34
137	Spontaneous baroreflex sensitivity: prospective validation trial of a novel technique in survivors of acute myocardial infarction. <i>Heart Rhythm</i> , 2012 , 9, 1288-94	6.7	34
136	Reflex and tonic autonomic markers for risk stratification in patients with type 2 diabetes surviving acute myocardial infarction. <i>Diabetes Care</i> , 2011 , 34, 1833-7	14.6	34
135	Prediction of mortality benefit based on periodic repolarisation dynamics in patients undergoing prophylactic implantation of a defibrillator: a prospective, controlled, multicentre cohort study. <i>Lancet, The</i> , 2019 , 394, 1344-1351	4.0	33
134	Prognostic Implications of Global Longitudinal Strain by Feature-Tracking Cardiac Magnetic Resonance in ST-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e009404	3.9	33
133	Discontinuation versus continuation of renin-angiotensin-system inhibitors in COVID-19 (ACEI-COVID): a prospective, parallel group, randomised, controlled, open-label trial. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 863-872	35.1	33

132	Predictors for long-term survival after transcatheter edge-to-edge mitral valve repair. <i>Journal of Interventional Cardiology</i> , 2017 , 30, 226-233	1.8	31
131	Risk prediction by heart rate turbulence and deceleration capacity in postinfarction patients with preserved left ventricular function retrospective analysis of 4 independent trials. <i>Journal of Electrocardiology</i> , 2009 , 42, 597-601	1.4	31
130	Brain sparing effect in growth-restricted fetuses is associated with decreased cardiac acceleration and deceleration capacities: a case-control study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016 , 123, 1947-1954	3.7	30
129	Bivariate phase-rectified signal averaging for assessment of spontaneous baroreflex sensitivity: pilot study of the technology. <i>Journal of Electrocardiology</i> , 2010 , 43, 649-53	1.4	30
128	Prognostic value of contrast-enhanced cardiac magnetic resonance imaging in patients with newly diagnosed non-ischemic cardiomyopathy: cohort study. <i>PLoS ONE</i> , 2013 , 8, e57077	3.7	29
127	Parameters influence on acceleration and deceleration capacity based on trans-abdominal ECG in early fetal growth restriction at different gestational age epochs. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015 , 188, 104-12	2.4	28
126	Cyclophilin A predicts clinical outcome in patients with congestive heart failure undergoing endomyocardial biopsy. <i>European Journal of Heart Failure</i> , 2013 , 15, 176-84	12.3	28
125	Turbulence dynamics: an independent predictor of late mortality after acute myocardial infarction. <i>International Journal of Cardiology</i> , 2006 , 107, 42-7	3.2	28
124	Effect of the COVID-19 Pandemic on Treatment Delays in Patients with ST-Segment Elevation Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	28
123	Rotigotine's effect on PLM-associated blood pressure elevations in restless legs syndrome: An RCT. <i>Neurology</i> , 2016 , 86, 1785-93	6.5	28
122	Autonomic nervous system activity as risk predictor in the medical emergency department: a prospective cohort study. <i>Critical Care Medicine</i> , 2015 , 43, 1079-86	1.4	27
121	Bivariate phase-rectified signal averaging. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 5091-5100	3.3	26
120	Acceleration and deceleration capacity of fetal heart rate in an in-vivo sheep model. <i>PLoS ONE</i> , 2014 , 9, e104193	3.7	26
119	Aortic regurgitation with second versus third-generation balloon-expandable prostheses in patients undergoing transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2015 , 11, 214-20	3.1	26
118	Worsening calcification propensity precedes all-cause and cardiovascular mortality in haemodialyzed patients. <i>Scientific Reports</i> , 2017 , 7, 13368	4.9	25
117	Clinical effectiveness of primary prevention implantable cardioverter-defibrillators: results of the EU-CERT-ICD controlled multicentre cohort study. <i>European Heart Journal</i> , 2020 , 41, 3437-3447	9.5	25
116	Autologous stem cell transplantation with thiotepa-based conditioning in patients with systemic sclerosis and cardiac manifestations. <i>Rheumatology</i> , 2014 , 53, 919-22	3.9	25
115	Bivariate phase-rectified signal averaging--a novel technique for cross-correlation analysis in noisy nonstationary signals. <i>Journal of Electrocardiology</i> , 2009 , 42, 602-6	1.4	23

114	Influence of non-cardiac comorbidities on outcome after percutaneous mitral valve repair: results from the German transcatheter mitral valve interventions (TRAMI) registry. <i>Clinical Research in Cardiology</i> , 2015 , 104, 1044-53	6.1	22
