

Patrick Badertscher

List of Publications by Year in descending order

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92
papers

2,340
citations

236612

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233125

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docs citations

92
times ranked

2411
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#	ARTICLE	IF	CITATIONS
1	Clinical Use of High-Sensitivity Cardiac Troponin in Patients With Suspected Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2017, 70, 996-1012.	1.2	183
2	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.	1.2	147
3	Direct Comparison of 4 Very Early Rule-Out Strategies for Acute Myocardial Infarction Using High-Sensitivity Cardiac Troponin I. <i>Circulation</i> , 2017, 135, 1597-1611.	1.6	138
4	Outcome of Applying the ESC 0/1-hour Algorithm in Patients With Suspected Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 483-494.	1.2	126
5	0/1-Hour Triage Algorithm for Myocardial Infarction in Patients With Renal Dysfunction. <i>Circulation</i> , 2018, 137, 436-451.	1.6	110
6	Clinical Validation of a Novel High-Sensitivity Cardiac Troponin I Assay for Early Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2018, 64, 1347-1360.	1.5	110
7	Effect of Definition on Incidence and Prognosis of Type 2 Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1558-1568.	1.2	94
8	Early Diagnosis of Myocardial Infarction With Point-of-Care High-Sensitivity Cardiac Troponin I. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1111-1124.	1.2	94
9	Impact of age on the performance of the ESC 0/1h-algorithms for early diagnosis of myocardial infarction. <i>European Heart Journal</i> , 2018, 39, 3780-3794.	1.0	78
10	Clinical Effect of Sex-Specific Cutoff Values of High-Sensitivity Cardiac Troponin T in Suspected Myocardial Infarction. <i>JAMA Cardiology</i> , 2016, 1, 912.	3.0	75
11	Direct Comparison of Cardiac Myosin-Binding Protein C With Cardiac Troponins for the Early Diagnosis of Acute Myocardial Infarction. <i>Circulation</i> , 2017, 136, 1495-1508.	1.6	63
12	High-Sensitivity Cardiac Troponin I Assay for Early Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2019, 65, 893-904.	1.5	59
13	Combining High-Sensitivity Cardiac Troponin I and Cardiac Troponin T in the Early Diagnosis of Acute Myocardial Infarction. <i>Circulation</i> , 2018, 138, 989-999.	1.6	56
14	Comparison of fourteen rule-out strategies for acute myocardial infarction. <i>International Journal of Cardiology</i> , 2019, 283, 41-47.	0.8	45
15	Incidence and outcomes of unstable angina compared with non-ST-elevation myocardial infarction. <i>Heart</i> , 2019, 105, 1423-1431.	1.2	42
16	Clinical Use of a New High-Sensitivity Cardiac Troponin I Assay in Patients with Suspected Myocardial Infarction. <i>Clinical Chemistry</i> , 2019, 65, 1426-1436.	1.5	41
17	B-Type Natriuretic Peptides and Cardiac Troponins for Diagnosis and Risk-Stratification of Syncope. <i>Circulation</i> , 2019, 139, 2403-2418.	1.6	40
18	External Validation of the MEESI Acute Heart Failure Risk Score. <i>Annals of Internal Medicine</i> , 2019, 170, 248.	2.0	40

