

Hermann Brugger

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

6,700
citations

136885

32
h-index

66879

78
g-index

126
all docs

126
docs citations

126
times ranked

4389
citing authors

#	ARTICLE	IF	CITATIONS
1	European Resuscitation Council Guidelines for Resuscitation 2015. <i>Resuscitation</i> , 2015, 95, 1-80.	1.3	813
2	European Resuscitation Council Guidelines for Resuscitation 2015. <i>Resuscitation</i> , 2015, 95, 148-201.	1.3	696
3	European Resuscitation Council Guidelines for Resuscitation 2010 Section 8. Cardiac arrest in special circumstances: Electrolyte abnormalities, poisoning, drowning, accidental hypothermia, hyperthermia, asthma, anaphylaxis, cardiac surgery, trauma, pregnancy, electrocution. <i>Resuscitation</i> , 2010, 81, 1400-1433.	1.3	691
4	Accidental Hypothermia. <i>New England Journal of Medicine</i> , 2012, 367, 1930-1938.	13.9	475
5	European Resuscitation Council Guidelines 2021: Cardiac arrest in special circumstances. <i>Resuscitation</i> , 2021, 161, 152-219.	1.3	364
6	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.5	324
7	Accidental hypothermia—“an update. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2016, 24, 111.	1.1	212
8	Field management of avalanche victims. <i>Resuscitation</i> , 2001, 51, 7-15.	1.3	158
9	Resuscitation of avalanche victims: Evidence-based guidelines of the international commission for mountain emergency medicine (ICAR MEDCOM). <i>Resuscitation</i> , 2013, 84, 539-546.	1.3	149
10	The Medical On-site Treatment of Hypothermia: ICAR-MEDCOM Recommendation. <i>High Altitude Medicine and Biology</i> , 2003, 4, 99-103.	0.5	131
11	Clinical recommendations for high altitude exposure of individuals with pre-existing cardiovascular conditions. <i>European Heart Journal</i> , 2018, 39, 1546-1554.	1.0	131
12	Avalanche survival chances. <i>Nature</i> , 1994, 368, 21-21.	13.7	127
13	Full recovery of an avalanche victim with profound hypothermia and prolonged cardiac arrest treated by extracorporeal re-warming. <i>Resuscitation</i> , 2008, 76, 474-480.	1.3	117
14	LUCAS compared to manual cardiopulmonary resuscitation is more effective during helicopter rescue—a prospective, randomized, cross-over manikin study. <i>American Journal of Emergency Medicine</i> , 2013, 31, 384-389.	0.7	105
15	Comparison of avalanche survival patterns in Canada and Switzerland. <i>Cmaj</i> , 2011, 183, 789-795.	0.9	92
16	Hypoxia and hypercapnia during respiration into an artificial air pocket in snow: implications for avalanche survival. <i>Resuscitation</i> , 2003, 58, 81-88.	1.3	78
17	Wilderness Medical Society Practice Guidelines for the Out-of-Hospital Evaluation and Treatment of Accidental Hypothermia: 2014 Update. <i>Wilderness and Environmental Medicine</i> , 2014, 25, S66-S85.	0.4	78
18	Pre-Hospital Core Temperature Measurement in Accidental and Therapeutic Hypothermia. <i>High Altitude Medicine and Biology</i> , 2014, 15, 104-111.	0.5	76