113	One-year outcomes with two suture-mediated closure devices to achieve access-site haemostasis following transfemoral transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2016 , 12, 1298-1304	3.1	22
112	Effects of verbal suggestion on coronary arteries: results of a randomized controlled experimental investigation during coronary angiography. <i>American Heart Journal</i> , 2011 , 162, 507-11	4.9	21
111	Periodic Repolarisation Dynamics: A Natural Probe of the Ventricular Response to Sympathetic Activation. <i>Arrhythmia and Electrophysiology Review</i> , 2016 , 5, 31-6	3.2	21
110	Bivariate phase-rectified signal averaging for assessment of spontaneous baroreflex sensitivity: normalization of the results. <i>Journal of Electrocardiology</i> , 2012 , 45, 77-81	1.4	18
109	Rationale and study design of the prospective, longitudinal, observational cohort study "rISK strAtification in end-stage renal disease" (ISAR) study. <i>BMC Nephrology</i> , 2016 , 17, 161	2.7	17
108	Cardiac magnetic resonance imaging in patients undergoing percutaneous mitral valve repair with the MitraClip system. <i>Clinical Research in Cardiology</i> , 2014 , 103, 397-404	6.1	17
107	Blood pressure variability after catheter-based renal sympathetic denervation in patients with resistant hypertension. <i>Journal of Hypertension</i> , 2015 , 33, 2512-8	1.9	17
106	Respiratory sinus arrhythmia as a predictor of sudden cardiac death after myocardial infarction. <i>Annals of Medicine</i> , 2008 , 40, 376-82	1.5	17
105	Heart Rate Variability Triangular Index as a Predictor of Cardiovascular Mortality in Patients With Atrial Fibrillation. <i>Journal of the American Heart Association</i> , 2020 , 9, e016075	6	17
104	Transcatheter Treatment of Severe Tricuspid Regurgitation Using the Edge-to-Edge Repair Technique in the Presence and Absence of Pacemaker Leads. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 2014-2016	5	16
103	Risk prediction in post-infarction patients with moderately reduced left ventricular ejection fraction by combined assessment of the sympathetic and vagal cardiac autonomic nervous system. <i>International Journal of Cardiology</i> , 2017 , 249, 1-5	3.2	16
102	Bedside autonomic risk stratification after myocardial infarction by means of short-term deceleration capacity of heart rate. <i>Europace</i> , 2018 , 20, f129-f136	3.9	15
101	Predictors of cerebrovascular events at mid-term after transcatheter aortic valve implantation - Results from EVERY-TAVI registry. <i>International Journal of Cardiology</i> , 2017 , 244, 106-111	3.2	15
100	Mortality prediction in stable hemodialysis patients is refined by YKL-40, a 40-kDa glycoprotein associated with inflammation. <i>Kidney International</i> , 2018 , 93, 221-230	9.9	14
99	Heart rate turbulence as risk-predictor after myocardial infarction. <i>Frontiers in Physiology</i> , 2011 , 2, 99	4.6	14
98	Rationale and design of the EU-CERT-ICD prospective study: comparative effectiveness of prophylactic ICD implantation. <i>ESC Heart Failure</i> , 2019 , 6, 182-193	3.7	14
97	Aortic annulus to left coronary distance as a predictor for persistent left bundle branch block after TAVI. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 89, E162-E168	2.7	13

96	Patterns of chronic hand eczema: a semantic map analysis of the CARPE registry data. <i>British Journal of Dermatology</i> , 2018 , 178, 229-237	4	13
95	Automated assessment of cardiac autonomic function by means of deceleration capacity from noisy, nonstationary ECG signals: validation study. <i>Annals of Noninvasive Electrocardiology</i> , 2014 , 19, 122-135	1.8	13
94	Severe autonomic failure in moderate to severe aortic stenosis: prevalence and association with hemodynamics and biomarkers. <i>Clinical Research in Cardiology</i> , 2012 , 101, 565-72	6.1	13
93	Severe autonomic failure as a predictor of mortality in aortic valve stenosis. <i>International Journal of Cardiology</i> , 2014 , 176, 782-7	3.2	12
92	Heart rate turbulence to guide treatment for prevention of sudden death. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 55, 531-8	3.1	11
91	Prediction of Appropriate Shocks Using 24-Hour Holter Variables and T-Wave Alternans After First Implantable Cardioverter-Defibrillator Implantation in Patients With Ischemic or Nonischemic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2016 , 118, 86-94	3	11
90	Periodic repolarization dynamics as a risk predictor after myocardial infarction: Prospective validation study. <i>Heart Rhythm</i> , 2019 , 16, 1223-1231	6.7	11
