Fritz Sterz

List of Publications by Year
in descending order

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107 papers	8,611 citations	101535 36 h-index	42393 92 g-index
110 all docs	110 docs citations	110 times ranked	5220 citing authors

#	Article	IF	Citations
1	Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports. Circulation, 2004, 110, 3385-3397.	1.6	1,563
2	Hypothermia for neuroprotection after cardiac arrest: Systematic review and individual patient data meta-analysis. Critical Care Medicine, 2005, 33, 414-418.	0.9	1,128
3	Cardiac arrest and cardiopulmonary resuscitation outcome reports: update and simplification of the Utstein templates for resuscitation registries.. Resuscitation, 2004, 63, 233-249.	3.0	714
4	Hyperthermia After Cardiac Arrest Is Associated With an Unfavorable Neurologic Outcome. Archives of Internal Medicine, 2001, 161, 2007.	3.8	398
5	Mild hypothermia cardiopulmonary resuscitation improves outcome after prolonged cardiac arrest in dogs. Critical Care Medicine, 1991, 19, 379-389.	0.9	363
6	Mild Cerebral Hypothermia during and after Cardiac Arrest Improves Neurologic Outcome in Dogs. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 57-70.	4.3	344
7	Mild Resuscitative Hypothermia to Improve Neurological Outcome After Cardiac Arrest. Stroke, 2000, 31, 86-94.	2.0	278
8	Manual vs. integrated automatic load-distributing band CPR with equal survival after out of hospital cardiac arrest. The randomized CIRC trial. Resuscitation, 2014, 85, 741-748.	3.0	261
9	Efficacy and Safety of Endovascular Cooling After Cardiac Arrest. Stroke, 2006, 37, 1792-1797.	2.0	239
10	Cold simple intravenous infusions preceding special endovascular cooling for faster induction of mild hypothermia after cardiac arrestâ€"a feasibility study. Resuscitation, 2005, 64, 347-351.	3.0	192
11	Emergency cardiopulmonary bypass for resuscitation from prolonged cardiac arrest. American Journal of Emergency Medicine, 1990, 8, 55-67.	1.6	162
12	Mild therapeutic hypothermia is associated with favourable outcome in patients after cardiac arrest with non-shockable rhythms. Resuscitation, 2011, 82, 1162-1167.	3.0	160
13	The formula for survival in resuscitation. Resuscitation, 2013, 84, 1487-1493.	3.0	160
14	AWAREâ€"AWAreness during REsuscitationâ€"A prospective study. Resuscitation, 2014, 85, 1799-1805.	3.0	157
15	Cold infusions alone are effective for induction of therapeutic hypothermia but do not keep patients cool after cardiac arrest. Resuscitation, 2007, 73, 46-53.	3.0	148
16	Feasibility and efficacy of a new non-invasive surface cooling device in post-resuscitation intensive care medicine. Resuscitation, 2007, 75, 76-81.	3.0	125
17	Relationship between time to target temperature and outcome in patients treated with therapeutic hypothermia after cardiac arrest. Critical Care, 2011, 15, R101.	5.8	120
18	Therapeutic hypothermia with a novel surface cooling device improves neurologic outcome after prolonged cardiac arrest in swine*. Critical Care Medicine, 2008, 36, 895-902.	0.9	87