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19	Prognostic factors in avalanche resuscitation: A systematic review. <i>Resuscitation</i> , 2010, 81, 645-652.	1.3	72
20	Delayed and intermittent CPR for severe accidental hypothermia. <i>Resuscitation</i> , 2015, 90, 46-49.	1.3	69
21	Lower Incidence of COVID-19 at High Altitude: Facts and Confounders. <i>High Altitude Medicine and Biology</i> , 2020, 21, 217-222.	0.5	68
22	Accidental Hypothermia: 2021 Update. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 501.	1.2	63
23	On-site triage of avalanche victims with asystole by the emergency doctor. <i>Resuscitation</i> , 1996, 31, 11-16.	1.3	62
24	The impact of avalanche rescue devices on survival. <i>Resuscitation</i> , 2007, 75, 476-483.	1.3	61
25	Wilderness Medical Society Practice Guidelines for Prevention and Management of Avalanche and Nonavalanche Snow Burial Accidents. <i>Wilderness and Environmental Medicine</i> , 2017, 28, 23-42.	0.4	60
26	Wilderness Medical Society Clinical Practice Guidelines for the Out-of-Hospital Evaluation and Treatment of Accidental Hypothermia: 2019 Update. <i>Wilderness and Environmental Medicine</i> , 2019, 30, S47-S69.	0.4	60
27	Pattern And Severity of Injury in Avalanche Victims. <i>High Altitude Medicine and Biology</i> , 2007, 8, 56-61.	0.5	59
28	Burial duration, depth and air pocket explain avalanche survival patterns in Austria and Switzerland. <i>Resuscitation</i> , 2016, 105, 173-176.	1.3	45
29	Clinical staging of accidental hypothermia: The Revised Swiss System. <i>Resuscitation</i> , 2021, 162, 182-187.	1.3	43
30	Is Extracorporeal Rewarming Indicated in Avalanche Victims with Unwitnessed Hypothermic Cardiorespiratory Arrest?. <i>High Altitude Medicine and Biology</i> , 2014, 15, 500-503.	0.5	42
31	On-Site Treatment of Avalanche Victims ICAR-MEDCOM-Recommendation. <i>High Altitude Medicine and Biology</i> , 2002, 3, 421-425.	0.5	37
32	The Impact of Avalanche Transceivers on Mortality from Avalanche Accidents. <i>High Altitude Medicine and Biology</i> , 2005, 6, 72-77.	0.5	37
33	Accidental hypothermia. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018, 157, 547-563.	1.0	34
34	Factors affecting survival from avalanche burial—A randomised prospective porcine pilot study. <i>Resuscitation</i> , 2013, 84, 239-243.	1.3	33
35	The effectiveness of avalanche airbags. <i>Resuscitation</i> , 2014, 85, 1197-1203.	1.3	33
36	Basic life support trained nurses ventilate more efficiently with laryngeal mask supreme than with facemask or laryngeal tube suction-disposable—A prospective, randomized clinical trial. <i>Resuscitation</i> , 2014, 85, 499-502.	1.3	31

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37	Management of Multi-Casualty Incidents in Mountain Rescue: Evidence-Based Guidelines of the International Commission for Mountain Emergency Medicine (ICAR MEDCOM). <i>High Altitude Medicine and Biology</i> , 2018, 19, 131-140.	0.5	31
38	Influence of low ambient temperature on epitympanic temperature measurement: a prospective randomized clinical study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2015, 23, 90.	1.1	30
39	Outcome of avalanche victims with out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2015, 89, 114-118.	1.3	30
40	The Avalanche Victim Resuscitation Checklist, a new concept for the management of avalanche victims. <i>Resuscitation</i> , 2015, 91, e7-e8.	1.3	30
41	Defibrillation in rural areas. <i>American Journal of Emergency Medicine</i> , 2014, 32, 1408-1412.	0.7	29
42	Cut-off values of serum potassium and core temperature at hospital admission for extracorporeal rewarming of avalanche victims in cardiac arrest: A retrospective multi-centre study. <i>Resuscitation</i> , 2019, 139, 222-229.	1.3	27
43	Effects of Climate Change on Avalanche Accidents and Survival. <i>Frontiers in Physiology</i> , 2021, 12, 639433.	1.3	27
44	Long-Term Sequelae of Frostbite—A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9655.	1.2	27
45	Effects of snow properties on humans breathing into an artificial air pocket – an experimental field study. <i>Scientific Reports</i> , 2017, 7, 17675.	1.6	26
46	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
47	Transcription Factors Regulation in Human Peripheral White Blood Cells during Hypobaric Hypoxia Exposure: an in-vivo experimental study. <i>Scientific Reports</i> , 2019, 9, 9901.	1.6	25
48	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
49	Hypothermia-Associated Coagulopathy: A Comparison of Viscoelastic Monitoring, Platelet Function, and Real Time Live Confocal Microscopy at Low Blood Temperatures, an in vitro Experimental Study. <i>Frontiers in Physiology</i> , 2020, 11, 843.	1.3	25
50	Non-extracorporeal rewarming at a rate of 6.8°C per hour in a deeply hypothermic arrested patient. <i>Resuscitation</i> , 2014, 85, e119-e120.	1.3	24
51	Isolated psychosis during exposure to very high and extreme altitude – characterisation of a new medical entity. <i>Psychological Medicine</i> , 2018, 48, 1872-1879.	2.7	24
52	Extracorporeal Life Support in Accidental Hypothermia with Cardiac Arrest—A Narrative Review. <i>ASAIO Journal</i> , 2022, 68, 153-162.	0.9	24
53	Avalanche Victim Resuscitation Checklist adaption to the 2015 ERC Resuscitation guidelines. <i>Resuscitation</i> , 2017, 113, e3-e4.	1.3	23
54	Rescue Missions for Totally Buried Avalanche Victims: Conclusions from 12 Years of Experience. <i>High Altitude Medicine and Biology</i> , 2008, 9, 229-233.	0.5	22