89	Impact of COVID-19 pandemic restrictions on ST-elevation myocardial infarction: a cardiac magnetic resonance imaging study. <i>European Heart Journal</i> , 2021 ,	9.5	11
88	Retrospective analysis of circulatory support with the Impella CP [®] device in patients with therapy refractory cardiogenic shock. <i>International Journal of Cardiology</i> , 2016 , 219, 200-3	3.2	10
87	Deceleration Capacity of Heart Rate After Acute Altitude Exposure. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 299-302	1.9	10
86	Demonstration of circadian rhythm in heart rate turbulence using novel application of correlator functions. <i>Heart Rhythm</i> , 2007 , 4, 292-300	6.7	10
85	Last piece of the heart rate turbulence puzzle?. <i>Heart Rhythm</i> , 2007 , 4, 290-1	6.7	10
84	Platelet Reactivity and Early Outcomes after Transfemoral Aortic Valve Implantation. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 1832-1838	7	10
83	Reverse left ventricular remodeling after percutaneous mitral valve repair: strain analysis by speckle tracking echocardiography and cardiac magnetic resonance imaging. <i>International Journal of Cardiology</i> , 2013 , 168, 4983-5	3.2	9
82	Assessment of coupling between trans-abdominally acquired fetal ECG and uterine activity by bivariate phase-rectified signal averaging analysis. <i>PLoS ONE</i> , 2014 , 9, e94557	3.7	9
81	Implantable cardiac monitors in high-risk post-infarction patients with cardiac autonomic dysfunction and moderately reduced left ventricular ejection fraction: Design and rationale of the SMART-MI trial. <i>American Heart Journal</i> , 2017 , 190, 34-39	4.9	8
80	Identifying high-risk post-infarction patients by autonomic testing - Below the tip of the iceberg. <i>International Journal of Cardiology</i> , 2017 , 237, 19-21	3.2	7
79	Functional neuroimaging in the acute phase of Takotsubo syndrome: volumetric and functional changes of the right insular cortex. <i>Clinical Research in Cardiology</i> , 2020 , 109, 1107-1113	6.1	7

78	Impact of myocardial salvage assessed by (99m)Tc-sestamibi scintigraphy on cardiac autonomic function in patients undergoing mechanical reperfusion therapy for acute myocardial infarction. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 449-57	8.4	7
77	Dynamic Changes of Cardiac Repolarization Instability during Exercise Testing. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1517-1522	1.2	7
76	Early Risk Stratification in Patients With Cardiogenic Shock Complicating Acute Myocardial Infarction Treated With Extracorporeal Life Support and Primary Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 2469-2471	5	6
75	Point-of-care testing of cardiac autonomic function for risk assessment in patients with suspected acute coronary syndromes. <i>Clinical Research in Cardiology</i> , 2017 , 106, 686-694	6.1	6
74	Effects of renal denervation on 24-h heart rate and heart rate variability in resistant hypertension. <i>Clinical Research in Cardiology</i> , 2020 , 109, 581-588	6.1	6
73	Early onset of menopause is associated with increased peripheral atherosclerotic plaque volume and progression. <i>Atherosclerosis</i> , 2020 , 297, 25-31	3.1	5
72	First Implantation of Repositionable Lotus Valve in a Degenerated Trifecta Bioprosthesis. <i>Journal of Interventional Cardiology</i> , 2015 , 28, 264-5	1.8	5
71	Long-Term Prognostic Value of High-Sensitivity Troponin T Added to N-Terminal Pro Brain Natriuretic Peptide Plasma Levels Before Valve Replacement for Severe Aortic Stenosis. <i>American Journal of Cardiology</i> , 2019 , 124, 1932-1939	3	5
70	Prevalence and predictors of severe autonomic failure in patients with insulin-dependent type 2 diabetes mellitus and coronary artery disease: pilot study. <i>Journal of Electrocardiology</i> , 2012 , 45, 774-9	1.4	4
69	Ventricular thrombus and thrombocytopenia as first presentation of anaplastic thyroid carcinoma. <i>Journal of Clinical Oncology</i> , 2013 , 31, e194-6	2.2	4
68	Aortic Stiffness and Infarct Healing in Survivors of Acute ST-Segment-Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020 , 9, e014740	6	4
67	Deceleration Capacity and Periodic Repolarization Dynamics As Predictors of Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , 2020 , 21, 417-422	1.9	4
66	Effect of Hyperventilation on Periodic Repolarization Dynamics. <i>Frontiers in Physiology</i> , 2020 , 11, 542183	4.6	4
65	Outcome of patients treated with extracorporeal life support in cardiogenic shock complicating acute myocardial infarction: 1-year result from the ECLS-Shock study. <i>Clinical Research in Cardiology</i> , 2021 , 110, 1412-1420	6.1	4
