

# Fritz Sterz

## List of Publications by Citations

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103  
papers

6,820  
citations

32  
h-index

82  
g-index

110  
ext. papers

7,840  
ext. citations

3.7  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
103	Cardiac arrest and cardiopulmonary resuscitation outcome reports: update and simplification of the Utstein templates for resuscitation registries: a statement for healthcare professionals from a task force of the International Liaison Committee on Resuscitation (American Heart Association, European Resuscitation Council, Australian Resuscitation Council, New Zealand Resuscitation Council). <i>Resuscitation</i> , <b>2005</b> , 56, 15-26	16.7	1141
102	Hypothermia for neuroprotection after cardiac arrest: systematic review and individual patient data meta-analysis. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 414-8	1.4	1021
101	Cardiac arrest and cardiopulmonary resuscitation outcome reports: update and simplification of the Utstein templates for resuscitation registries. A statement for healthcare professionals from a task force of the international liaison committee on resuscitation (American Heart Association, European Resuscitation Council, Australian Resuscitation Council, New Zealand Resuscitation Council). <i>Resuscitation</i> , <b>2005</b> , 56, 15-26	4	574
100	Mild cerebral hypothermia during and after cardiac arrest improves neurologic outcome in dogs. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 57-70	7.3	312
99	Hyperthermia after cardiac arrest is associated with an unfavorable neurologic outcome. <i>Archives of Internal Medicine</i> , <b>2001</b> , 161, 2007-12		301
98	Mild hypothermic cardiopulmonary resuscitation improves outcome after prolonged cardiac arrest in dogs. <i>Critical Care Medicine</i> , <b>1991</b> , 19, 379-89	1.4	300
97	Mild resuscitative hypothermia to improve neurological outcome after cardiac arrest. A clinical feasibility trial. Hypothermia After Cardiac Arrest (HACA) Study Group. <i>Stroke</i> , <b>2000</b> , 31, 86-94	6.7	239
96	Efficacy and safety of endovascular cooling after cardiac arrest: cohort study and Bayesian approach. <i>Stroke</i> , <b>2006</b> , 37, 1792-7	6.7	203
95	Manual vs. integrated automatic load-distributing band CPR with equal survival after out of hospital cardiac arrest. The randomized CIRC trial. <i>Resuscitation</i> , <b>2014</b> , 85, 741-8	4	198
94	Cold simple intravenous infusions preceding special endovascular cooling for faster induction of mild hypothermia after cardiac arrest--a feasibility study. <i>Resuscitation</i> , <b>2005</b> , 64, 347-51	4	174
93	Emergency cardiopulmonary bypass for resuscitation from prolonged cardiac arrest. <i>American Journal of Emergency Medicine</i> , <b>1990</b> , 8, 55-67	2.9	144
92	Mild therapeutic hypothermia is associated with favourable outcome in patients after cardiac arrest with non-shockable rhythms. <i>Resuscitation</i> , <b>2011</b> , 82, 1162-7	4	132
91	Cold infusions alone are effective for induction of therapeutic hypothermia but do not keep patients cool after cardiac arrest. <i>Resuscitation</i> , <b>2007</b> , 73, 46-53	4	130
90	The formula for survival in resuscitation. <i>Resuscitation</i> , <b>2013</b> , 84, 1487-93	4	118
89	Feasibility and efficacy of a new non-invasive surface cooling device in post-resuscitation intensive care medicine. <i>Resuscitation</i> , <b>2007</b> , 75, 76-81	4	112
88	AWARE-AWAreneSS during RESuscitation-a prospective study. <i>Resuscitation</i> , <b>2014</b> , 85, 1799-805	4	106
87	Relationship between time to target temperature and outcome in patients treated with therapeutic hypothermia after cardiac arrest. <i>Critical Care</i> , <b>2011</b> , 15, R101	10.8	92