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55	Electrical Heart Activity Recorded During Prolonged Avalanche Burial. <i>Circulation</i> , 2012, 125, 646-647.	1.6	22
56	Severe Hypothermia Management in Mountain Rescue: A Survey Study. <i>High Altitude Medicine and Biology</i> , 2017, 18, 411-416.	0.5	22
57	Avalanche Survival After Rescue With the RECCO Rescue System: A Case Report. <i>Wilderness and Environmental Medicine</i> , 2016, 27, 282-286.	0.4	19
58	The STAR Data Reporting Guidelines for Clinical High Altitude Research. <i>High Altitude Medicine and Biology</i> , 2018, 19, 7-14.	0.5	18
59	Hypoxia and hypercapnia effects on cerebral oxygen saturation in avalanche burial: A pilot human experimental study. <i>Resuscitation</i> , 2021, 158, 175-182.	1.3	18
60	A Prospective Evaluation of the Acute Effects of High Altitude on Cognitive and Physiological Functions in Lowlanders. <i>Frontiers in Physiology</i> , 2021, 12, 670278.	1.3	18
61	Prehospital management and outcome of avalanche patients with out-of-hospital cardiac arrest: a retrospective study in Tyrol, Austria. <i>European Journal of Emergency Medicine</i> , 2017, 24, 398-403.	0.5	17
62	Lightning accidents in the Austrian alps – a 10-year retrospective nationwide analysis. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 74.	1.1	17
63	Extreme Cooling Rates in Avalanche Victims: Case Report and Narrative Review. <i>High Altitude Medicine and Biology</i> , 2021, 22, 235-240.	0.5	17
64	Accidental hypothermia in recreational activities in the mountains: A narrative review. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2464-2472.	1.3	16
65	Causes of Death From Avalanche. <i>Wilderness and Environmental Medicine</i> , 2009, 20, 93-96.	0.4	15
66	On-Site Treatment of Snow Avalanche Victims: From Bench to Mountainside. <i>High Altitude Medicine and Biology</i> , 2018, 19, 307-315.	0.5	14
67	To compare the incomparable: COVID-19 pneumonia and high-altitude disease. <i>European Respiratory Journal</i> , 2020, 55, 2001362.	3.1	14
68	Correlation between avalanche emergencies and avalanche danger forecast in the alpine region of Tyrol. <i>European Journal of Emergency Medicine</i> , 2008, 15, 43-47.	0.5	13
69	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
70	Drone delivery of AED's and personal protective equipment in the era of SARS-CoV-2. <i>Resuscitation</i> , 2020, 152, 1-2.	1.3	12
71	Cerebral Autoregulation Is Impaired During Deep Hypothermia – A Porcine Multimodal Neuromonitoring Study. <i>Therapeutic Hypothermia and Temperature Management</i> , 2020, 10, 122-127.	0.3	11
72	Prevention of Hypothermia in the Aftermath of Natural Disasters in Areas at Risk of Avalanches, Earthquakes, Tsunamis and Floods. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1098.	1.2	11

