

Luca Koechlin

List of Publications by Year in descending order

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69
papers

931
citations

567281

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501196

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all docs

70
docs citations

70
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.8	126
2	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.	2.8	94
3	High-Sensitivity Cardiac Troponin I Assay for Early Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2019, 65, 893-904.	3.2	59
4	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.	3.2	41
5	B-Type Natriuretic Peptides and Cardiac Troponins for Diagnosis and Risk-Stratification of Syncope. <i>Circulation</i> , 2019, 139, 2403-2418.	1.6	40
6	Skeletal Muscle Disorders: A Noncardiac Source of Cardiac Troponin T. <i>Circulation</i> , 2022, 145, 1764-1779.	1.6	38
7	Clinical Utility of Procalcitonin in the Diagnosis of Pneumonia. <i>Clinical Chemistry</i> , 2019, 65, 1532-1542.	3.2	37
8	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.	3.2	36
9	Predicting Major Adverse Events in Patients With Acute Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 842-854.	2.8	28
10	Prospective validation of current quantitative electrocardiographic criteria for ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2019, 292, 1-12.	1.7	27
11	Prevalence of Pulmonary Embolism in Patients With Syncope. <i>Journal of the American College of Cardiology</i> , 2019, 74, 744-754.	2.8	26
12	Aortic valve replacement using autologous pericardium: single centre experience with the Ozaki technique. <i>Swiss Medical Weekly</i> , 2018, 148, w14591.	1.6	26
13	Novel Criteria for the Observe-Zone of the ESC 0/1h-hs-cTnT Algorithm. <i>Circulation</i> , 2021, 144, 773-787.	1.6	25
14	Diagnosis of acute myocardial infarction in the presence of left bundle branch block. <i>Heart</i> , 2019, 105, 1559-1567.	2.9	24
15	Cardiovascular Biomarkers in the Early Discrimination of Type 2 Myocardial Infarction. <i>JAMA Cardiology</i> , 2021, 6, 771.	6.1	24
16	Hemoadsorption during Cardiopulmonary Bypass in Patients with Endocarditis Undergoing Valve Surgery: A Retrospective Single-Center Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 564.	2.4	18
17	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
18	Using High-Sensitivity Cardiac Troponin for the Exclusion of Inducible Myocardial Ischemia in Symptomatic Patients. <i>Annals of Internal Medicine</i> , 2020, 172, 175.	3.9	14

#	ARTICLE	IF	CITATIONS
19	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.	3.2	13
20	Echocardiographic and Clinical Follow-up After Aortic Valve Neocuspidization Using Autologous Pericardium. <i>World Journal of Surgery</i> , 2020, 44, 3175-3181.	1.6	12
21	Early Rule-Out Strategies in the Emergency Department Utilizing High-Sensitivity Cardiac Troponin Assays. <i>Clinical Chemistry</i> , 2021, 67, 114-123.	3.2	12
22	Characteristics and Outcomes of Type 2 Myocardial Infarction. <i>JAMA Cardiology</i> , 2022, 7, 427.	6.1	12
23	Aortic root and ascending aorta dimensions in acute aortic dissection. <i>Perfusion (United Kingdom)</i> , 2020, 35, 131-137.	1.0	11
24	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.	1.0	11
25	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.	7.1	10
26	Gut microbiota-dependent metabolite trimethylamine N-oxide (TMAO) and cardiovascular risk in patients with suspected functionally relevant coronary artery disease (fCAD). <i>Clinical Research in Cardiology</i> , 2022, 111, 692-704.	3.3	10
27	Performance of the ESC 0/2h-algorithm using high-sensitivity cardiac troponin I in the early diagnosis of myocardial infarction. <i>American Heart Journal</i> , 2021, 242, 132-137.	2.7	9
28	Adding stress biomarkers to high-sensitivity cardiac troponin for rapid non-ST-elevation myocardial infarction rule-out protocols. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 201-212.	1.0	9
29	Incidence, characteristics, determinants, and prognostic impact of recurrent syncope. <i>Europace</i> , 2020, 22, 1885-1895.	1.7	8
30	Robot-assisted vs. laparoscopic repair of complete upside-down stomach hiatal hernia (the Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T Interventional Techniques, 2022, 36, 480-488.	2.4	8
31	Early Diagnosis of Myocardial Infarction in Patients With a History of Coronary Artery Bypass Grafting. <i>Journal of the American College of Cardiology</i> , 2019, 74, 587-589.	2.8	7
32	Transapical Transcatheter Aortic Valve Implantation Using the JenaValve: A One-Year Follow-up. <i>Thoracic and Cardiovascular Surgeon</i> , 2015, 63, 493-500.	1.0	6
33	Bretschneider (Custodiol®) and St. Thomas 2 Cardioplegia Solution in Mitral Valve Repair via Anterolateral Right Thoracotomy: A Propensity-Modelled Comparison. <i>Mediators of Inflammation</i> , 2019, 2019, 1-7.	3.0	6
34	Microplegia versus Cardioplexol® in Coronary Artery Bypass Surgery with Minimal Extracorporeal Circulation: Comparison of Two Cardioplegia Concepts. <i>Thoracic and Cardiovascular Surgeon</i> , 2020, 68, 223-231.	1.0	5
35	Impact of Modified Frozen Elephant Trunk Procedure on Downstream Aorta Remodeling in Acute Aortic Dissection: CT Scan Follow-up. <i>World Journal of Surgery</i> , 2020, 44, 1648-1657.	1.6	5
36	Early kinetics of cardiac troponin in suspected acute myocardial infarction. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 502-509.	0.6	5

