

Rudolph Koster

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

12,785
citations

87723

38
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58464

82
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92
all docs

92
docs citations

92
times ranked

7836
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Global incidences of out-of-hospital cardiac arrest and survival rates: Systematic review of 67 prospective studies. Resuscitation, 2010, 81, 1479-1487. | 1.3 | 2,101 |
| 2 | European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 100-147. | 1.3 | 1,194 |
| 3 | European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 81-99. | 1.3 | 937 |
| 4 | European Resuscitation Council Guidelines for Resuscitation 2010 Section 2. Adult basic life support and use of automated external defibrillators. Resuscitation, 2010, 81, 1277-1292. | 1.3 | 877 |
| 5 | European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 1-80. | 1.3 | 813 |
| 6 | Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports: Update of the Utstein Resuscitation Registry Templates for Out-of-Hospital Cardiac Arrest. Circulation, 2015, 132, 1286-1300. | 1.6 | 726 |
| 7 | European Resuscitation Council Guidelines for Resuscitation 2015. Resuscitation, 2015, 95, 148-201. | 1.3 | 696 |
| 8 | EuReCa ONE Nations, ONE Europe, ONE Registry. Resuscitation, 2016, 105, 188-195. | 1.3 | 612 |
| 9 | Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports: Update of the Utstein Resuscitation Registry Templates for Out-of-Hospital Cardiac Arrest. Resuscitation, 2015, 96, 328-340. | 1.3 | 541 |
| 10 | Survival after out-of-hospital cardiac arrest in Europe - Results of the EuReCa TWO study. Resuscitation, 2020, 148, 218-226. | 1.3 | 428 |
| 11 | Improved Survival After Out-of-Hospital Cardiac Arrest and Use of Automated External Defibrillators. Circulation, 2014, 130, 1868-1875. | 1.6 | 281 |
| 12 | Value of Myoglobin, Troponin T, and CK-MB _{mass} in Ruling Out an Acute Myocardial Infarction in the Emergency Room. Circulation, 1995, 92, 3401-3407. | 1.6 | 263 |
| 13 | Impact of Onsite or Dispatched Automated External Defibrillator Use on Survival After Out-of-Hospital Cardiac Arrest. Circulation, 2011, 124, 2225-2232. | 1.6 | 210 |
| 14 | Importance of the First Link. Circulation, 2009, 119, 2096-2102. | 1.6 | 201 |
| 15 | Local lay rescuers with AEDs, alerted by text messages, contribute to early defibrillation in a Dutch out-of-hospital cardiac arrest dispatch system. Resuscitation, 2014, 85, 1444-1449. | 1.3 | 200 |
| 16 | COSCA (Core Outcome Set for Cardiac Arrest) in Adults: An Advisory Statement From the International Liaison Committee on Resuscitation. Circulation, 2018, 137, e783-e801. | 1.6 | 171 |
| 17 | Quality management in resuscitation â€“ Towards a European Cardiac Arrest Registry (EuReCa). Resuscitation, 2011, 82, 989-994. | 1.3 | 146 |
| 18 | COSCA (Core Outcome Set for Cardiac Arrest) in Adults: An Advisory Statement From the International Liaison Committee on Resuscitation. Resuscitation, 2018, 127, 147-163. | 1.3 | 141 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Cognitive impairment in survivors of out-of-hospital cardiac arrest. <i>American Heart Journal</i> , 2004, 148, 416-421. | 1.2 | 126 |
| 20 | Part 5: Adult basic life support. <i>Resuscitation</i> , 2010, 81, e48-e70. | 1.3 | 114 |
| 21 | Quality of Survival After Cardiopulmonary Resuscitation. <i>Archives of Internal Medicine</i> , 1999, 159, 249. | 4.3 | 112 |
| 22 | Safety of mechanical chest compression devices AutoPulse and LUCAS in cardiac arrest: a randomized clinical trial for non-inferiority. <i>European Heart Journal</i> , 2017, 38, 3006-3013. | 1.0 | 102 |
| 23 | Prevention of deterioration of ventricular fibrillation by basic life support during out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2002, 54, 31-36. | 1.3 | 101 |
| 24 | Recurrent ventricular fibrillation during advanced life support care of patients with prehospital cardiac arrest. <i>Resuscitation</i> , 2008, 78, 252-257. | 1.3 | 86 |
| 25 | Association Between Chest Compression Interruptions and Clinical Outcomes of Ventricular Fibrillation Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , 2015, 132, 1030-1037. | 1.6 | 86 |
| 26 | International variation in survival after out-of-hospital cardiac arrest: A validation study of the Utstein template. <i>Resuscitation</i> , 2019, 138, 168-181. | 1.3 | 77 |
| 27 | Cognitive function and quality of life after successful resuscitation from cardiac arrest. <i>Resuscitation</i> , 2014, 85, 1269-1274. | 1.3 | 72 |
| 28 | Assessment of quality of life and cognitive function after out-of-hospital cardiac arrest with successful resuscitation. <i>American Journal of Cardiology</i> , 2004, 93, 131-135. | 0.7 | 69 |
| 29 | Apples to apples or apples to oranges? International variation in reporting of process and outcome of care for out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2014, 85, 1599-1609. | 1.3 | 63 |
| 30 | A randomized trial comparing monophasic and biphasic waveform shocks for external cardioversion of atrial fibrillation. <i>American Heart Journal</i> , 2004, 147, e1-e7. | 1.2 | 62 |
| 31 | Comorbidity and favorable neurologic outcome after out-of-hospital cardiac arrest in patients of 70 years and older. <i>Resuscitation</i> , 2015, 94, 33-39. | 1.3 | 54 |
| 32 | The challenges and possibilities of public access defibrillation. <i>Journal of Internal Medicine</i> , 2018, 283, 238-256. | 2.7 | 53 |
| 33 | Psychological impact on dispatched local lay rescuers performing bystander cardiopulmonary resuscitation. <i>Resuscitation</i> , 2015, 92, 115-121. | 1.3 | 50 |
| 34 | First-response treatment after out-of-hospital cardiac arrest: a survey of current practices across 29 countries in Europe. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2019, 27, 112. | 1.1 | 49 |
| 35 | Genetic, clinical and pharmacological determinants of out-of-hospital cardiac arrest: rationale and outline of the AmsteRdam Resuscitation Studies (ARREST) registry. <i>Open Heart</i> , 2014, 1, e000112. | 0.9 | 46 |
| 36 | AED and text message responders density in residential areas for rapid response in out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 150, 170-177. | 1.3 | 44 |