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19	International variation in survival after out-of-hospital cardiac arrest: A validation study of the Utstein template. Resuscitation, 2019, 138, 168-181.	3.0	77
20	Therapeutic Deep Hypothermic Circulatory Arrest in Dogs. Journal of Trauma, 1990, 30, 836-847.	2.3	70
21	Extracorporeal venovenous cooling for induction of mild hypothermia in human-sized swine*. Critical Care Medicine, 2005, 33, 1346-1350.	0.9	67
22	The beneficial effect of mild therapeutic hypothermia depends on the time of complete circulatory standstill in patients with cardiac arrest. Resuscitation, 2012, 83, 596-601.	3.0	67
23	Out of hospital cardiac arrest in Vienna: Incidence and outcome. Resuscitation, 2013, 84, 42-47.	3.0	66
24	Apples to apples or apples to oranges? International variation in reporting of process and outcome of care for out-of-hospital cardiac arrest. Resuscitation, 2014, 85, 1599-1609.	3.0	63
25	The incidence of â€œload&goâ€•out-of-hospital cardiac arrest candidates for emergency department utilization of emergency extracorporeal life support: A one-year review. Resuscitation, 2015, 91, 131-136.	3.0	59
26	Acute renal failure after successful cardiopulmonary resuscitation. Intensive Care Medicine, 2001, 27, 1194-1199.	8.2	55
27	Admission of out-of-hospital cardiac arrest victims to a high volume cardiac arrest center is linked to improved outcome. Resuscitation, 2016, 106, 42-48.	3.0	54
28	A prediction tool for initial out-of-hospital cardiac arrest survivors. Resuscitation, 2014, 85, 1225-1231.	3.0	47
29	Design of the Circulation Improving Resuscitation Care (CIRC) Trial: A new state of the art design for out-of-hospital cardiac arrest research. Resuscitation, 2011, 82, 294-299.	3.0	46
30	Survivors of cardiac arrest with good neurological outcome show considerable impairments of memory functioning. Resuscitation, 2015, 88, 120-125.	3.0	46
31	Thoracic-impedance changes measured via defibrillator pads can monitor signs of circulation. Resuscitation, 2007, 73, 221-228.	3.0	44
32	Age-specific prognostication after out-of-hospital cardiac arrest â€“ The ethical dilemma between â€˜life-sustaining treatmentâ€™ and â€˜the right to dieâ€™ in the elderly. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 112-120.	1.0	44
33	Ischemia reperfusion injury as a modifiable therapeutic target for cardioprotection or neuroprotection in patients undergoing cardiopulmonary resuscitation. Resuscitation, 2016, 105, 85-91.	3.0	42
34	Emergency preservation and resuscitation improve survival after 15 minutes of normovolemic cardiac arrest in pigs *. Critical Care Medicine, 2007, 35, 2785-2791.	0.9	41
35	Non-invasive continuous cerebral temperature monitoring in patients treated with mild therapeutic hypothermia: An observational pilot study. Resuscitation, 2010, 81, 861-866.	3.0	41
36	Cardiac arrest in public locationsâ€”An independent predictor for better outcome?. Resuscitation, 2006, 70, 395-403.	3.0	40

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37	Mortality in patients resuscitated from out-of-hospital cardiac arrest based on automated blood cell count and neutrophil lymphocyte ratio at admission. Resuscitation, 2017, 116, 49-55.	3.0	37
38	Long-term cardiac arrest survivors of the Vienna emergency medical service. Resuscitation, 1998, 38, 137-143.	3.0	36
39	Endothelin-1 elevates regional cerebral perfusion during prolonged ventricular fibrillation cardiac arrest in pigs. Resuscitation, 2002, 55, 317-327.	3.0	36
40	Emergency cardio-pulmonary bypass in cardiac arrest: Seventeen years of experience. Resuscitation, 2013, 84, 326-330.	3.0	36
41	The strong ion gap and outcome after cardiac arrest in patients treated with therapeutic hypothermia: a retrospective study. Intensive Care Medicine, 2009, 35, 232-239.	8.2	33
42	Why do some studies find that CPR fraction is not a predictor of survival?. Resuscitation, 2016, 104, 59-62.	3.0	33
43	The impact of airway strategy on the patient outcome after out-of-hospital cardiac arrest: A propensity score matched analysis. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 423-431.	1.0	30
44	Mild therapeutic hypothermia improves outcomes compared with normothermia in cardiac-arrest patientsâ€"a retrospective chart review*. Critical Care Medicine, 2012, 40, 2315-2319.	0.9	29
45	Feasibility of the capnogram to monitor ventilation rate during cardiopulmonary resuscitation. Resuscitation, 2017, 110, 162-168.	3.0	29
46	Continuous versus intermittent neuromuscular blockade in patients during targeted temperature management after resuscitation from cardiac arrestâ€"A randomized, double blinded, double dummy, clinical trial. Resuscitation, 2017, 120, 14-19.	3.0	28
47	Out-of-hospital initiation of hypothermia in ST-segment elevation myocardial infarction: a randomised trial. Heart, 2019, 105, 531-537.	2.9	28
48	What change in outcomes after cardiac arrest is necessary to change practice? Results of an international survey. Resuscitation, 2016, 107, 115-120.	3.0	27
49	Emergency preservation and resuscitation improve survival after 15 minutes of normovolemic cardiac arrest in pigs*. Critical Care Medicine, 2007, 35, 2785-2791.	0.9	24
50	Global hypothermia for neuroprotection after cardiac arrest. Acute Cardiac Care, 2006, 8, 25-30.	0.2	23
51	Cold aortic flush and chest compressions enable good neurologic outcome after 15 mins of ventricular fibrillation in cardiac arrest in pigs*. Critical Care Medicine, 2010, 38, 1637-1643.	0.9	23
52	Neurologic Causes of Cardiac Arrest and Outcomes. Journal of Emergency Medicine, 2014, 47, 660-667.	0.7	23
53	Mechanical chest compression does not seem to improve outcome after out-of hospital cardiac arrest. A single center observational trial. Resuscitation, 2015, 96, 220-225.	3.0	23
54	Limits of conventional therapies after prolonged normovolemic cardiac arrest in swine. Resuscitation, 2008, 79, 133-138.	3.0	22

