

Steffen Weber-Carstens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1151405/publications.pdf>

Version: 2024-02-01

110
papers

6,784
citations

101384

36
h-index

64668

79
g-index

129
all docs

129
docs citations

129
times ranked

7468
citing authors

#	ARTICLE	IF	CITATIONS
1	Case characteristics, resource use, and outcomes of 10â€™21 patients with COVID-19 admitted to 920 German hospitals: an observational study. <i>Lancet Respiratory Medicine</i> , 2020, 8, 853-862.	5.2	628
2	Nonexcitable muscle membrane predicts intensive care unit-acquired paresis in mechanically ventilated, sedated patients*. <i>Critical Care Medicine</i> , 2009, 37, 2632-2637.	0.4	590
3	Immunologic and Hemodynamic Effects of â€™Low-Doseâ€™Hydrocortisone in Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 512-520.	2.5	562
4	Granulocyteâ€™Macrophage Colony-stimulating Factor to Reverse Sepsis-associated Immunosuppression. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 640-648.	2.5	540
5	Lower tidal volume strategy (â€™3Âml/kg) combined with extracorporeal CO2 removal versus â€™conventionalâ€™ protective ventilation (6Âml/kg) in severe ARDS. <i>Intensive Care Medicine</i> , 2013, 39, 847-856.	3.9	474
6	Intensive care unitâ€™acquired weakness (ICUAW) and muscle wasting in critically ill patients with severe sepsis and septic shock. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2010, 1, 147-157.	2.9	189
7	Critical illness polyneuropathy and myopathy in patients with acute respiratory distress syndrome*. <i>Critical Care Medicine</i> , 2005, 33, 711-715.	0.4	184
8	Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis. <i>Intensive Care Medicine</i> , 2016, 42, 1672-1684.	3.9	176
9	Propagation of cortical spreading depolarization in the human cortex after malignant stroke. <i>Neurology</i> , 2013, 80, 1095-1102.	1.5	164
10	Social support during intensive care unit stay might improve mental impairment and consequently health-related quality of life in survivors of severe acute respiratory distress syndrome. <i>Critical Care</i> , 2006, 10, R147.	2.5	126
11	Long-term outcomes after critical illness: recent insights. <i>Critical Care</i> , 2021, 25, 108.	2.5	118
12	Dynamics of myosin degradation in intensive care unit-acquired weakness during severe critical illness. <i>Intensive Care Medicine</i> , 2014, 40, 528-538.	3.9	108
13	Critical illness myopathy is frequent: accompanying neuropathy protracts ICU discharge. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 287-293.	0.9	105
14	Risk factors in critical illness myopathy during the early course of critical illness: a prospective observational study. <i>Critical Care</i> , 2010, 14, R119.	2.5	100
15	Critical Illness Myopathy and GLUT4. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 387-396.	2.5	97
16	Long-term outcome after the acute respiratory distress syndrome: different from general critical illness?. <i>Current Opinion in Critical Care</i> , 2018, 24, 35-40.	1.6	82
17	Longâ€™term recovery In critical illness myopathy is complete, contrary to polyneuropathy. <i>Muscle and Nerve</i> , 2014, 50, 431-436.	1.0	79
18	Studying the pathophysiology of coronavirus disease 2019: a protocol for the Berlin prospective COVID-19 patient cohort (Pa-COVID-19). <i>Infection</i> , 2020, 48, 619-626.	2.3	79