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73	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
74	Going to Altitude with a Preexisting Psychiatric Condition. <i>High Altitude Medicine and Biology</i> , 2019, 20, 207-214.	0.5	9
75	Extrication Times During Avalanche Companion Rescue: A Randomized Single-Blinded Manikin Study. <i>High Altitude Medicine and Biology</i> , 2019, 20, 245-250.	0.5	8
76	Letter to the Editor: COVID-19 Lung Injury Is Different From High Altitude Pulmonary Edema. <i>High Altitude Medicine and Biology</i> , 2020, 21, 204-205.	0.5	8
77	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
78	Risk Assessment and Emergency Management of Coronary Heart Disease at Altitude. <i>High Altitude Medicine and Biology</i> , 2011, 12, 97-98.	0.5	7
79	Knowledge of the Avalanche Victim Resuscitation Checklist and Utility of a Standardized Lecture in Italy. <i>Wilderness and Environmental Medicine</i> , 2018, 29, 56-60.	0.4	7
80	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
81	Can drones improve survival rates in mountain areas, providing automated external defibrillators?. <i>Resuscitation</i> , 2020, 146, 277-278.	1.3	7
82	Effects of hypothermia, hypoxia, and hypercapnia on brain oxygenation and hemodynamic parameters during simulated avalanche burial: a porcine study. <i>Journal of Applied Physiology</i> , 2021, 130, 237-244.	1.2	7
83	Effect of Acute Exposure to Altitude on the Quality of Chest Compression – Only Cardiopulmonary Resuscitation in Helicopter Emergency Medical Services Personnel: A Randomized, Controlled, Single-Blind Crossover Trial. <i>Journal of the American Heart Association</i> , 2021, 10, e021090.	1.6	7
84	Hypothermia Induced Impairment of Platelets: Assessment With Multiplate vs. ROTEM – An In Vitro Study. <i>Frontiers in Physiology</i> , 2022, 13, 852182.	1.3	7
85	Cooling rate for triage decisions should exclude post-extrication cooling in avalanche victims. <i>Resuscitation</i> , 2015, 94, e3.	1.3	6
86	Total Body Water Dynamics Estimated with Bioelectrical Impedance Vector Analysis and B-Type Natriuretic Peptide After Exposure to Hypobaric Hypoxia: A Field Study. <i>High Altitude Medicine and Biology</i> , 2017, 18, 384-391.	0.5	6
87	Research in High-Altitude and Mountain Emergency Medicine: Is Methodology Key?. <i>High Altitude Medicine and Biology</i> , 2018, 19, 1-3.	0.5	6
88	In mountain and rural areas all CPR providers should perform chest compressions and rescue breaths for patients in cardiac arrest. <i>Resuscitation</i> , 2018, 127, e5.	1.3	6
89	High-throughput determination of oxygen dissociation curves in a microplate reader – A novel, quantitative approach. <i>Physiological Reports</i> , 2021, 9, e14995.	0.7	6
90	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

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91	CPR with restricted patient access using alternative rescuer positions: a randomised cross-over manikin study simulating the CPR scenario after avalanche burial. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2021, 29, 129.	1.1	6
92	Hypothermia Evidence, Afterdrop, and Guidelines. <i>Wilderness and Environmental Medicine</i> , 2015, 26, 439-441.	0.4	5
93	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
94	Aviation Sports Crashes in the Austrian Mountains: A 10-Year Retrospective Study. <i>Wilderness and Environmental Medicine</i> , 2020, 31, 165-173.	0.4	5
95	Assessment of Psychotic Symptoms in Individuals Exposed to Very High or Extreme Altitude: A Field Study. <i>High Altitude Medicine and Biology</i> , 2021, 22, 369-378.	0.5	5
96	Triage and survival of avalanche victims with out-of-hospital cardiac arrest in Austria between 1987 and 2009. <i>Resuscitation</i> , 2012, 83, e81.	1.3	4
97	Low incidence of avalanche victims in cardiac arrest calls for multi-centre studies and registries for the validation of resuscitation guidelines. <i>Resuscitation</i> , 2019, 144, 195-196.	1.3	4
98	Induced Hypothermia to 4.2°C with Neurologically Intact Survival: A Forgotten Case Series. <i>Wilderness and Environmental Medicine</i> , 2020, 31, 367-370.	0.4	4
99	Reconsidering the air pocket around mouth and nose as a positive outcome predictor in completely buried avalanche victims. <i>Resuscitation</i> , 2020, 152, 208-209.	1.3	4
100	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
101	Induced Hypothermia as Cold as 3°C in Humans: Forgotten Cases Rediscovered. <i>High Altitude Medicine and Biology</i> , 2022, 23, 105-113.	0.5	4
102	Effects of Carbon Dioxide and Temperature on the Oxygen-Hemoglobin Dissociation Curve of Human Blood: Implications for Avalanche Victims. <i>Frontiers in Medicine</i> , 2021, 8, 808025.	1.2	4
103	Avalanche survival depends on the time of day of the accident: A retrospective observational study. <i>Resuscitation</i> , 2022, 174, 47-52.	1.3	4
104	Does a higher ROSC-rate with mechanical CPR lead to better survival in helicopter rescue?. <i>Resuscitation</i> , 2014, 85, e13.	1.3	3
105	Venous Pooling in Suspension Syndrome Assessed with Ultrasound. <i>Wilderness and Environmental Medicine</i> , 2020, 31, 204-208.	0.4	3
106	Bioelectrical Impedance Vector Analysis: A Valuable Tool to Monitor Daily Body Hydration Dynamics at Altitude. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5455.	1.2	3
107	Simulated Acute Hypobaric Hypoxia Effects on Cognition in Helicopter Emergency Medical Service Personnel – A Randomized, Controlled, Single-Blind, Crossover Trial. <i>Human Factors</i> , 2024, 66, 404-423.	2.1	3
108	Does untreated post-cardiac-arrest fever counteract the benefit of therapeutic hypothermia?. <i>Resuscitation</i> , 2013, 84, 1650-1651.	1.3	2

