Stephan Marsch

List of Publications by Year
in descending order

84 papers	2,741 citations	201674 27 h-index	189892 50 g-index
85 all docs	85 docs citations	85 times ranked	2955 citing authors

#	Article	IF	Citations
1	Activation of the kynurenine pathway predicts mortality and neurological outcome in cardiac arrest patients: A validation study. Journal of Critical Care, 2022, 67, 57-65.	2.2	7
2	First-Response ABCDE Management of Status Epilepticus: A Prospective High-Fidelity Simulation Study. Journal of Clinical Medicine, 2022, 11, 435.	2.4	4
3	Seizures and risks for recurrence in critically ill patients: an observational cohort study. Journal of Neurology, 2022, 269, 4185-4194.	3.6	2
4	Impact of family presence during cardiopulmonary resuscitation on team performance and perceived task load: a prospective randomised simulator-based trial. BMJ Open, 2022, 12, e056798.	1.9	5
5	Nonâ€invasive evaluation of newâ€onset atrial fibrillation after cardiac surgery: a protocol for the BigMap study. ESC Heart Failure, 2022, , .	3.1	1
6	Long-term Survival After Out-of-Hospital Cardiac Arrest. JAMA Cardiology, 2022, 7, 633.	6.1	20
7	A beginnerâ€™s view of end of life care on German intensive care units. BMC Anesthesiology, 2022, 22, 151.	1.8	0
8	The Impact of Withdrawn vs. Agitated Relatives during Resuscitation on Team Workload: A Single-Center Randomised Simulation-Based Study. Journal of Clinical Medicine, 2022, 11, 3163.	2.4	2
9	Simulation-based randomized trial of medical emergency cognitive aids. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2022, 30, .	2.6	5
10	Delirium in Meningitis and Encephalitis: Emergence and Prediction in a 6-Year Cohort. Journal of Intensive Care Medicine, 2021, 36, 566-575.	2.8	6
11	Accuracy of Calculated Free Valproate Levels in Adult Patients With Status Epilepticus. Neurology, 2021, 96, e102-e110.	1.1	4
12	Does stress influence the performance of cardiopulmonary resuscitation? A narrative review of the literature. Journal of Critical Care, 2021, 63, 223-230.	2.2	25
13	Community-acquired and hospital-acquired respiratory tract infection and bloodstream infection in patients hospitalized with COVID-19 pneumonia. Journal of Intensive Care, 2021, 9, 10.	2.9	52
14	Serum neurofilament measurement improves clinical risk scores for outcome prediction after cardiac arrest: results of a prospective study. Critical Care, 2021, 25, 32.	5.8	16
15	Diagnostic Errors Induced by a Wrong a Priori Diagnosis: A Prospective Randomized Simulator-Based Trial. Journal of Clinical Medicine, 2021, 10, 826.	2.4	5
16	Diagnostic yield of cerebrospinal fluid analysis in status epilepticus: an 8-year cohort study. Journal of Neurology, 2021, 268, 3325-3336.	3.6	4
17	Automated Quantitative Pupillometry in the Critically Ill. Neurology, 2021, 97, e629-e642.	1.1	19
18	Safety and Efficacy of Coma Induction Following First-Line Treatment in Status Epilepticus. Neurology, 2021, 97, e564-e576.	1.1	19