#	ARTICLE	IF	CITATIONS
19	Muscular weakness and muscle wasting in the critically ill. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1399-1412.	2.9	72
20	Clinical Requirements of Future Patient Monitoring in the Intensive Care Unit: Qualitative Study. <i>JMIR Medical Informatics</i> , 2019, 7, e13064.	1.3	71
21	Inflammation-Induced Acute Phase Response in Skeletal Muscle and Critical Illness Myopathy. <i>PLoS ONE</i> , 2014, 9, e92048.	1.1	70
22	Early type II fiber atrophy in intensive care unit patients with nonexcitable muscle membrane. <i>Critical Care Medicine</i> , 2012, 40, 647-650.	0.4	67
23	6-month mortality and readmissions of hospitalized COVID-19 patients: A nationwide cohort study of 8,679 patients in Germany. <i>PLoS ONE</i> , 2021, 16, e0255427.	1.1	65
24	Sepsis induces interleukin 6, gp130/JAK2/STAT3, and muscle wasting. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 713-727.	2.9	59
25	Muscle wasting and function after muscle activation and early protocol-based physiotherapy: an explorative trial. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 734-747.	2.9	57
26	High In-Hospital Mortality Rate in Patients with COVID-19 Receiving Extracorporeal Membrane Oxygenation in Germany: A Critical Analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 991-994.	2.5	52
27	Complete countrywide mortality in COVID patients receiving ECMO in Germany throughout the first three waves of the pandemic. <i>Critical Care</i> , 2021, 25, 413.	2.5	51
28	Instruments to measure outcomes of post-intensive care syndrome in outpatient care settings – Results of an expert consensus and feasibility field test. <i>Journal of the Intensive Care Society</i> , 2021, 22, 159-174.	1.1	50
29	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , 2020, 28, 100579.	3.2	49
30	Impact of bolus application of low-dose hydrocortisone on glycemic control in septic shock patients. <i>Intensive Care Medicine</i> , 2007, 33, 730-733.	3.9	47
31	Efficacy and safety of argatroban in patients with acute respiratory distress syndrome and extracorporeal lung support. <i>Annals of Intensive Care</i> , 2017, 7, 82.	2.2	47
32	Innovative ICU Solutions to Prevent and Reduce Delirium and Post-Intensive Care Unit Syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019, 40, 673-686.	0.8	45
33	Mechanical Ventilation and Extracorporeal Membrane Oxygenation in Acute Respiratory Insufficiency. <i>Deutsches A&#x0308;rztblatt International</i> , 2018, 115, 840-847.	0.6	44
34	Influenza A (H1N1) vs non-H1N1 ARDS: Analysis of clinical course. <i>Journal of Critical Care</i> , 2014, 29, 340-346.	1.0	42
35	Prone Position during ECMO is Safe and Improves Oxygenation. <i>International Journal of Artificial Organs</i> , 2013, 36, 821-832.	0.7	40
36	Serum amyloid A1 mediates myotube atrophy via Toll-like receptors. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 103-119.	2.9	40

#	ARTICLE	IF	CITATIONS
37	Invasive and Non-Invasive Ventilation in Patients With COVID-19. <i>Deutsches A&#x0308;rzteblatt International</i> , 2020, 117, 528-533.	0.6	40
38	Measuring Energy Expenditure in extracorporeal lung support Patients (MEEP) â€“ Protocol, feasibility and pilot trial. <i>Clinical Nutrition</i> , 2018, 37, 301-307.	2.3	39
39	Evidence-based Therapy of Severe Acute Respiratory Distress Syndrome: An Algorithm-guided Approach. <i>Journal of International Medical Research</i> , 2008, 36, 211-221.	0.4	37
40	Addition of Acetylsalicylic Acid to Heparin for Anticoagulation Management During Pumpless Extracorporeal Lung Assist. <i>ASAIO Journal</i> , 2011, 57, 164-168.	0.9	36
41	Whole-body vibration to prevent intensive care unit-acquired weakness: safety, feasibility, and metabolic response. <i>Critical Care</i> , 2017, 21, 9.	2.5	36
42	Clinical Guideline for Treating Acute Respiratory Insufficiency with Invasive Ventilation and Extracorporeal Membrane Oxygenation: Evidence-Based Recommendations for Choosing Modes and Setting Parameters of Mechanical Ventilation. <i>Respiration</i> , 2019, 98, 357-372.	1.2	33
43	Severe infections of Panton-Valentine leukocidin positive <i>Staphylococcus aureus</i> in children. <i>Medicine (United States)</i> , 2019, 98, e17185.	0.4	33
44	Extracorporeal Lung Support in H1N1 Provoked Acute Respiratory Failure. <i>Deutsches A&#x0308;rzteblatt International</i> , 2013, 110, 543-9.	0.6	33
45	Prone positioning for ARDS following blunt chest trauma in late pregnancy. <i>International Journal of Obstetric Anesthesia</i> , 2009, 18, 268-271.	0.2	32
46	Nucleated red blood cells as predictors of mortality in patients with acute respiratory distress syndrome (ARDS): an observational study. <i>Annals of Intensive Care</i> , 2018, 8, 42.	2.2	32
47	Key summary of German national treatment guidance for hospitalized COVID-19 patients. <i>Infection</i> , 2022, 50, 93-106.	2.3	30
48	The E3 ubiquitin ligase TRIM62 and inflammation-induced skeletal muscle atrophy. <i>Critical Care</i> , 2014, 18, 545.	2.5	29
49	Predictors of survival in critically ill patients with acute respiratory distress syndrome (ARDS): an observational study. <i>BMC Anesthesiology</i> , 2016, 16, 108.	0.7	29
50	Gastrointestinal zygomycosis caused by <i>Mucor indicus</i> in a patient with acute traumatic brain injury. <i>Medical Mycology</i> , 2006, 44, 683-687.	0.3	28
51	Outcome of acute respiratory distress syndrome in university and non-university hospitals in Germany. <i>Critical Care</i> , 2017, 21, 122.	2.5	28
52	Accuracy, reliability, feasibility and nurse acceptance of a subcutaneous continuous glucose management system in critically ill patients: a prospective clinical trial. <i>Annals of Intensive Care</i> , 2016, 6, 70.	2.2	27
53	Bronchial fistulae in ARDS patients: management with an extracorporeal lung assist device. <i>European Respiratory Journal</i> , 2008, 32, 1652-1655.	3.1	26
54	Hyperactive Delirium and Blood Glucose Control in Critically Ill Patients. <i>Journal of International Medical Research</i> , 2007, 35, 666-677.	0.4	25