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|----|---|-----|-----------|
| 37 | Optimizing Outcomes After Out-of-Hospital Cardiac Arrest With Innovative Approaches to Public-Access Defibrillation: A Scientific Statement From the International Liaison Committee on Resuscitation. <i>Circulation</i> , 2022, 145, CIR0000000000001013. | 1.6 | 44 |
| 38 | Accurate feedback of chest compression depth on a manikin on a soft surface with correction for total body displacement. <i>Resuscitation</i> , 2014, 85, 1439-1443. | 1.3 | 43 |
| 39 | The impact of post-resuscitation feedback for paramedics on the quality of cardiopulmonary resuscitation. <i>Resuscitation</i> , 2017, 110, 1-5. | 1.3 | 36 |
| 40 | Alert system-supported lay defibrillation and basic life-support for cardiac arrest at home. <i>European Heart Journal</i> , 2022, 43, 1465-1474. | 1.0 | 35 |
| 41 | Time of on-scene resuscitation in out of-hospital cardiac arrest patients transported without return of spontaneous circulation. <i>Resuscitation</i> , 2019, 138, 235-242. | 1.3 | 34 |
| 42 | Automatic External Defibrillator: Key Link in the Chain of Survival. <i>Journal of Cardiovascular Electrophysiology</i> , 2002, 13, S92-5. | 0.8 | 31 |
| 43 | Intensive care medicine research agenda on cardiac arrest. <i>Intensive Care Medicine</i> , 2017, 43, 1282-1293. | 3.9 | 30 |
| 44 | Improving usual care after sudden death in the young with focus on inherited cardiac diseases (the Tj ETQq0 0 0 r gBT /Overlock 10 Tf 5 | 0.7 | 29 |
| 45 | Causes for the declining proportion of ventricular fibrillation in out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2015, 96, 23-29. | 1.3 | 28 |
| 46 | Automated external defibrillator and operator performance in out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2017, 118, 140-146. | 1.3 | 28 |
| 47 | Limiting "hands-off" periods during resuscitation. <i>Resuscitation</i> , 2003, 58, 275-276. | 1.3 | 27 |
| 48 | Definition of successful defibrillation. <i>Critical Care Medicine</i> , 2006, 34, S423-S426. | 0.4 | 26 |
| 49 | Occurrence of shockable rhythm in out-of-hospital cardiac arrest over time: A report from the COSTA group. <i>Resuscitation</i> , 2020, 151, 67-74. | 1.3 | 25 |
| 50 | Predictive value of amplitude spectrum area of ventricular fibrillation waveform in patients with acute or previous myocardial infarction in out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2017, 120, 125-131. | 1.3 | 24 |
| 51 | When is a bystander not a bystander any more? A European survey. <i>Resuscitation</i> , 2019, 136, 78-84. | 1.3 | 23 |
| 52 | Management of first responder programmes for out-of-hospital cardiac arrest during the COVID-19 pandemic in Europe. <i>Resuscitation Plus</i> , 2021, 5, 100075. | 0.6 | 22 |
| 53 | Time to Return of Spontaneous Circulation and Survival: When to Transport in out-of-Hospital Cardiac Arrest?. <i>Prehospital Emergency Care</i> , 2021, 25, 171-181. | 1.0 | 21 |
| 54 | European first responder systems and differences in return of spontaneous circulation and survival after out-of-hospital cardiac arrest: A study of registry cohorts. <i>Lancet Regional Health - Europe</i> , The, 2021, 1, 100004. | 3.0 | 21 |