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19	Prediction of Postictal Delirium Following Status Epilepticus in the ICU: First Insights of an Observational Cohort Study. Critical Care Medicine, 2021, 49, e1241-e1251.	0.9	11
20	Genderâ€focused training improves leadership of female medical students: A randomised trial. Medical Education, 2021, , .	2.1	5
21	Trimethylamine-N-oxide (TMAO) predicts short- and long-term mortality and poor neurological outcome in out-of-hospital cardiac arrest patients. Clinical Chemistry and Laboratory Medicine, 2021, 59, 393-402.	2.3	10
22	Prolonged mechanical ventilation in patients with terminated status epilepticus and outcome: An observational cohort study. Epilepsia, 2021, 62, 3042-3057.	5.1	9
23	Neuron-Specific Enolase (NSE) Predicts Long-Term Mortality in Adult Patients after Cardiac Arrest: Results from a Prospective Trial. Medicines (Basel, Switzerland), 2021, 8, 72.	1.4	9
24	U SO CAREâ€"The Impact of Cardiac Ultrasound during Cardiopulmonary Resuscitation: A Prospective Randomized Simulator-Based Trial. Journal of Clinical Medicine, 2021, 10, 5218.	2.4	9
25	More than experience: a post-task reflection intervention among team members enhances performance in student teams confronted with a simulated resuscitation taskâ€"a prospective randomised trial. BMJ Simulation and Technology Enhanced Learning, 2020, 6, 81-86.	0.7	3
26	Advance Directives in the Neurocritically Ill: A Systematic Review. Critical Care Medicine, 2020, 48, 1188-1195.	0.9	11
27	Acute Hemorrhagic Leukoencephalitis: A Case and Systematic Review of the Literature. Frontiers in Neurology, 2020, 11, 899.	2.4	37
28	Arginine and Arginine/ADMA Ratio Predict 90-Day Mortality in Patients with Out-of-Hospital Cardiac Arrestâ€"Results from the Prospective, Observational COMMUNICATE Trial. Journal of Clinical Medicine, 2020, 9, 3815.	2.4	4
29	Frequency and Implications of Complications in the ICU After Status Epilepticus: No Calm After the Storm*. Critical Care Medicine, 2020, 48, 1779-1789.	0.9	11
30	Hands-On Times, Adherence to Recommendations and Variance in Execution among Three Different CPR Algorithms: A Prospective Randomized Single-Blind Simulator-Based Trial. International Journal of Environmental Research and Public Health, 2020, 17, 7946.	2.6	1
31	Association of Taurine with In-Hospital Mortality in Patients after Out-of-Hospital Cardiac Arrest: Results from the Prospective, Observational COMMUNICATE Study. Journal of Clinical Medicine, 2020, 9, 1405.	2.4	11
32	Association of self-esteem, personality, stress and gender with performance of a resuscitation team: A simulation-based study. PLoS ONE, 2020, 15, e0233155.	2.5	9
33	Effects of Bag Mask Ventilation and Advanced Airway Management on Adherence to Ventilation Recommendations and Chest Compression Fraction: A Prospective Randomized Simulator-Based Trial. Journal of Clinical Medicine, 2020, 9, 2045.	2.4	6
34	Low Plasma Sphingomyelin Levels Show a Weak Association with Poor Neurological Outcome in Cardiac Arrest Patients: Results from the Prospective, Observational COMMUNICATE Trial. Journal of Clinical Medicine, 2020, 9, 897.	2.4	6
35	Association of acyl carnitines and mortality in out-of-hospital-cardiac-arrest patients: Results of a prospective observational study. Journal of Critical Care, 2020, 58, 20-26.	2.2	7
36	Predictors of infectious meningitis or encephalitis: the yield of cerebrospinal fluid in a cross-sectional study. BMC Infectious Diseases, 2020, 20, 304.	2.9	22