#	ARTICLE	IF	CITATIONS
55	Hypercapnia in late-phase ALI/ARDS: providing spontaneous breathing using pumpless extracorporeal lung assist. <i>Intensive Care Medicine</i> , 2009, 35, 1100-5.	3.9	24
56	Prolonged Weaning: S2k Guideline Published by the German Respiratory Society. <i>Respiration</i> , 2020, 99, 982-1084.	1.2	24
57	Secreted Frizzled-Related Protein 2 and Inflammation-Induced Skeletal Muscle Atrophy. <i>Critical Care Medicine</i> , 2017, 45, e169-e183.	0.4	23
58	Monitoring and parenteral administration of micronutrients, phosphate and magnesium in critically ill patients: The VITA-TRACE survey. <i>Clinical Nutrition</i> , 2021, 40, 590-599.	2.3	23
59	Weaning from mechanical ventilation and sedation. <i>Current Opinion in Anaesthesiology</i> , 2012, 25, 164-169.	0.9	22
60	S2k-Guideline "Prolonged Weaning". <i>Pneumologie</i> , 2015, 69, 595-607.	0.1	22
61	Differential contractile response of critically ill patients to neuromuscular electrical stimulation. <i>Critical Care</i> , 2019, 23, 308.	2.5	22
62	Critical Illness and Systemic Inflammation Are Key Risk Factors of Severe Acute Kidney Injury in Patients With COVID-19. <i>Kidney International Reports</i> , 2021, 6, 905-915.	0.4	22
63	Critical illness polyneuropathy in ICU patients is related to reduced motor nerve excitability caused by reduced sodium permeability. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 10.	0.9	21
64	Observational study of changes in utilization and outcomes in mechanical ventilation in COVID-19. <i>PLoS ONE</i> , 2022, 17, e0262315.	1.1	21
65	Quality of inter-hospital transportation in 431 transport survivor patients suffering from acute respiratory distress syndrome referred to specialist centers. <i>Annals of Intensive Care</i> , 2018, 8, 5.	2.2	19
66	Acute respiratory failure after aspiration of activated charcoal with recurrent deposition and release from an intrapulmonary cavern. <i>Intensive Care Medicine</i> , 2009, 35, 360-363.	3.9	18
67	Influence of quality of care and individual patient characteristics on quality of life and return to work in survivors of the acute respiratory distress syndrome: protocol for a prospective, observational, multi-centre patient cohort study (DACAPO). <i>BMC Health Services Research</i> , 2015, 15, 563.	0.9	18
68	Influence of quality of intensive care on quality of life/return to work in survivors of the acute respiratory distress syndrome: prospective observational patient cohort study (DACAPO). <i>BMC Public Health</i> , 2020, 20, 861.	1.2	18
69	Collapse induration of alveoli is an ultrastructural finding in a COVID-19 patient. <i>European Respiratory Journal</i> , 2021, 57, 2004165.	3.1	18
70	Association between potassium concentrations, variability and supplementation, and in-hospital mortality in ICU patients: a retrospective analysis. <i>Annals of Intensive Care</i> , 2019, 9, 100.	2.2	17
71	CARbon Dioxide for the treatment of Febrile seizures: rationale, feasibility, and design of the CARDIF-study. <i>Journal of Translational Medicine</i> , 2013, 11, 157.	1.8	16
72	German-wide prospective DACAPO cohort of survivors of the acute respiratory distress syndrome (ARDS): a cohort profile. <i>BMJ Open</i> , 2018, 8, e019342.	0.8	15

