

Simon Rauch

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

797
citations

687220

13
h-index

552653

26
g-index

50
all docs

50
docs citations

50
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-operative evaluation of adults undergoing elective noncardiac surgery. <i>European Journal of Anaesthesiology</i> , 2018, 35, 407-465.	0.7	268
2	Perioperative Hypothermiaâ€”A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8749.	1.2	46
3	Impact of three-dimensional transesophageal echocardiography on prosthesis sizing for transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2012, 80, 956-963.	0.7	37
4	Physician staffed helicopter emergency medical systems can provide advanced trauma life support in mountainous and remote areas. <i>Injury</i> , 2017, 48, 20-25.	0.7	30
5	Modulation of Hb-O ₂ affinity to improve hypoxemia in COVID-19 patients. <i>Clinical Nutrition</i> , 2021, 40, 38-39.	2.3	26
6	Pre-hospital times and clinical characteristics of severe trauma patients: A comparison between mountain and urban/suburban areas. <i>American Journal of Emergency Medicine</i> , 2018, 36, 1749-1753.	0.7	25
7	Hypothermic Cardiac Arrest With Full Neurologic Recovery After Approximately Nine Hours of Cardiopulmonary Resuscitation: Management and Possible Complications. <i>Annals of Emergency Medicine</i> , 2019, 73, 52-57.	0.3	25
8	Climbing Accidentsâ€”Prospective Data Analysis from the International Alpine Trauma Registry and Systematic Review of the Literature. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 203.	1.2	25
9	Advanced airway management in hoist and longline operations in mountain HEMS â€” considerations in austere environments: a narrative review This review is endorsed by the International Commission for Mountain Emergency Medicine (ICAR MEDCOM). <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 23.	1.1	23
10	Challenges of helicopter mountain rescue missions by human external cargo: need for physicians onsite and comprehensive training. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2019, 27, 17.	1.1	20
11	Effect of Wearing Personal Protective Equipment (PPE) on CPR Quality in Times of the COVID-19 Pandemicâ€”A Simulation, Randomised Crossover Trial. <i>Journal of Clinical Medicine</i> , 2021, 10, 1728.	1.0	19
12	BNT162b2 vaccination enhances interferon-JAK-STAT-regulated antiviral programs in COVID-19 patients infected with the SARS-CoV-2 Beta variant. <i>Communications Medicine</i> , 2022, 2, .	1.9	18
13	Lightning accidents in the Austrian alps â€” a 10-year retrospective nationwide analysis. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 74.	1.1	17
14	Rock Climbing Emergencies in the Austrian Alps: Injury Patterns, Risk Analysis and Preventive Measures. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7596.	1.2	15
15	Lung Ultrasound and Respiratory Pathophysiology in Mechanically Ventilated COVID-19 Patientsâ€”an Observational Trial. <i>SN Comprehensive Clinical Medicine</i> , 2020, 2, 1970-1977.	0.3	14
16	Endothelial function and shear stress in hypobaric hypoxia: time course and impact of plasma volume expansion in men. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H980-H994.	1.5	14
17	To compare the incomparable: COVID-19 pneumonia and high-altitude disease. <i>European Respiratory Journal</i> , 2020, 55, 2001362.	3.1	14
18	Frostbite Injuries in the Austrian Alps: A Retrospective 11-Year National Registry Study. <i>High Altitude Medicine and Biology</i> , 2018, 19, 316-320.	0.5	13