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37	0/2h-Algorithm for Rapid Triage of Suspected Myocardial Infarction Using a Novel High-Sensitivity Cardiac Troponin I Assay. <i>Clinical Chemistry</i> , 2022, 68, 303-312.	3.2	5
38	External validation of the clinical chemistry score. <i>Clinical Biochemistry</i> , 2021, 91, 16-25.	1.9	5
39	Incidence, clinical presentation, management, and outcome of acute pericarditis and myopericarditis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 137-147.	1.0	5
40	Prospective Validation of the ESC 0/1h-Algorithm Using High-Sensitivity Cardiac Troponin I. <i>American Journal of Cardiology</i> , 2021, 158, 152-153.	1.6	4
41	Clinical implementation of a novel myocardial protection pathway in coronary artery bypass surgery with minimal extracorporeal circulation. <i>Perfusion (United Kingdom)</i> , 2019, 34, 277-284.	1.0	4
42	Off-pump compared to minimal extracorporeal circulation surgery in coronary artery bypass grafting. <i>Swiss Medical Weekly</i> , 2014, 144, w13978.	1.6	4
43	Acute aortic dissection with entry tear at the aortic arch: long-term outcome. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 32, 89-96.	1.1	4
44	A 0/1h-algorithm using cardiac myosin-binding protein C for early diagnosis of myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 325-335.	1.0	4
45	Lower diagnostic accuracy of hs-cTnI in patients with prior coronary artery bypass grafting. <i>International Journal of Cardiology</i> , 2022, 354, 1-6.	1.7	4
46	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.	2.2	3
47	Analysis of Myocardial Ischemia Parameters after Coronary Artery Bypass Grafting with Minimal Extracorporeal Circulation and a Novel Microplegia versus Off-Pump Coronary Artery Bypass Grafting. <i>Mediators of Inflammation</i> , 2020, 2020, 1-8.	3.0	3
48	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.	1.0	3
49	External Validation and Extension of a Clinical Score for the Discrimination of Type 2 Myocardial Infarction. <i>Journal of Clinical Medicine</i> , 2021, 10, 1264.	2.4	3
50	First-in-man concomitant mitral valve replacement and coronary artery bypass grafting using a single minimally invasive access. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	3
51	Metastatic Inflammatory Myofibroblastic Tumor of the Spleen: A Case Report and Review of the Literature. <i>Case Reports in Surgery</i> , 2016, 2016, 1-3.	0.4	2
52	Two cases of successful treatment of acute right heart failure with Impella RPÂ®. <i>ESC Heart Failure</i> , 2020, 7, 1982-1986.	3.1	2
53	â€œNoninfective Endocarditisâ€ A Case Report of Hereditary Coagulation Disorders in a 28-Year-Old Male. <i>Diagnostics</i> , 2020, 10, 384.	2.6	2
54	Impact on Mechanical Properties of 10 versus 20 Minute Treatment of Human Pericardium with Glutaraldehyde in OZAKI Procedure. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2021, 27, 273-277.	0.8	2

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55	External Validation of the No Objective Testing Rules in Acute Chest Pain. Journal of the American Heart Association, 2021, 10, e020031.	3.7	2
56	Aortic root thrombus directly after left ventricular assist device implantation. CJC Open, 2021, 3, 1313-1315.	1.5	2
57	Association of Previous Myocardial Infarction and Time to Presentation With Suspected Acute Myocardial Infarction. Journal of the American Heart Association, 2021, 10, e017829.	3.7	2
58	Clinical presentation of patients with prior coronary artery bypass grafting and suspected acute myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 746-755.	1.0	2
59	Soluble urokinase plasminogen activator receptor and functionally relevant coronary artery disease: a prospective cohort study. Biomarkers, 2022, 27, 278-285.	1.9	2
60	Letter by Hafner et al Regarding Article, "Safely Identifying Emergency Department Patients With Acute Chest Pain for Early Discharge: HEART Pathway Accelerated Diagnostic Protocol" Circulation, 2019, 139, e913-e914.	1.6	1
61	Validation of the Novel European Society of Cardiology 0/2-hour Algorithm Using Hs-cTnT in the Early Diagnosis of Myocardial Infarction. American Journal of Cardiology, 2021, 154, 128-130.	1.6	1
62	Noninvasive evaluation of new-onset atrial fibrillation after cardiac surgery: a protocol for the BigMap study. ESC Heart Failure, 2022, , .	3.1	1
63	Three-Dimensional Transesophageal Echocardiography Reconstruction in Removal of a 7-cm Left Atrial Thrombus Attached to a Displaced Amplatzer Device. Circulation: Cardiovascular Imaging, 2018, 11, e007654.	2.6	0
64	Validity of a Novel Point-of-Care Troponin Assay for Single-Test Rule-Out of Acute Myocardial Infarction. JAMA Cardiology, 2019, 4, 298.	6.1	0
65	The pitfall of gastric perforation by temporary pacemaker wires. Asian Cardiovascular and Thoracic Annals, 2020, 28, 290-290.	0.5	0
66	Preoperative Noninvasive Mapping Allowed Targeted Concomitant Surgical Ablation and Revealed COVID-19 Infection. Case Reports in Cardiology, 2021, 2021, 1-5.	0.2	0
67	Aortic Valve Neocuspidization Using Autologous Pericardium (Ozaki Procedure): an Alternative to Aortic Valve Replacement in Adult Cardiac Surgery?. Current Anesthesiology Reports, 2021, 11, 318-325.	2.0	0
68	COVID-19 Pandemic" What Should Not Be Forgotten. The Thoracic and Cardiovascular Surgeon Reports, 2021, 10, e31-e35.	0.3	0
69	OUP accepted manuscript. European Journal of Cardio-thoracic Surgery, 2022, , .	1.4	0