#	ARTICLE	IF	CITATIONS
73	Timing, Outcome, and Risk Factors of Intracranial Hemorrhage in Acute Respiratory Distress Syndrome Patients During Venovenous Extracorporeal Membrane Oxygenation. <i>Critical Care Medicine</i> , 2021, 49, e120-e129.	0.4	14
74	Lower versus higher hemoglobin threshold for transfusion in ARDS patients with and without ECMO. <i>Critical Care</i> , 2020, 24, 697.	2.5	13
75	Safety and Efficacy of a Novel Pneumatically Driven Extracorporeal Membrane Oxygenation Device. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1684-1691.	0.7	13
76	The role of cell-free hemoglobin and haptoglobin in acute kidney injury in critically ill adults with ARDS and therapy with VV ECMO. <i>Critical Care</i> , 2022, 26, 50.	2.5	13
77	COVID-19 Patients Require Prolonged Extracorporeal Membrane Oxygenation Support for Survival Compared With Non-COVID-19 Patients. , 2022, 4, e0671.		13
78	Extracorporeal life support, ethics, and questions at the bedside: how does the end of the pathway look?. <i>Intensive Care Medicine</i> , 2015, 41, 1714-1715.	3.9	12
79	Characteristics and provision of care of patients with the acute respiratory distress syndrome: descriptive findings from the DACAPO cohort baseline and comparison with international findings. <i>Journal of Thoracic Disease</i> , 2017, 9, 818-830.	0.6	12
80	Predicting lethal courses in critically ill COVID-19 patients using a machine learning model trained on patients with non-COVID-19 viral pneumonia. <i>Scientific Reports</i> , 2021, 11, 13205.	1.6	12
81	Bolus or continuous hydrocortisone—that is the question. <i>Critical Care</i> , 2007, 11, 113.	2.5	11
82	Perioperatively Acquired Weakness. <i>Anesthesia and Analgesia</i> , 2020, 130, 341-351.	1.1	9
83	Extracorporeal Membrane Oxygenation Blood Flow and Blood Recirculation Compromise Thermodilution-Based Measurements of Cardiac Output. <i>ASAIO Journal</i> , 2021, Publish Ahead of Print, .	0.9	9
84	Tracheostomy in patients with acute respiratory distress syndrome is not related to quality of life, symptoms of psychiatric disorders or return-to-work: the prospective DACAPO cohort study. <i>Annals of Intensive Care</i> , 2020, 10, 52.	2.2	8
85	Sex-Specific Aspects of Skeletal Muscle Metabolism in the Clinical Context of Intensive Care Unit-Acquired Weakness. <i>Journal of Clinical Medicine</i> , 2022, 11, 846.	1.0	8
86	A Remote Patient-Monitoring System for Intensive Care Medicine: Mixed Methods Human-Centered Design and Usability Evaluation. <i>JMIR Human Factors</i> , 2022, 9, e30655.	1.0	7
87	Clinical management and outcome of adult patients with extracorporeal life support device-associated intracerebral hemorrhage—a neurocritical perspective and grading. <i>Neurosurgical Review</i> , 2021, 44, 2879-2888.	1.2	7
88	Adjunctive therapies in severe sepsis and septic shock: Current place of steroids. <i>Current Infectious Disease Reports</i> , 2008, 10, 354-361.	1.3	6
89	Ventilatory support versus ECMO for severe adult respiratory failure. <i>Lancet</i> , The, 2010, 375, 549-550.	6.3	6
90	¹³C Breath Tests Are Feasible in Patients With Extracorporeal Membrane Oxygenation Devices. <i>Artificial Organs</i> , 2016, 40, 692-698.	1.0	6