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19	Suspension syndrome: a potentially fatal vagally mediated circulatory collapse“an experimental randomized crossover trial. <i>European Journal of Applied Physiology</i> , 2019, 119, 1353-1365.	1.2	13
20	Incidence and challenges of helicopter emergency medical service (HEMS) rescue missions with helicopter hoist operations: analysis of 11,228 daytime and nighttime missions in Switzerland. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021, 29, 92.	1.1	13
21	Canyoning Accidents in Austria from 2005 to 2018. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 102.	1.2	12
22	Implementation of a mechanical CPR device in a physician staffed HEMS “ a prospective observational study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 36.	1.1	10
23	Mechanical chest compression devices in the helicopter emergency medical service in Switzerland. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2020, 28, 71.	1.1	8
24	Severe traumatic brain injury and hypotension is a frequent and lethal combination in multiple trauma patients in mountain areas “ an analysis of the prospective international Alpine Trauma Registry. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021, 29, 61.	1.1	8
25	Sudden Cardiac Arrest and Cardiopulmonary Resuscitation with Automated External Defibrillator in the Austrian Mountains: A Retrospective Study. <i>High Altitude Medicine and Biology</i> , 2019, 20, 392-398.	0.5	7
26	Can drones improve survival rates in mountain areas, providing automated external defibrillators?. <i>Resuscitation</i> , 2020, 146, 277-278.	1.3	7
27	Performance Determinants in Short (68 km) and Long (121 km) Mountain Ultra-Marathon Races. <i>Sportverletzung-Sportschaden</i> , 2020, 34, 79-83.	0.6	7
28	Cooling rate for triage decisions should exclude post-extrication cooling in avalanche victims. <i>Resuscitation</i> , 2015, 94, e3.	1.3	6
29	On-Site Medical Management of Avalanche Victims“ A Narrative Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10234.	1.2	6
30	Indoor accidental hypothermia in the elderly: an emerging lethal entity in the 21st century. <i>Emergency Medicine Journal</i> , 2018, 35, emermed-2018-207804.	0.4	5
31	The integration of prehospital standard operating procedures and in-hospital HOPE score for management of hypothermic patients in cardiac arrest. <i>Resuscitation</i> , 2019, 141, 212-213.	1.3	5
32	Guidelines for Mountain Rescue During the COVID-19 Pandemic: Official Guidelines of the International Commission for Alpine Rescue. <i>High Altitude Medicine and Biology</i> , 2021, 22, 128-141.	0.5	5
33	Reply - Letter to the editor - Nutritional interventions to modulate haemoglobin-oxygen affinity in COVID-19 patients. <i>Clinical Nutrition</i> , 2020, 39, 3842.	2.3	4
34	Plasma volume contraction reduces atrial natriuretic peptide after four days of hypobaric hypoxia exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R526-R531.	0.9	4
35	Right ventricular myopericarditis in COVID-19: a call for regular echocardiography. <i>Minerva Anestesiologica</i> , 2020, 86, 1253-1254.	0.6	4
36	Changes in Factors Regulating Serum Sodium Homeostasis During Two Ultra-Endurance Mountain Races of Different Distances: 69km vs. 121km. <i>Frontiers in Physiology</i> , 2021, 12, 764694.	1.3	4

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37	Avalanche survival depends on the time of day of the accident: A retrospective observational study. Resuscitation, 2022, 174, 47-52.	1.3	4
38	Venous Pooling in Suspension Syndrome Assessed with Ultrasound. Wilderness and Environmental Medicine, 2020, 31, 204-208.	0.4	3
39	Bioelectrical Impedance Vector Analysis: A Valuable Tool to Monitor Daily Body Hydration Dynamics at Altitude. International Journal of Environmental Research and Public Health, 2021, 18, 5455.	1.2	3
40	The importance of pre-hospital interventions for prevention and management of witnessed hypothermic cardiac arrest. Resuscitation, 2019, 140, 217-218.	1.3	2
41	Crevasse accidents in the Swiss Alps Epidemiology and mortality of 405 victims of crevasse accidents from 2010 to 2020. Injury, 2021, , .	0.7	2
42	COVID-19 Pandemic in Mountainous Areas: Impact, Mitigation Strategies, and New Technologies in Search and Rescue Operations. High Altitude Medicine and Biology, 2021, 22, 335-341.	0.5	2
43	Violet Code: From "Stay and Play" to the new concept "Stay Not Much and Run!" An ECLS OHCA pilot study by Helicopter Emergencies Medical Service. Resuscitation, 2018, 130, e4.	1.3	1
44	Feasibility of abiraterone acetate treatment in patients with metastatic castration-resistant prostate cancer and atrial fibrillation. Prostate International, 2016, 4, 54-55.	1.2	0
45	In reply:. Annals of Emergency Medicine, 2019, 74, 168.	0.3	0