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37	SPHN/PHRT: Forming a Swiss-Wide Infrastructure for Data-Driven Sepsis Research. Studies in Health Technology and Informatics, 2020, 270, 1163-1167.	0.3	3
38	Neuron-specific enolase (NSE) improves clinical risk scores for prediction of neurological outcome and death in cardiac arrest patients: Results from a prospective trial. Resuscitation, 2019, 142, 50-60.	3.0	45
39	What to exclude when brain death is suspected. Journal of Critical Care, 2019, 53, 212-217.	2.2	7
40	Changes in End-of-Life Practices in European Intensive Care Units From 1999 to 2016. JAMA - Journal of the American Medical Association, 2019, 322, 1692.	7.4	144
41	Depression and anxiety in relatives of out-of-hospital cardiac arrest patients: Results of a prospective observational study. Journal of Critical Care, 2019, 51, 57-63.	2.2	27
42	Bone fractures from generalized convulsive seizures and status epilepticusâ€"A systematic review. Epilepsia, 2019, 60, 996-1004.	5.1	28
43	Letter in reply. Journal of Critical Care, 2019, 51, 223-224.	2.2	0
44	Untangling operational failures of the Status Epilepticus Severity Score (STESS). Neurology, 2019, 92, e1948-e1956.	1.1	21
45	ESBL-colonization at ICU admission: impact on subsequent infection, carbapenem-consumption, and outcome. Infection Control and Hospital Epidemiology, 2019, 40, 408-413.	1.8	36
46	Emergency management of status epilepticus in a high-fidelity simulation. Neurology, 2019, 93, 838-848.	1.1	12
47	Calorie Intake During Status Epilepticus and Outcome: A 5-Year Cohort Study. Critical Care Medicine, 2019, 47, 1106-1115.	0.9	9
48	Prolonged status epilepticus: Early recognition and prediction of full recovery in a 12â€year cohort. Epilepsia, 2019, 60, 42-52.	5.1	20
49	Illness severity scoring in status epilepticusâ€"When <scp>STESS</scp> meets <scp>APACHE II</scp>,<scp> SAPS II</scp>, and <scp>SOFA</scp>. Epilepsia, 2019, 60, 189-200.	5.1	23
50	High Mortality of Non-Fournier Necrotizing Fasciitis With Enterobacteriales: Time to Rethink Classification?. Clinical Infectious Diseases, 2019, 69, 147-150.	5.8	9
51	Performance of clinical risk scores to predict mortality and neurological outcome in cardiac arrest patients. Resuscitation, 2019, 136, 21-29.	3.0	38
52	Predicting team-performance and leadership in emergency situations by observing standardised operational procedures: a prospective single-blind simulator-based trial. BMJ Simulation and Technology Enhanced Learning, 2019, 5, 102-107.	0.7	0
53	Acute Systemic Complications of Convulsive Status Epilepticusâ€"A Systematic Review. Critical Care Medicine, 2018, 46, 138-145.	0.9	68
54	Associations between periodic social events and status epilepticusâ€"An 11â€year cohort study. Epilepsia, 2018, 59, 1381-1391.	5.1	1