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55	Changes in interleukin-10 mRNA expression are predictive for 9-day survival of pigs in an emergency preservation and resuscitation model. Resuscitation, 2010, 81, 603-608.	3.0	21
56	Surface Cooling for Rapid Induction of Mild Hypothermia After Cardiac Arrest: Design Determines Efficacy. Academic Emergency Medicine, 2010, 17, 360-367.	1.8	21
57	Pre-shock chest compression pause effects on termination of ventricular fibrillation/tachycardia and return of organized rhythm within mechanical and manual cardiopulmonary resuscitation. Resuscitation, 2015, 93, 158-163.	3.0	21
58	Outcome of in- and out-of-hospital cardiac arrest survivors with liver cirrhosis. Annals of Intensive Care, 2017, 7, 103.	4.6	21
59	External cardiac defibrillation during wet-surface cooling in pigs. American Journal of Emergency Medicine, 2007, 25, 420-424.	1.6	20
60	Hypoxic liver injury after in- and out-of-hospital cardiac arrest: Risk factors and neurological outcome. Resuscitation, 2019, 137, 175-182.	3.0	19
61	Rapid induction of cerebral hypothermia by aortic flush during normovolemic cardiac arrest in pigs. Critical Care Medicine, 2006, 34, 1769-1774.	0.9	18
62	Temperature monitored on the cuff surface of an endotracheal tube reflects body temperature. Critical Care Medicine, 2010, 38, 1569-1573.	0.9	17
63	Resting energy expenditure and substrate oxidation rates correlate to temperature and outcome after cardiac arrest - a prospective observational cohort study. Critical Care, 2015, 19, 128.	5.8	17
64	Improvements in the quality of advanced life support and patient outcome after implementation of a standardized real-life post-resuscitation feedback system. Resuscitation, 2017, 120, 38-44.	3.0	17
65	Initial electrical frequency predicts survival and neurological outcome in out of hospital cardiac arrest patients with pulseless electrical activity. Resuscitation, 2018, 125, 34-38.	3.0	17
66	Proteomics-Enriched Prediction Model for Poor Neurologic Outcome in Cardiac Arrest Survivors*. Critical Care Medicine, 2020, 48, 167-175.	0.9	16
67	Quality of Post Arrest Care Does Not Differ by Time of Day at a Specialized Resuscitation Center. Medicine (United States), 2015, 94, e664.	1.0	15
68	Ageâ€dependent effect of targeted temperature management on outcome after cardiac arrest. European Journal of Clinical Investigation, 2018, 48, e13026.	3.4	15
69	Cardiac arrest caused by acute intoxicationâ€”insight from a registry. American Journal of Emergency Medicine, 2013, 31, 1443-1447.	1.6	14
70	â€œPush as Hard as You Canâ€•Instruction for Telephone Cardiopulmonary Resuscitation: A Randomized Simulation Study. Journal of Emergency Medicine, 2014, 46, 363-370.	0.7	14
71	Prehospital surface cooling is safe and can reduce time to target temperature after cardiac arrest. Resuscitation, 2015, 87, 51-56.	3.0	13
72	Editorâ€™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. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 3-12.	1.0	13

