Martin Siegemund

List of Publications by Year in descending order

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136740 123241 4,183 120 32 61 citations h-index g-index papers 127 127 127 4931 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Procalcitonin for reduced antibiotic exposure in ventilator-associated pneumonia: a randomised study. European Respiratory Journal, 2009, 34, 1364-1375.	3.1	278
2	Hydroxyethyl starch 130/0.38-0.45 versus crystalloid or albumin in patients with sepsis: systematic review with meta-analysis and trial sequential analysis. BMJ, The, 2013, 346, f839-f839.	3.0	265
3	Rivastigmine for the prevention of postoperative delirium in elderly patients undergoing elective cardiac surgeryâ€"A randomized controlled trial*. Critical Care Medicine, 2009, 37, 1762-1768.	0.4	250
4	Pantoprazole in Patients at Risk for Gastrointestinal Bleeding in the ICU. New England Journal of Medicine, 2018, 379, 2199-2208.	13.9	232
5	Cerebral perfusion in sepsis-associated delirium. Critical Care, 2008, 12, R63.	2.5	191
6	Lower or Higher Oxygenation Targets for Acute Hypoxemic Respiratory Failure. New England Journal of Medicine, 2021, 384, 1301-1311.	13.9	190
7	β-Glucan Antigenemia Anticipates Diagnosis of Blood Culture–Negative Intraabdominal Candidiasis. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1100-1109.	2.5	183
8	Restriction of Intravenous Fluid in ICU Patients with Septic Shock. New England Journal of Medicine, 2022, 386, 2459-2470.	13.9	154
9	Correlates of critical illness-related encephalopathy predominate postmortem COVID-19 neuropathology. Acta Neuropathologica, 2020, 140, 583-586.	3.9	117
10	Intestinal and Cerebral Oxygenation during Severe Isovolemic Hemodilution and Subsequent Hyperoxic Ventilation in a Pig Model. Anesthesiology, 2002, 97, 660-670.	1.3	108
11	Molecular Genetic Testing for Malignant Hyperthermia Susceptibility. Anesthesiology, 2004, 100, 1076-1080.	1.3	95
12	Rocuronium Versus Succinylcholine for Rapid Sequence Induction of Anesthesia and Endotracheal Intubation: A Prospective, Randomized Trial in Emergent Cases. Anesthesia and Analgesia, 2005, 101, 1356-1361.	1.1	95
13	The effect of the transfusion of stored RBCs on intestinal microvascular oxygenation in the rat. Transfusion, 2001, 41, 1515-1523.	0.8	94
14	Copeptin is associated with mortality and outcome in patients with acute intracerebral hemorrhage. BMC Neurology, 2010, 10, 34.	0.8	71
15	Succinylcholine versus rocuronium for rapid sequence intubation in intensive care: a prospective, randomized controlled trial. Critical Care, 2011, 15, R199.	2.5	70
16	Re-evaluating currently available data and suggestions for planning randomised controlled studies regarding the use of hydroxyethyl starch in critically ill patients - a multidisciplinary statement. Critical Care, 2013, 17, R166.	2.5	69
17	Serum Neurofilament Light Chain Levels in the Intensive Care Unit: Comparison between Severely Ill Patients with and without Coronavirus Disease 2019. Annals of Neurology, 2021, 89, 610-616.	2.8	68
18	Inducible nitric oxide synthase inhibition improves intestinal microcirculatory oxygenation and CO2 balance during endotoxemia in pigs. Intensive Care Medicine, 2005, 31, 985-992.	3.9	66