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|----|---|-----|-----------|
| 55 | Critical difference between serial measurements of CK-MB mass to detect myocardial damage. <i>Clinical Chemistry</i> , 1997, 43, 338-343. | 1.5 | 20 |
| 56 | Optimizing outcomes after out-of-hospital cardiac arrest with innovative approaches to public-access defibrillation: A scientific statement from the International Liaison Committee on Resuscitation. <i>Resuscitation</i> , 2022, 172, 204-228. | 1.3 | 20 |
| 57 | Force and depth of mechanical chest compressions and their relation to chest height and gender in an out-of-hospital setting. <i>Resuscitation</i> , 2015, 91, 67-72. | 1.3 | 19 |
| 58 | Different defibrillation strategies in survivors after out-of-hospital cardiac arrest. <i>Heart</i> , 2018, 104, 1929-1936. | 1.2 | 18 |
| 59 | Time delays to reach dispatch centres in different regions in Europe. Are we losing the window of opportunity? â€” The EUROCALL study. <i>Resuscitation</i> , 2017, 111, 8-13. | 1.3 | 16 |
| 60 | A randomized dose-ranging study of rt-PA in acute myocardial infarction. Effects on coronary patency and fibrinolytic parameters. <i>European Heart Journal</i> , 1990, 11, 730-739. | 1.0 | 14 |
| 61 | Minimizing pre- and post-shock pauses during the use of an automatic external defibrillator by two different voice prompt protocols. A randomized controlled trial of a bundle of measures. <i>Resuscitation</i> , 2016, 106, 1-6. | 1.3 | 14 |
| 62 | Pharmacokinetics and Pharmacodynamics of Saruplase, an Unglycosylated Single-chain Urokinase-type Plasminogen Activator, in Patients with Acute Myocardial Infarction. <i>Thrombosis and Haemostasis</i> , 1994, 72, 740-744. | 1.8 | 14 |
| 63 | Out-of-hospital cardiac arrest survival in international airports. <i>Resuscitation</i> , 2018, 127, 58-62. | 1.3 | 13 |
| 64 | Optimizing airway management and ventilation during prehospital advanced life support in out-of-hospital cardiac arrest: A narrative review. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 67-82. | 1.7 | 13 |
| 65 | Effects of liver blood flow on the pharmacokinetics of tissue-type plasminogen activator (alteplase) during thrombolysis in patients with acute myocardial infarction*. <i>Clinical Pharmacology and Therapeutics</i> , 1998, 63, 39-47. | 2.3 | 12 |
| 66 | The pharmacokinetics of recombinant double-chain t-PA (duteplase): Effects of bolus injection, infusions, and administration by weight in patients with myocardial infarction. <i>Clinical Pharmacology and Therapeutics</i> , 1991, 50, 267-277. | 2.3 | 11 |
| 67 | To transport or to terminate resuscitation on-site. What factors influence EMS decisions in patients without ROSC? A mixed-methods study. <i>Resuscitation</i> , 2021, 164, 84-92. | 1.3 | 11 |
| 68 | To ventilate or not to ventilate during bystander CPR â€” A EuReCa TWO analysis. <i>Resuscitation</i> , 2021, 166, 101-109. | 1.3 | 11 |
| 69 | Ventricular fibrillation waveform characteristics in out-of-hospital cardiac arrest and cardiovascular medication use. <i>Resuscitation</i> , 2020, 151, 173-180. | 1.3 | 6 |
| 70 | Pharmacokinetics and pharmacodynamics of saruplase, an unglycosylated single-chain urokinase-type plasminogen activator, in patients with acute myocardial infarction. <i>Thrombosis and Haemostasis</i> , 1994, 72, 740-4. | 1.8 | 6 |
| 71 | Resuscitation with an AED: putting the data to use. <i>Netherlands Heart Journal</i> , 2021, 29, 179-185. | 0.3 | 4 |
| 72 | Transfer of essential AED information to treating hospital (TREAT). <i>Resuscitation</i> , 2020, 149, 47-52. | 1.3 | 3 |