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73	The impact of cardiopulmonary resuscitation (CPR) manikin chest stiffness on motivation and CPR performance measures in children undergoing CPR trainingâ€"A prospective, randomized, single-blind, controlled trial. PLoS ONE, 2018, 13, e0202430.	2.5	13
74	Non-occlusive mesenteric ischaemia in out of hospital cardiac arrest survivors. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 450-458.	1.0	13
75	Microdialysis Assessment of Cerebral Perfusion during Cardiac Arrest, Extracorporeal Life Support and Cardiopulmonary Resuscitation in Rats â€“ A Pilot Trial. PLoS ONE, 2016, 11, e0155303.	2.5	13
76	Limited effect of mild therapeutic hypothermia on outcome after prolonged resuscitation. Resuscitation, 2016, 98, 15-19.	3.0	12
77	Post-resuscitation care at the emergency department with critical care facilities â€“ a length-of-stay analysis. Resuscitation, 2011, 82, 853-858.	3.0	10
78	New conventional long-term survival normovolemic cardiac arrest pig model. Resuscitation, 2011, 82, 90-96.	3.0	10
79	Establishing a Rodent Model of Ventricular Fibrillation Cardiac Arrest With Graded Histologic and Neurologic Damage With Different Cardiac Arrest Durations. Shock, 2018, 50, 219-225.	2.1	10
80	Outcome after resuscitation using controlled rapid extracorporeal cooling to a brain temperature of 30Â°C, 24Â°C and 18Â°C during cardiac arrest in pigs. Resuscitation, 2010, 81, 242-247.	3.0	9
81	Minimizing pre-shock chest compression pauses in a cardiopulmonary resuscitation cycle by performing an earlier rhythm analysis. Resuscitation, 2015, 87, 33-37.	3.0	9
82	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. Resuscitation, 2019, 136, 112-118.	3.0	9
83	The importance of surface area for the cooling efficacy of mild therapeutic hypothermia. Resuscitation, 2011, 82, 74-78.	3.0	8
84	Rapid induction of hypothermia with a small volume aortic flush during cardiac arrest in pigs. American Journal of Emergency Medicine, 2012, 30, 643-650.	1.6	8
85	The capability of professional- and lay-rescuers to estimate the chest compression-depth target: A short, randomized experiment. Resuscitation, 2015, 89, 137-141.	3.0	8
86	Reduced long-term memory in a rat model of 8Âminutes ventricular fibrillation cardiac arrest: a pilot trial. BMC Veterinary Research, 2016, 12, 103.	1.9	8
87	Extracorporeal Life Support Increases Survival After Prolonged Ventricular Fibrillation Cardiac Arrest in the Rat. Shock, 2017, 48, 674-680.	2.1	8
88	Reduction of Serious Adverse Events Demanding Study Exclusion in Model Development. Shock, 2016, 46, 704-712.	2.1	7
89	On detection of spontaneous pulse by photoplethysmography in cardiopulmonary resuscitation. American Journal of Emergency Medicine, 2020, 38, 526-533.	1.6	6
90	Change of Hemoglobin Levels in the Early Post-cardiac Arrest Phase Is Associated With Outcome. Frontiers in Medicine, 2021, 8, 639803.	2.6	6

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91	Defibrillation success during different phases of the mechanical chest compression cycle. Resuscitation, 2016, 103, 99-105.	3.0	5
92	Feasibility of profound hypothermia as part of extracorporeal life support in a pig model. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 867-874.	0.8	5
93	Prediction of Neurological Recovery After Cardiac Arrest Using Neurofilament Light Chain is Improved by a Proteomics-Based Multimarker Panel. Neurocritical Care, 2021, , 1.	2.4	5
94	Very long-term survivors of in-hospital and out-of-hospital cardiac arrest show considerable impairment of daily life. Resuscitation, 2022, 173, 192-200.	3.0	5
95	Gastric regurgitation predicts neurological outcome in out-of-hospital cardiac arrest survivors. European Journal of Internal Medicine, 2021, 83, 54-57.	2.2	4
96	Admission C-reactive protein concentrations are associated with unfavourable neurological outcome after out-of-hospital cardiac arrest. Scientific Reports, 2021, 11, 10279.	3.3	4
97	Prolonged Activated Partial Thromboplastin Time after Successful Resuscitation from Cardiac Arrest is Associated with Unfavorable Neurologic Outcome. Thrombosis and Haemostasis, 2021, 121, 477-483.	3.4	4
98	Observed survival benefit of mild therapeutic hypothermia reanalysing the Circulation Improving Resuscitation Care trial. European Journal of Clinical Investigation, 2017, 47, 439-446.	3.4	3
99	Motor Cortex and Hippocampus Display Decreased Heme Oxygenase Activity 2 Weeks After Ventricular Fibrillation Cardiac Arrest in Rats. Frontiers in Medicine, 2020, 7, 513.	2.6	3
100	Activity of antimicrobial drugs against bacterial pathogens under mild hypothermic conditions. American Journal of Emergency Medicine, 2015, 33, 1445-1448.	1.6	2
101	Using Thoracic Impedance for Identification of Return of Spontaneous Circulation during Resuscitation. , 2006, , .		1
102	Mild Therapeutic Hypothermia Alters Hemostasis in ST Elevation Myocardial Infarction Patients. Frontiers in Cardiovascular Medicine, 2021, 8, 707367.	2.4	1
103	Catalase Predicts In-Hospital Mortality after Out-of-Hospital Cardiac Arrest. Journal of Clinical Medicine, 2021, 10, 3906.	2.4	1
104	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. Frontiers in Medicine, 2021, 8, 697906.	2.6	1
105	Copeptin Levels Are Independent from Mild Therapeutic Hypothermia but Do Not Predict Infarct Size in Patients Presenting with ST-Segment Elevation Myocardial Infarction. Journal of Cardiovascular Development and Disease, 2021, 8, 131.	1.6	1
106	The association of early diarrhea after successful resuscitation following out-of-hospital cardiac arrest with neurological outcome. Medicine (United States), 2021, 100, e28164.	1.0	1
107	Advanced life support in pediatric out-of-hospital cardiac arrestâ€"A two-year review and critical appraisal of quality of care and clinical outcome in a European metropolitan area. Resuscitation, 2017, 114, e21-e22.	3.0	0