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19	Clinical Utility of Procalcitonin in the Diagnosis of Pneumonia. <i>Clinical Chemistry</i> , 2019, 65, 1532-1542.	1.5	37
20	Two-Hour Algorithm for Rapid Triage of Suspected Acute Myocardial Infarction Using a High-Sensitivity Cardiac Troponin I Assay. <i>Clinical Chemistry</i> , 2019, 65, 1437-1447.	1.5	36
21	Early diagnosis of acute myocardial infarction in patients with mild elevations of cardiac troponin. <i>Clinical Research in Cardiology</i> , 2017, 106, 457-467.	1.5	35
22	Direct Comparison of 2 Rule-Out Strategies for Acute Myocardial Infarction: 2-h Accelerated Diagnostic Protocol vs 2-h Algorithm. <i>Clinical Chemistry</i> , 2017, 63, 1227-1236.	1.5	35
23	Comparison of high-sensitivity cardiac troponin I and T for the prediction of cardiac complications after non-cardiac surgery. <i>American Heart Journal</i> , 2018, 203, 67-73.	1.2	31
24	Amyloid- β (1-40) and Mortality in Patients With Non-ST-Segment Elevation Acute Coronary Syndrome. <i>Annals of Internal Medicine</i> , 2018, 168, 855.	2.0	29
25	Diagnostic and prognostic value of cystatin C in acute heart failure. <i>Clinical Biochemistry</i> , 2017, 50, 1007-1013.	0.8	28
26	Predicting Major Adverse Events in Patients With Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 842-854.	1.2	28
27	Prospective validation of current quantitative electrocardiographic criteria for ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2019, 292, 1-12.	0.8	27
28	Prevalence of Pulmonary Embolism in Patients With Syncope. <i>Journal of the American College of Cardiology</i> , 2019, 74, 744-754.	1.2	26
29	Diagnosis of acute myocardial infarction in the presence of left bundle branch block. <i>Heart</i> , 2019, 105, 1559-1567.	1.2	24
30	Direct Comparison of Cardiac Troponin T and I Using a Uniform and a Sex-Specific Approach in the Detection of Functionally Relevant Coronary Artery Disease. <i>Clinical Chemistry</i> , 2018, 64, 1596-1606.	1.5	19
31	An algorithm for rule-in and rule-out of acute myocardial infarction using a novel troponin I assay. <i>Heart</i> , 2017, 103, 125-131.	1.2	18
32	Impact of the US Food and Drug Administration's Approved Sex-Specific Cutoff Values for High-Sensitivity Cardiac Troponin T to Diagnose Myocardial Infarction. <i>Circulation</i> , 2018, 137, 1867-1869.	1.6	18
33	Prospective validation of prognostic and diagnostic syncope scores in the emergency department. <i>International Journal of Cardiology</i> , 2018, 269, 114-121.	0.8	18
34	Incremental diagnostic and prognostic value of the QRS-T angle, a 12-lead ECG marker quantifying heterogeneity of depolarization and repolarization, in patients with suspected non-ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2019, 277, 8-15.	0.8	18
35	How to best use high-sensitivity cardiac troponin in patients with suspected myocardial infarction. <i>Clinical Biochemistry</i> , 2018, 53, 143-155.	0.8	17
36	Diagnostic and prognostic values of the V-index, a novel ECG marker quantifying spatial heterogeneity of ventricular repolarization, in patients with symptoms suggestive of non-ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2017, 236, 23-29.	0.8	16