#	ARTICLE	IF	CITATIONS
91	The quality of acute intensive care and the incidence of critical events have an impact on health-related quality of life in survivors of the acute respiratory distress syndrome - a nationwide prospective multicenter observational study. <i>GMS German Medical Science</i> , 2020, 18, Doc01.	2.7	6
92	Impact of protocol-based physiotherapy on insulin sensitivity and peripheral glucose metabolism in critically ill patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1045-1053.	2.9	6
93	Conservative management of COVID-19 associated hypoxaemia. <i>ERJ Open Research</i> , 2021, 7, 00113-2021.	1.1	4
94	Assessment of magnetic flux density properties of electromagnetic noninvasive phrenic nerve stimulations for environmental safety in an ICU environment. <i>Scientific Reports</i> , 2021, 11, 16317.	1.6	4
95	Creation of an Evidence-Based Implementation Framework for Digital Health Technology in the Intensive Care Unit: Qualitative Study. <i>JMIR Formative Research</i> , 2022, 6, e22866.	0.7	4
96	Age of Red Cells for Transfusion and Outcomes in Patients with ARDS. <i>Journal of Clinical Medicine</i> , 2022, 11, 245.	1.0	4
97	"Ideal PEEP" is superior to high dose partial liquid ventilation with low PEEP in experimental acute lung injury. <i>Intensive Care Medicine</i> , 2001, 27, 1937-1948.	3.9	3
98	The BREATHE-appeal: harmonize interaction between patient and ventilator!. <i>Journal of Thoracic Disease</i> , 2016, 8, E1647-E1650.	0.6	3
99	Extracorporeal Life Support in Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome. Decide Wisely, Early, and in a Personalized Way. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1241-1243.	2.5	3
100	Critical illness myopathy precedes hyperglycaemia and high glucose variability. <i>Journal of Critical Care</i> , 2021, 63, 32-39.	1.0	2
101	Nonexcitable muscle membrane predicts intensive care unit-acquired paresis in mechanically ventilated, sedated patients. <i>Critical Care Medicine</i> , 2010, 38, 1234.	0.4	1
102	Acute right heart decompensation in a multiple trauma patient with chronic pulmonary hypertension. <i>Intensive Care Medicine</i> , 2011, 37, 723-724.	3.9	1
103	Long-Term Survival After Extracorporeal Membrane Oxygenation Therapy: The Attention It Deserves!*. <i>Critical Care Medicine</i> , 2017, 45, 361-362.	0.4	1
104	Dynamic thromboembolic left ventricular outflow tract obstruction after aggressive procoagulant treatment in hemorrhagic shock: a case report. <i>Journal of Medical Case Reports</i> , 2021, 15, 269.	0.4	1
105	Strategien in der RespiratorentwÄngung. , 2018, , 21-32.		1
106	Critical Illness Neuromuscular Abnormalities in Patients with Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2005, 33, 2724-2725.	0.4	0
107	Pumpless extracorporeal lung assist in patients with acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2007, 35, 326.	0.4	0
108	Reply. <i>Muscle and Nerve</i> , 2015, 51, 625-626.	1.0	0

#	ARTICLE	IF	CITATIONS
109	In vitro validation and characterization of pulsed inhaled nitric oxide administration during early inspiration. Journal of Clinical Monitoring and Computing, 2021, , 1.	0.7	0
110	Neuromyopathy: Histological and Molecular Findings. Lessons From the ICU, 2020, , 61-72.	0.1	0