86	Therapeutic hypothermia with a novel surface cooling device improves neurologic outcome after prolonged cardiac arrest in swine. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 895-902	1.4	79
85	Therapeutic Deep Hypothermic Circulatory Arrest in Dogs. <i>Journal of Trauma</i> , <b>1990</b> , 30, 836-847		67
84	Out of hospital cardiac arrest in Vienna: incidence and outcome. <i>Resuscitation</i> , <b>2013</b> , 84, 42-7	4	57
83	Extracorporeal venovenous cooling for induction of mild hypothermia in human-sized swine. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1346-50	1.4	55
82	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> , <b>2014</b> , 85, 1599-609	4	48
81	The incidence of "load&go" out-of-hospital cardiac arrest candidates for emergency department utilization of emergency extracorporeal life support: A one-year review. <i>Resuscitation</i> , <b>2015</b> , 91, 131-6	4	44
80	The beneficial effect of mild therapeutic hypothermia depends on the time of complete circulatory standstill in patients with cardiac arrest. <i>Resuscitation</i> , <b>2012</b> , 83, 596-601	4	44
79	Acute renal failure after successful cardiopulmonary resuscitation. <i>Intensive Care Medicine</i> , <b>2001</b> , 27, 1194-9	14.5	44
78	Admission of out-of-hospital cardiac arrest victims to a high volume cardiac arrest center is linked to improved outcome. <i>Resuscitation</i> , <b>2016</b> , 106, 42-8	4	43
77	Design of the Circulation Improving Resuscitation Care (CIRC) Trial: a new state of the art design for out-of-hospital cardiac arrest research. <i>Resuscitation</i> , <b>2011</b> , 82, 294-9	4	40
76	International variation in survival after out-of-hospital cardiac arrest: A validation study of the Utstein template. <i>Resuscitation</i> , <b>2019</b> , 138, 168-181	4	38
75	Thoracic-impedance changes measured via defibrillator pads can monitor signs of circulation. <i>Resuscitation</i> , <b>2007</b> , 73, 221-8	4	37
74	A prediction tool for initial out-of-hospital cardiac arrest survivors. <i>Resuscitation</i> , <b>2014</b> , 85, 1225-31	4	36
73	Survivors of cardiac arrest with good neurological outcome show considerable impairments of memory functioning. <i>Resuscitation</i> , <b>2015</b> , 88, 120-5	4	35
72	Non-invasive continuous cerebral temperature monitoring in patients treated with mild therapeutic hypothermia: an observational pilot study. <i>Resuscitation</i> , <b>2010</b> , 81, 861-6	4	33
71	Age-specific prognostication after out-of-hospital cardiac arrest - The ethical dilemma between life-sustaining treatment and the right to die in the elderly. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2017</b> , 6, 112-120	4.3	31
70	The strong ion gap and outcome after cardiac arrest in patients treated with therapeutic hypothermia: a retrospective study. <i>Intensive Care Medicine</i> , <b>2009</b> , 35, 232-9	14.5	30
69	Emergency preservation and resuscitation improve survival after 15 minutes of normovolemic cardiac arrest in pigs *. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 2785-2791	1.4	28