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37	Prohormones in the Early Diagnosis of Cardiac Syncope. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	16
38	Effect of a Proposed Modification of the Type 1 and Type 2 Myocardial Infarction Definition on Incidence and Prognosis. <i>Circulation</i> , 2020, 142, 2083-2085.	1.6	14
39	Using High-Sensitivity Cardiac Troponin for the Exclusion of Inducible Myocardial Ischemia in Symptomatic Patients. <i>Annals of Internal Medicine</i> , 2020, 172, 175.	2.0	14
40	Combining high-sensitivity cardiac troponin and B-type natriuretic peptide in the detection of inducible myocardial ischemia. <i>Clinical Biochemistry</i> , 2018, 52, 33-40.	0.8	13
41	Diagnostic Accuracy of a High-Sensitivity Cardiac Troponin Assay with a Single Serum Test in the Emergency Department. <i>Clinical Chemistry</i> , 2019, 65, 1006-1014.	1.5	13
42	Technical and procedural comparison of two different cryoballoon ablation systems in patients with atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 64, 409-416.	0.6	12
43	Relative hypochromia and mortality in acute heart failure. <i>International Journal of Cardiology</i> , 2019, 286, 104-110.	0.8	11
44	Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome. <i>Heart</i> , 2019, 105, 826-833.	1.2	11
45	Sex-specific efficacy and safety of cryoballoon versus radiofrequency ablation for atrial fibrillation: An individual patient data meta-analysis. <i>Heart Rhythm</i> , 2020, 17, 1232-1240.	0.3	11
46	Direct comparison of high-sensitivity cardiac troponin T and I in the early differentiation of type 1 vs. type 2 myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 62-74.	0.4	11
47	Efficacy and safety of a novel cryoballoon ablation system: multicentre comparison of 1-year outcome. <i>Europace</i> , 2022, 24, 1926-1932.	0.7	11
48	Prospective validation of N-terminal pro B-type natriuretic peptide cutoff concentrations for the diagnosis of acute heart failure. <i>European Journal of Heart Failure</i> , 2019, 21, 813-815.	2.9	10
49	Clinical utility of circulating interleukin-6 concentrations in the detection of functionally relevant coronary artery disease. <i>International Journal of Cardiology</i> , 2019, 275, 20-25.	0.8	10
50	Management of conduction disorders after transcatheter aortic valve implantation: results of the EHRA survey. <i>Europace</i> , 2022, 24, 1179-1185.	0.7	10
51	Diagnostic value of the cardiac electrical biomarker, a novel ECG marker indicating myocardial injury, in patients with symptoms suggestive of non-ST-elevation myocardial infarction. <i>Annals of Noninvasive Electrocardiology</i> , 2018, 23, e12538.	0.5	9
52	Diagnostic and Prognostic Value of Lead aVR During Exercise Testing in Patients Suspected of Having Myocardial Ischemia. <i>American Journal of Cardiology</i> , 2017, 119, 959-966.	0.7	8
53	Proenkephalin for the early detection of acute kidney injury in hospitalized patients with chronic kidney disease. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12999.	1.7	8
54	Incidence, characteristics, determinants, and prognostic impact of recurrent syncope. <i>Europace</i> , 2020, 22, 1885-1895.	0.7	8

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55	Diagnostic and prognostic values of the QRSâ€ angle in patients with suspected acute decompensated heart failure. ESC Heart Failure, 2020, 7, 1817-1829.	1.4	8
56	International Validation of the Canadian Syncope Risk Score. Annals of Internal Medicine, 2022, 175, 783-794.	2.0	8
57	High-power short-duration ablation indexâ€guided pulmonary vein isolation protocol using a single catheter. Journal of Interventional Cardiac Electrophysiology, 2022, 65, 633-642.	0.6	8
58	Diagnostic value of ST-segment deviations during cardiac exercise stress testing: Systematic comparison of different ECG leads and time-points. International Journal of Cardiology, 2017, 238, 166-172.	0.8	7
59	Circadian, weekly, seasonal, and temperature-dependent patterns of syncope aetiology in patients at increased risk of cardiac syncope. Europace, 2019, 21, 511-521.	0.7	7
60	Predicting Acute Myocardial Infarction with a Single Blood Draw. Clinical Chemistry, 2019, 65, 437-450.	1.5	7
61	Growth differentiation factor-15 and all-cause mortality in patients with suspected myocardial infarction. International Journal of Cardiology, 2019, 292, 241-245.	0.8	7
62	Development of an electrocardiogram-based risk calculator for a cardiac cause of syncope. Heart, 2021, 107, 1796-1804.	1.2	7
63	Epicardial mapping and ablation of ventricular tachycardia from the coronary venous system in post-coronary bypass patients. Journal of Interventional Cardiac Electrophysiology, 2023, 66, 145-151.	0.6	7
64	Case report: electrical storm during induced hypothermia in a patient with early repolarization. BMC Cardiovascular Disorders, 2017, 17, 277.	0.7	5
65	Effect of Acute Coronary Syndrome Probability on Diagnostic and Prognostic Performance of High-Sensitivity Cardiac Troponin. Clinical Chemistry, 2018, 64, 515-525.	1.5	5
66	Case report: Cryoballoon ablation of the mitral isthmus using a novel mapping system. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 1414-1417.	0.5	5
67	Early kinetics of cardiac troponin in suspected acute myocardial infarction. Revista Espanola De Cardiologia (English Ed), 2021, 74, 502-509.	0.4	5
68	Racial difference in atrial size and extracellular matrix homeostatic response to hypertension: Is this a potential mechanism of reduced atrial fibrillation in African Americans?. Heart Rhythm O2, 2021, 2, 37-45.	0.6	5
69	External validation of the clinical chemistry score. Clinical Biochemistry, 2021, 91, 16-25.	0.8	5
70	Clinical validation of a novel smartwatch for automated detection of atrial fibrillation. Heart Rhythm O2, 2022, 3, 208-210.	0.6	5
71	Magnetic Field Measurements of Portable Electronic Devices: The Risk Inside Pockets for Patients With Cardiovascular Implantable Devices. Circulation: Arrhythmia and Electrophysiology, 2022, 15, CIRCEP121010646.	2.1	5
72	Automatically computed ECG algorithm for the quantification of myocardial scar and the prediction of mortality. Clinical Research in Cardiology, 2018, 107, 824-835.	1.5	4