64	Global longitudinal strain improves risk assessment after ST-segment elevation myocardial infarction: a comparative prognostic evaluation of left ventricular functional parameters. <i>Clinical Research in Cardiology</i> , 2021 , 110, 1599-1611	6.1	4
63	Global longitudinal strain by feature tracking for optimized prediction of adverse remodeling after ST-elevation myocardial infarction. <i>Clinical Research in Cardiology</i> , 2021 , 110, 61-71	6.1	4
62	High sensitivity C-reactive protein is associated with worse infarct healing after revascularized ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2021 , 328, 191-196	3.2	4
61	Cardiomyocyte Injury Following Acute Ischemic Stroke: Protocol for a Prospective Observational Cohort Study. <i>JMIR Research Protocols</i> , 2021 , 10, e24186	2	4

60	FIFA World Cup 2018. <i>European Heart Journal</i> , 2018 , 39, 4139-4142	9.5	4
59	Implementation and verification of an enhanced algorithm for the automatic computation of RR-interval series derived from 24 h 12-lead ECGs. <i>Physiological Measurement</i> , 2017 , 38, 1-14	2.9	3
58	Cardiac arrest saves a patient's procedure. <i>International Journal of Cardiology</i> , 2015 , 185, 165-6	3.2	3
57	Association of Myocardial Injury With Serum Procalcitonin Levels in Patients With ST-Elevation Myocardial Infarction. <i>JAMA Network Open</i> , 2020 , 3, e207030	10.4	3
56	Cardiovascular Mortality Can Be Predicted by Heart Rate Turbulence in Hemodialysis Patients. <i>Frontiers in Physiology</i> , 2020 , 11, 77	4.6	3
55	Relationship between admission Q waves and microvascular injury in patients with ST-elevation myocardial infarction treated with primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2019 , 297, 1-7	3.2	3
54	Electrophysiological characterization of scars detected by contrast enhanced magnetic resonance imaging in patients with non-ischemic cardiomyopathy. <i>International Journal of Cardiology</i> , 2013 , 167, 1070-2	3.2	3
53	Sensitive cardiac troponin assays. <i>New England Journal of Medicine</i> , 2009 , 361, 2575; author reply 2576-759.2		3
52	Mitigating ventricular tachycardia. <i>British Heart Journal</i> , 2003 , 89, 1382		3
51	Impact of infarct location and size on clinical outcome after ST-elevation myocardial infarction treated by primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2020 , 301, 14-20	3.2	3
50	Large potassium shifts during dialysis enhance cardiac repolarization instability. <i>Journal of Nephrology</i> , 2021 , 34, 1301-1305	4.8	3
49	Gender Differences in the Atherosclerosis Profile by Coronary CTA in Coronary Artery Calcium Score Zero Patients. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
48	Non-contrast MRI protocol for TAVI guidance: quiescent-interval single-shot angiography in comparison with contrast-enhanced CT. <i>European Radiology</i> , 2020 , 30, 4847-4856	8	3
47	Empfehlungen zur extrakorporalen kardiopulmonalen Reanimation (eCPR). <i>Kardiologe</i> , 2018 , 12, 332-340.6	10.6	3
46	C-reactive protein velocity predicts microvascular pathology after acute ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2021 , 338, 30-36	3.2	3
45	Maternal cardiac deceleration capacity: a novel insight into maternal autonomic function in pregnancies complicated by hypertensive disorders and intrauterine growth restriction. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2016 , 206, 6-11	2.4	2
44	Challenging Recently Published Parameter Sets for Entropy Measures in Risk Prediction for End-Stage Renal Disease Patients. <i>Entropy</i> , 2017 , 19, 582	2.8	2
43	Transseptal Transcatheter Implantation of a Third-Generation Balloon-Expandable Valve in Degenerated Mitral Bioprosthesis. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, e241-3	5	2

42	Telemedical cardiac risk assessment by implantable cardiac monitors in patients after myocardial infarction with autonomic dysfunction (SMART-MI-DZHK9): a prospective investigator-initiated, randomised, multicentre, open-label, diagnostic trial.. <i>The Lancet Digital Health</i> , 2022 , 4, e105-e116	14.4	2
41	Age-dependent impact of the SYNTAX-score on longer-term mortality after percutaneous coronary intervention in an all-comer population. <i>Journal of Geriatric Cardiology</i> , 2018 , 15, 559-566	1.7	2
40	Association of plasma interleukin-6 with infarct size, reperfusion injury, and adverse remodelling after ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 ,	4.3	2