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|----|---|------|-----------|
| 73 | The effect of the localisation of an underlying ST-elevation myocardial infarction on the VF-waveform: A multi-centre cardiac arrest study. <i>Resuscitation</i> , 2021, 168, 11-18. | 1.3 | 3 |
| 74 | Apples in Amsterdam and oranges in Leiden. <i>Netherlands Heart Journal</i> , 2015, 23, 18-19. | 0.3 | 2 |
| 75 | The contribution of comorbidity and medication use to poor outcome from out-of-hospital cardiac arrest at home locations. <i>Resuscitation</i> , 2020, 151, 119-126. | 1.3 | 2 |
| 76 | Continuous or Interrupted Chest Compressions for Cardiac Arrest. <i>New England Journal of Medicine</i> , 2015, 373, 2278-2279. | 13.9 | 1 |
| 77 | Association of beta-blockers and first-registered heart rhythm in out-of-hospital cardiac arrest: real-world data from population-based cohorts across two European countries. <i>Europace</i> , 2020, 22, 1206-1215. | 0.7 | 1 |
| 78 | Volunteer Responders Should Not Be Overlooked During the Night. <i>Journal of the American Heart Association</i> , 2022, 11, e024743. | 1.6 | 1 |
| 79 | Automated external defibrillators. , 0, , 482-495. | | 0 |
| 80 | Prospective Clinical Trial, DEFI 2005: Does an AED Algorithm with More CPR Impact Out-of-Hospital Cardiac Arrest Prognosis?. <i>Academic Emergency Medicine</i> , 2008, 15, S224-S225. | 0.8 | 0 |
| 81 | Decreased left ventricular (LV) function is associated with hip-fractures. <i>Archives of Gerontology and Geriatrics</i> , 2015, 60, 103-107. | 1.4 | 0 |
| 82 | Reply to Letter: The importance of comorbidity and illness severity scores in cardiac arrest research. <i>Resuscitation</i> , 2016, 102, e4. | 1.3 | 0 |
| 83 | Response to letter to the editor Dr. Jouffry. <i>Prehospital Emergency Care</i> , 2021, , 1-1. | 1.0 | 0 |
| 84 | Response to Letter to the Editor Dr. Mosesso. <i>Prehospital Emergency Care</i> , 2022, 26, 318-319. | 1.0 | 0 |
| 85 | Abstract P176: Resumption of Cardiopulmonary Resuscitation after Defibrillation Induces Recurrence of Ventricular Fibrillation. <i>Circulation</i> , 2008, 118, . | 1.6 | 0 |
| 86 | How to handle acute cardiac events and complaints: the Amsterdam experience. <i>European Journal of Emergency Medicine</i> , 1995, 2, 149-52. | 0.5 | 0 |