68	Cardiac arrest in public locations--an independent predictor for better outcome?. <i>Resuscitation</i> , <b>2006</b> , 70, 395-403	4	28
67	Long-term cardiac arrest survivors of the Vienna emergency medical service. <i>Resuscitation</i> , <b>1998</b> , 38, 137-43	4	27
66	Emergency cardio-pulmonary bypass in cardiac arrest: seventeen years of experience. <i>Resuscitation</i> , <b>2013</b> , 84, 326-30	4	26
65	Mild therapeutic hypothermia improves outcomes compared with normothermia in cardiac-arrest patients--a retrospective chart review. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 2315-9	1.4	25
64	Endothelin-1 elevates regional cerebral perfusion during prolonged ventricular fibrillation cardiac arrest in pigs. <i>Resuscitation</i> , <b>2002</b> , 55, 317-27	4	25
63	Ischemia reperfusion injury as a modifiable therapeutic target for cardioprotection or neuroprotection in patients undergoing cardiopulmonary resuscitation. <i>Resuscitation</i> , <b>2016</b> , 105, 85-91	4	24
62	Mortality in patients resuscitated from out-of-hospital cardiac arrest based on automated blood cell count and neutrophil lymphocyte ratio at admission. <i>Resuscitation</i> , <b>2017</b> , 116, 49-55	4	22
61	Feasibility of the capnogram to monitor ventilation rate during cardiopulmonary resuscitation. <i>Resuscitation</i> , <b>2017</b> , 110, 162-168	4	21
60	Changes in interleukin-10 mRNA expression are predictive for 9-day survival of pigs in an emergency preservation and resuscitation model. <i>Resuscitation</i> , <b>2010</b> , 81, 603-8	4	21
59	Emergency preservation and resuscitation improve survival after 15 minutes of normovolemic cardiac arrest in pigs. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 2785-91	1.4	20
58	Global hypothermia for neuroprotection after cardiac arrest. <i>Acute Cardiac Care</i> , <b>2006</b> , 8, 25-30		20
57	Why do some studies find that CPR fraction is not a predictor of survival?. <i>Resuscitation</i> , <b>2016</b> , 104, 59-62		20
56	Cold aortic flush and chest compressions enable good neurologic outcome after 15 mins of ventricular fibrillation in cardiac arrest in pigs. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 1637-43	1.4	19
55	Continuous versus intermittent neuromuscular blockade in patients during targeted temperature management after resuscitation from cardiac arrest-A randomized, double blinded, double dummy, clinical trial. <i>Resuscitation</i> , <b>2017</b> , 120, 14-19	4	18
54	Surface cooling for rapid induction of mild hypothermia after cardiac arrest: design determines efficacy. <i>Academic Emergency Medicine</i> , <b>2010</b> , 17, 360-7	3.4	18
53	Limits of conventional therapies after prolonged normovolemic cardiac arrest in swine. <i>Resuscitation</i> , <b>2008</b> , 79, 133-8	4	18
52	What change in outcomes after cardiac arrest is necessary to change practice? Results of an international survey. <i>Resuscitation</i> , <b>2016</b> , 107, 115-20	4	18
51	Outcome of in- and out-of-hospital cardiac arrest survivors with liver cirrhosis. <i>Annals of Intensive Care</i> , <b>2017</b> , 7, 103	8.9	17

50	Out-of-hospital initiation of hypothermia in ST-segment elevation myocardial infarction: a randomised trial. <i>Heart</i> , <b>2019</b> , 105, 531-537	5.1	17
49	Rapid induction of cerebral hypothermia by aortic flush during normovolemic cardiac arrest in pigs. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 1769-74	1.4	15
48	Pre-shock chest compression pause effects on termination of ventricular fibrillation/tachycardia and return of organized rhythm within mechanical and manual cardiopulmonary resuscitation. <i>Resuscitation</i> , <b>2015</b> , 93, 158-63	4	14
47	External cardiac defibrillation during wet-surface cooling in pigs. <i>American Journal of Emergency Medicine</i> , <b>2007</b> , 25, 420-4	2.9	14
46	Mechanical chest compression does not seem to improve outcome after out-of hospital cardiac arrest. A single center observational trial. <i>Resuscitation</i> , <b>2015</b> , 96, 220-5	4	13
45	Resting energy expenditure and substrate oxidation rates correlate to temperature and outcome after cardiac arrest - a prospective observational cohort study. <i>Critical Care</i> , <b>2015</b> , 19, 128	10.8	12
44	The impact of airway strategy on the patient outcome after out-of-hospital cardiac arrest: A propensity score matched analysis. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2018</b> , 7, 423-431	4.3	12
43	"Push as hard as you can" instruction for telephone cardiopulmonary resuscitation: a randomized simulation study. <i>Journal of Emergency Medicine</i> , <b>2014</b> , 46, 363-70	1.5	12
42	Improvements in the quality of advanced life support and patient outcome after implementation of a standardized real-life post-resuscitation feedback system. <i>Resuscitation</i> , <b>2017</b> , 120, 38-44	4	12
41	Quality of post arrest care does not differ by time of day at a specialized resuscitation center. <i>Medicine (United States)</i> , <b>2015</b> , 94, e664	1.8	12
40	Neurologic causes of cardiac arrest and outcomes. <i>Journal of Emergency Medicine</i> , <b>2014</b> , 47, 660-7	1.5	12
39	Temperature monitored on the cuff surface of an endotracheal tube reflects body temperature. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 1569-73	1.4	12
38	Prehospital surface cooling is safe and can reduce time to target temperature after cardiac arrest. <i>Resuscitation</i> , <b>2015</b> , 87, 51-6	4	10
37	New conventional long-term survival normovolemic cardiac arrest pig model. <i>Resuscitation</i> , <b>2011</b> , 82, 90-6	4	10
36	Age-dependent effect of targeted temperature management on outcome after cardiac arrest. <i>European Journal of Clinical Investigation</i> , <b>2018</b> , 48, e13026	4.6	10
35	Editor's Choice-Progress in the chain of survival and its impact on outcomes of patients admitted to a specialized high-volume cardiac arrest center during the past two decades. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2016</b> , 5, 3-12	4.3	9
34	Limited effect of mild therapeutic hypothermia on outcome after prolonged resuscitation. <i>Resuscitation</i> , <b>2016</b> , 98, 15-9	4	9
33	Non-occlusive mesenteric ischaemia in out of hospital cardiac arrest survivors. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2018</b> , 7, 450-458	4.3	9