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73	Relationship of Shock Energy to Impedance During Subcutaneous Implantable Cardioverter-Defibrillator Testing. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008631.	2.1	4
74	Impact of Food and Drug Administration Regulatory Approach on the 0/2-Hour Algorithm for Rapid Triage of Suspected Myocardial Infarction. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005188.	0.9	3
75	Incremental value of high-frequency QRS analysis for diagnosis and prognosis in suspected exercise-induced myocardial ischaemia. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 836-847.	0.4	3
76	Man vs machine: Performance of manual vs automated electrocardiogram analysis for predicting the chamber of origin of idiopathic ventricular arrhythmia. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 410-416.	0.8	3
77	Diagnostic and prognostic value of ST-segment deviation scores in suspected acute myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 857-868.	0.4	3
78	Response by Kaier et al to Letter Regarding Article, "Direct Comparison of Cardiac Myosin-Binding Protein C With Cardiac Troponins for the Early Diagnosis of Acute Myocardial Infarction". <i>Circulation</i> , 2018, 138, 544-545.	1.6	2
79	Surgical repair of an esophageal perforation after radiofrequency catheter ablation for atrial fibrillation. <i>Indian Pacing and Electrophysiology Journal</i> , 2019, 19, 110-113.	0.3	2
80	Impact of age on catheter ablation of premature ventricular contractions. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1077-1084.	0.8	2
81	A Simplified Method to Detect Phrenic Nerve Injury During Cryoballoon Ablation of Atrial Fibrillation Using Lead aVF of the Surface ECG. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021, 14, e009986.	2.1	2
82	Soluble urokinase plasminogen activator receptor and functionally relevant coronary artery disease: a prospective cohort study. <i>Biomarkers</i> , 2022, 27, 278-285.	0.9	2
83	High-sensitivity Cardiac Troponin: A Novel Window to the Heart. <i>Clinical Chemistry</i> , 2017, 63, 1795-1796.	1.5	1
84	A rare and reversible cause of third-degree atrioventricular block: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab372.	0.3	1
85	Association of pulmonary vein isolation and major cardiovascular events in patients with atrial fibrillation. <i>Clinical Research in Cardiology</i> , 2022, , 1.	1.5	1
86	Letter to the Editor: "High sensitive cardiac troponin T: Testing the test". <i>International Journal of Cardiology</i> , 2017, 234, 126.	0.8	0
87	Prevalence and determinants of exercise-induced left ventricular dysfunction in patients with coronary artery disease. <i>European Journal of Clinical Investigation</i> , 2019, 49, e13112.	1.7	0
88	The role of electrophysiologic study in high-risk patients with new-onset conduction disturbances following alcohol septal ablation for hypertrophic obstructive cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2020, 31, 2522-2525.	0.8	0
89	Preprocedural arrhythmia burden and the outcome of catheter ablation of idiopathic premature ventricular complexes. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021, 44, 703-710.	0.5	0
90	Non-invasive predictors for infranodal conduction delay in patients with left bundle branch block after TAVR. <i>Clinical Research in Cardiology</i> , 2021, 110, 1967-1976.	1.5	0

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91	Time to say good bye?â€”The value of a waiting period after pulmonary vein isolation. Journal of Cardiovascular Electrophysiology, 2022, 33, 1734-1736.	0.8	0
92	Deep T Wave inversions in a Young Patient with Chest Pain. European Heart Journal - Case Reports, 0, , .	0.3	0