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109	Reported Resuscitation of a Hypothermic Avalanche Victim With Assisted Ventilation in 1939. <i>Wilderness and Environmental Medicine</i> , 2018, 29, 275-277.	0.4	2
110	The Use of E-Learning in Medical Education for Mountain Rescuers Concerning Hypothermia. <i>High Altitude Medicine and Biology</i> , 2018, 19, 272-277.	0.5	2
111	COVID-19 Pandemic in Mountainous Areas: Impact, Mitigation Strategies, and New Technologies in Search and Rescue Operations. <i>High Altitude Medicine and Biology</i> , 2021, 22, 335-341.	0.5	2
112	Development of a Self-Administered Questionnaire to Detect Psychosis at High Altitude: The HAPSY Questionnaire. <i>High Altitude Medicine and Biology</i> , 2019, 20, 352-360.	0.5	1
113	Data and methods to calculate cut-off values for serum potassium and core temperature at hospital admission for extracorporeal rewarming of avalanche victims in cardiac arrest. <i>Data in Brief</i> , 2020, 28, 104913.	0.5	1
114	Efficacy of warming systems in mountain rescue: an experimental manikin study. <i>International Journal of Biometeorology</i> , 2020, 64, 2161-2169.	1.3	1
115	Reply to: Revised Swiss System for clinical staging of accidental hypothermia – “At which core temperatures are patients at high risk of cardiac arrest?”. <i>Resuscitation</i> , 2021, 165, 186-187.	1.3	1
116	Is there any reason for prone cardiopulmonary resuscitation in avalanche victims?. <i>Resuscitation</i> , 2021, 167, 198-199.	1.3	1
117	Are mobile ECMO teams necessary to treat severe accidental hypothermia?. <i>Resuscitation</i> , 2021, 158, 301-302.	1.3	1
118	Low Ambient Temperature Exposition Impairs the Accuracy of a Non-invasive Heat-Flux Thermometer. <i>Frontiers in Physiology</i> , 2022, 13, 830059.	1.3	1
119	In Reply to Drs Pasquier, Gnaegi, and Hugli. <i>Wilderness and Environmental Medicine</i> , 2016, 27, 534.	0.4	0
120	About Autoresuscitation in Accidental Hypothermia. <i>American Journal of Medicine</i> , 2018, 131, e479.	0.6	0
121	In reply:. <i>Annals of Emergency Medicine</i> , 2019, 74, 168.	0.3	0
122	In Reply to Lorenzati et al. <i>Wilderness and Environmental Medicine</i> , 2019, 30, 103-104.	0.4	0
123	Intercultural Competence of Western Teachers for Nepalese Rescuers. <i>High Altitude Medicine and Biology</i> , 2019, 20, 22-27.	0.5	0
124	Reply to letter: Adaptation to the 2017 ICAR MEDCOM Avalanche Victim Resuscitation Checklist. <i>Resuscitation</i> , 2021, 160, 66-67.	1.3	0
125	Resuscitation of an Unconscious Victim of Accidental Hypothermia in 1805. <i>Wilderness and Environmental Medicine</i> , 2021, 32, 548-553.	0.4	0