32	Outcome after resuscitation using controlled rapid extracorporeal cooling to a brain temperature of 30 degrees C, 24 degrees C and 18 degrees C during cardiac arrest in pigs. <i>Resuscitation</i> , <b>2010</b> , 81, 242-7	4	9
31	Hypoxic liver injury after in- and out-of-hospital cardiac arrest: Risk factors and neurological outcome. <i>Resuscitation</i> , <b>2019</b> , 137, 175-182	4	8
30	Minimizing pre-shock chest compression pauses in a cardiopulmonary resuscitation cycle by performing an earlier rhythm analysis. <i>Resuscitation</i> , <b>2015</b> , 87, 33-7	4	8
29	Cardiac arrest caused by acute intoxication-insight from a registry. <i>American Journal of Emergency Medicine</i> , <b>2013</b> , 31, 1443-7	2.9	8
28	The capability of professional- and lay-rescuers to estimate the chest compression-depth target: a short, randomized experiment. <i>Resuscitation</i> , <b>2015</b> , 89, 137-41	4	8
27	Post-resuscitation care at the emergency department with critical care facilities--a length-of-stay analysis. <i>Resuscitation</i> , <b>2011</b> , 82, 853-8	4	8
26	Microdialysis Assessment of Cerebral Perfusion during Cardiac Arrest, Extracorporeal Life Support and Cardiopulmonary Resuscitation in Rats - A Pilot Trial. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155303	3.7	8
25	Proteomics-Enriched Prediction Model for Poor Neurologic Outcome in Cardiac Arrest Survivors. <i>Critical Care Medicine</i> , <b>2020</b> , 48, 167-175	1.4	7
24	Initial electrical frequency predicts survival and neurological outcome in out of hospital cardiac arrest patients with pulseless electrical activity. <i>Resuscitation</i> , <b>2018</b> , 125, 34-38	4	7
23	Establishing a Rodent Model of Ventricular Fibrillation Cardiac Arrest With Graded Histologic and Neurologic Damage With Different Cardiac Arrest Durations. <i>Shock</i> , <b>2018</b> , 50, 219-225	3.4	7
22	Rapid induction of hypothermia with a small volume aortic flush during cardiac arrest in pigs. <i>American Journal of Emergency Medicine</i> , <b>2012</b> , 30, 643-50	2.9	7
21	The importance of surface area for the cooling efficacy of mild therapeutic hypothermia. <i>Resuscitation</i> , <b>2011</b> , 82, 74-8	4	7
20	Extracorporeal Life Support Increases Survival After Prolonged Ventricular Fibrillation Cardiac Arrest in the Rat. <i>Shock</i> , <b>2017</b> , 48, 674-680	3.4	6
19	Reduced long-term memory in a rat model of 8 minutes ventricular fibrillation cardiac arrest: a pilot trial. <i>BMC Veterinary Research</i> , <b>2016</b> , 12, 103	2.7	6
18	Reduction of Serious Adverse Events Demanding Study Exclusion in Model Development: Extracorporeal Life Support Resuscitation of Ventricular Fibrillation Cardiac Arrest in Rats. <i>Shock</i> , <b>2016</b> , 46, 704-712	3.4	5
17	Survival to hospital discharge with biphasic fixed 360 joules versus 200 escalating to 360 joules defibrillation strategies in out-of-hospital cardiac arrest of presumed cardiac etiology. <i>Resuscitation</i> , <b>2019</b> , 136, 112-118	4	4
16	The impact of cardiopulmonary resuscitation (CPR) manikin chest stiffness on motivation and CPR performance measures in children undergoing CPR training-A prospective, randomized, single-blind, controlled trial. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202430	3.7	4
15	Defibrillation success during different phases of the mechanical chest compression cycle. <i>Resuscitation</i> , <b>2016</b> , 103, 99-105	4	3