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55	Acute Neurologic Complications During Extracorporeal Membrane Oxygenation: A Systematic Review. Critical Care Medicine, 2018, 46, 1506-1513.	0.9	105
56	Routine blood markers from different biological pathways improve early risk stratification in cardiac arrest patients: Results from the prospective, observational COMMUNICATE study. Resuscitation, 2018, 130, 138-145.	3.0	28
57	Effects of designated leadership and team-size on cardiopulmonary resuscitation: The Basel-Washington SIMulation (BaWaSim) trial. Journal of Critical Care, 2018, 48, 72-77.	2.2	8
58	Association of electrocardiogram alterations of rescuers and performance during a simulated cardiac arrest: A prospective simulation study. PLoS ONE, 2018, 13, e0198661.	2.5	6
59	Influence of Gender on the Performance of Cardiopulmonary Rescue Teams: A Randomized, Prospective Simulator Study. Critical Care Medicine, 2017, 45, 1184-1191.	0.9	45
60	Anesthetics and Outcome in Status Epilepticus: A Matched Two-Center Cohort Study. CNS Drugs, 2017, 31, 65-74.	5.9	52
61	Comparison of propofol and dexmedetomidine infused overnight to treat hyperactive and mixed ICU delirium: a protocol for the Basel ProDex clinical trial. BMJ Open, 2017, 7, e015783.	1.9	10
62	Emergency response to out-of-hospital status epilepticus. Neurology, 2017, 89, 376-384.	1.1	42
63	Oncological patients in the intensive care unit: prognosis, decision-making, therapies and end-of-life care. Swiss Medical Weekly, 2017, 147, w14481.	1.6	20
64	Intravenous Thrombolysis in Patients with Stroke Taking Rivaroxaban Using Drug Specific Plasma Levels: Experience with a Standard Operation Procedure in Clinical Practice. Journal of Stroke, 2017, 19, 347-355.	3.2	51
65	Reply to technical comment on: Biskup E, et al. Oncological patients in the intensive care unit: prognosis, decision-making, therapies and end-of-life care. Swiss Medical Weekly, 2017, 147, w14558.	1.6	0
66	Independent impact of infections on the course and outcome of status epilepticus: a 10-year cohort study. Journal of Neurology, 2016, 263, 1303-1313.	3.6	24
67	Risk factors for new-onset delirium in patients with bloodstream infections: independent and quantitative effect of catheters and drainagesâ€"a four-year cohort study. Annals of Intensive Care, 2016, 6, 104.	4.6	18
68	Two minutes CPR versus five cycles CPR prior to reanalysis of the cardiac rhythm: A prospective, randomized simulator-based trial. Resuscitation, 2015, 96, 142-147.	3.0	7
69	Procalcitonin and mortality in status epilepticus: an observational cohort study. Critical Care, 2015, 19, 361.	5.8	26
70	Anesthetic drugs in status epilepticus: Risk or rescue?. Neurology, 2014, 82, 656-664.	1.1	265
71	Prevalence and risk factors for post-traumatic stress disorder in relatives of out-of-hospital cardiac arrest patients. Resuscitation, 2014, 85, 801-808.	3.0	45
72	Acute-Phase Proteins and Mortality in Status Epilepticus. Critical Care Medicine, 2013, 41, 1526-1533.	0.9	43

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73	Mortality and recovery from refractory status epilepticus in the intensive care unit: A 7â€year observational study. Epilepsia, 2013, 54, 502-511.	5.1	135
74	Importance of leadership in cardiac arrest situations: from simulation to real life and back. Swiss Medical Weekly, 2013, 143, w13774.	1.6	29
75	ABC versus CAB for cardiopulmonary resuscitation: a prospective, randomized simulator-based trial. Swiss Medical Weekly, 2013, 143, w13856.	1.6	51
76	Associations between infections and clinical outcome parameters in status epilepticus: A retrospective 5â€year cohort study. Epilepsia, 2012, 53, 1489-1497.	5.1	63
77	Dynamics and association of different acute stress markers with performance during a simulated resuscitation. Resuscitation, 2012, 83, 572-578.	3.0	66
78	Teamwork and Leadership in Cardiopulmonary Resuscitation. Journal of the American College of Cardiology, 2011, 57, 2381-2388.	2.8	252
79	Acute phase proteins and white blood cell levels for prediction of infectious complications in status epilepticus. Critical Care, 2011, 15, R274.	5.8	18
80	Leadership in Medical Emergencies Depends on Gender and Personality. Simulation in Healthcare, 2011, 6, 78-83.	1.2	35
81	Continuous video-EEG monitoring increases detection rate of nonconvulsive status epilepticus in the ICU. Epilepsia, 2011, 52, 453-457.	5.1	93
82	Brief leadership instructions improve cardiopulmonary resuscitation in a high-fidelity simulation: A randomized controlled trial*. Critical Care Medicine, 2010, 38, 1086-1091.	0.9	218
83	Serum procalcitonin, Câ€reactive protein and white blood cell levels following hypothermia after cardiac arrest: a retrospective cohort study. European Journal of Clinical Investigation, 2010, 40, 376-381.	3.4	71
84	How Accurate Is Information Transmitted to Medical Professionals Joining a Medical Emergency? A Simulator Study. Human Factors, 2009, 51, 115-125.	3.5	47