39	Association of Food and Alcohol Consumption with Peripheral Atherosclerotic Plaque Volume as Measured by 3D-Ultrasound. <i>Nutrients</i> , 2020 , 12,	6.7	2
38	Deceleration capacity of heart rate and periodic repolarization dynamics during normobaric hypoxia. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1087-1089	4.6	2
37	Nocturnal respiratory rate predicts ICD benefit: A prospective, controlled, multicentre cohort study. <i>EClinicalMedicine</i> , 2021 , 31, 100695	11.3	2
36	Estimating the extent of myocardial damage in patients with STEMI using the DETERMINE score. <i>Open Heart</i> , 2021 , 8,	3	2
35	Periodic repolarization dynamics in patients with moderate to severe aortic stenosis. <i>Journal of Electrocardiology</i> , 2017 , 50, 802-807	1.4	1
34	Long-term performance of an atrial lead capable of accelerometer based detection of cardiac contractility in patients receiving cardiac resynchronisation therapy. <i>PLoS ONE</i> , 2019 , 14, e0222269	3.7	1
33	Present criteria for prophylactic ICD implantation: Insights from the EU-CERT-ICD (Comparative Effectiveness Research to Assess the Use of Primary Prophylactic Implantable Cardioverter Defibrillators in Europe) project. <i>Journal of Electrocardiology</i> , 2019 , 57S, S34-S39	1.4	1
32	Left Atrial Appendage Morphology and Left Atrial Wall Thickness Are Associated with Cardio-Embolic Stroke. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
31	Empfehlungen zur extrakorporalen kardiopulmonalen Reanimation (eCPR). <i>Zeitschrift Fur Herz-, Thorax- Und Gefasschirurgie</i> , 2019 , 33, 190-198	0.1	1
30	Hotline sessions and clinical trial updates presented at the European Society of Cardiology Congress in Stockholm 2010. <i>Clinical Research in Cardiology</i> , 2010 , 99, 679-92	6.1	1
29	Impaired heart rate variability triangular index to identify clinically silent strokes in patients with atrial fibrillation. <i>European Heart Journal</i> , 2020 , 41,	9.5	1
28	A novel approach to determine aortic valve area with phase-contrast cardiovascular magnetic resonance.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 7	6.9	1
27	Association of C-Reactive Protein Velocity with Early Left Ventricular Dysfunction in Patients with First ST-Elevation Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
26	Impact of posteromedial papillary muscle infarction on mitral regurgitation during ST-segment elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 503-511	2.5	1
25	Acupuncture at the auricular branch of the vagus nerve enhances heart rate variability in humans: An exploratory study. <i>Heart Rhythm O2</i> , 2020 , 1, 215-221	1.5	1

24	NGAL Correlates with Femoral and Carotid Plaque Volume Assessed by Sonographic 3D Plaque Volumetry. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
23	Association of Heart Rate Variability With Silent Brain Infarcts in Patients With Atrial Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 684461	5.4	1
22	FIFA World Cup 2018: effect of emotional stress on conventional heart rate variability metrics. <i>Clinical Research in Cardiology</i> , 2020 , 109, 266-270	6.1	1
21	Determinants and prognostic relevance of aortic stiffness in patients with recent ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 1	2.5	1
20	Rationale and design of a digital trial using smartphones to detect subclinical atrial fibrillation in a population at risk: The eHealth-based bavarian alternative detection of Atrial Fibrillation (eBRAVE-AF) trial. <i>American Heart Journal</i> , 2021 , 241, 26-34	4.9	1
19	U-Shaped Association of the Heart Rate Variability Triangular Index and Mortality in Hemodialysis Patients With Atrial Fibrillation.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 751052	5.4	0
18	Electrocardiographic parameters of left ventricular hypertrophy and prediction of mortality in hemodialysis patients. <i>Journal of Nephrology</i> , 2021 , 1	4.8	0
17	Impact of acute ethanol intake on cardiac autonomic regulation. <i>Scientific Reports</i> , 2021 , 11, 13255	4.9	0
16	Reciprocal communication of pericoronary adipose tissue and coronary atherogenesis. <i>European Journal of Radiology</i> , 2021 , 136, 109531	4.7	0
15	Feasibility and effectiveness of a multidimensional post-discharge disease management programme for heart failure patients in clinical practice: the HerzMobil Tirol programme. <i>Clinical Research in Cardiology</i> , 2021 , 1	6.1	0
14	Impact of energy drink versus coffee consumption on periodic repolarization dynamics: an interventional study.. <i>European Journal of Nutrition</i> , 2022 , 1	5.2	0
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