14	Observed survival benefit of mild therapeutic hypothermia reanalysing the Circulation Improving Resuscitation Care trial. <i>European Journal of Clinical Investigation</i> , <b>2017</b> , 47, 439-446	4.6	2
13	Activity of antimicrobial drugs against bacterial pathogens under mild hypothermic conditions. <i>American Journal of Emergency Medicine</i> , <b>2015</b> , 33, 1445-8	2.9	2
12	Gastric regurgitation predicts neurological outcome in out-of-hospital cardiac arrest survivors. <i>European Journal of Internal Medicine</i> , <b>2021</b> , 83, 54-57	3.9	2
11	Feasibility of profound hypothermia as part of extracorporeal life support in a pig model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 867-874	1.5	1
10	Prolonged Activated Partial Thromboplastin Time after Successful Resuscitation from Cardiac Arrest is Associated with Unfavorable Neurologic Outcome. <i>Thrombosis and Haemostasis</i> , <b>2021</b> , 121, 477-483	7	1
9	Motor Cortex and Hippocampus Display Decreased Heme Oxygenase Activity 2 Weeks After Ventricular Fibrillation Cardiac Arrest in Rats. <i>Frontiers in Medicine</i> , <b>2020</b> , 7, 513	4.9	1
8	Admission C-reactive protein concentrations are associated with unfavourable neurological outcome after out-of-hospital cardiac arrest. <i>Scientific Reports</i> , <b>2021</b> , 11, 10279	4.9	1
7	On detection of spontaneous pulse by photoplethysmography in cardiopulmonary resuscitation. <i>American Journal of Emergency Medicine</i> , <b>2020</b> , 38, 526-533	2.9	1
6	Change of Hemoglobin Levels in the Early Post-cardiac Arrest Phase Is Associated With Outcome. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 639803	4.9	0
5	Mild Therapeutic Hypothermia Alters Hemostasis in ST Elevation Myocardial Infarction Patients. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 707367	5.4	0
4	Prediction of Neurological Recovery After Cardiac Arrest Using Neurofilament Light Chain is Improved by a Proteomics-Based Multimarker Panel. <i>Neurocritical Care</i> , <b>2021</b> , 1	3.3	0
3	Initial Blood pH, Lactate and Base Deficit Add No Value to Peri-Arrest Factors in Prognostication of Neurological Outcome After Out-of-Hospital Cardiac Arrest. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 697906	4.9	0
2	The association of early diarrhea after successful resuscitation following out-of-hospital cardiac arrest with neurological outcome: A retrospective observational study. <i>Medicine (United States)</i> , <b>2021</b> , 100, e28164	1.8	0
1	Advanced life support in pediatric out-of-hospital cardiac arrest-A two-year review and critical appraisal of quality of care and clinical outcome in a European metropolitan area. <i>Resuscitation</i> , <b>2017</b> , 114, e21-e22	4	