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19	Heart, kidney, and intestine have different tolerances for anemia. Translational Research, 2008, 151, 110-117.	2.2	65
20	Genotyping the Butyrylcholinesterase in Patients with Prolonged Neuromuscular Block after Succinylcholine. Anesthesiology, 2005, 102, 531-535.	1.3	63
21	Cerebral perfusion in sepsis. Critical Care, 2010, 14, 215.	2.5	57
22	Critical Hematocrit in Intestinal Tissue Oxygenation during Severe Normovolemic Hemodilution. Anesthesiology, 2001, 94, 152-160.	1.3	54
23	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.	1.3	52
24	Independent Predictors of the Duration and Overall Burden of Postoperative Delirium After Cardiac Surgery in Adults: An Observational Cohort Study. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 1966-1973.	0.6	50
25	Incidence, risk factors, and outcome of aspiration pneumonitis in ICU overdose patients. Intensive Care Medicine, 2006, 32, 1423-1427.	3.9	49
26	Dexmedetomidine in prevention and treatment of postoperative and intensive care unit delirium: a systematic review and meta-analysis. Annals of Intensive Care, 2018, 8, 92.	2.2	49
27	Postoperative Delirium in Cardiac Surgery: An Unavoidable Menace?. Journal of Cardiothoracic and Vascular Anesthesia, 2015, 29, 1677-1687.	0.6	48
28	Pancreatic Stone Protein. Chest, 2011, 140, 925-932.	0.4	43
29	Co-infection of Influenza B and Streptococci causing severe pneumonia and septic shock in healthy women. BMC Infectious Diseases, 2010, 10, 308.	1.3	41
30	Low-Dose Radiation Therapy for Severe COVID-19 Pneumonia: A Randomized Double-Blind Study. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1274-1282.	0.4	41
31	Prolonged administration of \hat{l}^2 -lactam antibiotics \hat{a} \in " a comprehensive review and critical appraisal. Swiss Medical Weekly, 2016, 146, w14368.	0.8	41
32	Prevalence and outcome of dysnatremia in patients with COVID-19 compared to controls. European Journal of Endocrinology, 2021, 184, 409-418.	1.9	37
33	SARS-CoV-2 outbreak in a tri-national urban area is dominated by a B.1 lineage variant linked to a mass gathering event. PLoS Pathogens, 2021, 17, e1009374.	2.1	36
34	Gender differences in the provision of intensive care: a Bayesian approach. Intensive Care Medicine, 2021, 47, 577-587.	3.9	36
35	Ketamine vs. haloperidol for prevention of cognitive dysfunction and postoperative delirium: A phase IV multicentre randomised placebo-controlled double-blind clinical trial. Journal of Clinical Anesthesia, 2021, 68, 110099.	0.7	35
36	Serum biomarkers of delirium in the elderly: a narrative review. Annals of Intensive Care, 2019, 9, 76.	2.2	32

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37	Aortic Cross-Clamping and Reperfusion in Pigs Reduces Microvascular Oxygenation by Altered Systemic and Regional Blood Flow Distribution. Anesthesia and Analgesia, 2010, 111, 345-353.	1.1	30
38	Handling Oxygenation Targets in the Intensive Care Unit (HOTâ€ŀCU)—Protocol for a randomised clinical trial comparing a lower vs a higher oxygenation target in adults with acute hypoxaemic respiratory failure. Acta Anaesthesiologica Scandinavica, 2019, 63, 956-965.	0.7	30
39	Microcirculation follows macrocirculation in heart and gut in the acute phase of hemorrhagic shock and isovolemic autologous whole blood resuscitation in pigs. Transfusion, 2012, 52, 1552-1559.	0.8	29
40	Association of social deprivation with 1-year outcome of ICU survivors: results from the FROG-ICU study. Intensive Care Medicine, 2018, 44, 2025-2037.	3.9	28
41	Performance of the T2Candida Panel for the Diagnosis of Intra-abdominal Candidiasis. Open Forum Infectious Diseases, 2020, 7, ofaa075.	0.4	26
42	Midregional pro-atrial natriuretic peptide and procalcitonin improve survival prediction in VAP. European Respiratory Journal, 2011, 37, 595-603.	3.1	25
43	Point-of-Care Platelet Function Monitoring: Implications for Patients With Platelet Inhibitors in Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 1049-1059.	0.6	25
44	Hemoglobin-Based Oxygen Carrier Provides Heterogeneous Microvascular Oxygenation in Heart and Gut after Hemorrhage in Pigs. Journal of Trauma, 2003, 55, 1111-1124.	2.3	24
45	Exercise capacity impairment after COVID-19 pneumonia is mainly caused by deconditioning. European Respiratory Journal, 2022, 59, 2101136.	3.1	24
46	Non-invasive central venous pressure measurement by compression ultrasoundâ€"A step into real life. Resuscitation, 2009, 80, 1130-1136.	1.3	23
47	Influence of dobutamine on the variables of systemic haemodynamics, metabolism, and intestinal perfusion after cardiopulmonary resuscitation in the rat. Resuscitation, 2005, 64, 227-232.	1.3	22
48	The Sequential Organ Failure Assessment score and copeptin for predicting survival in ventilator-associated pneumonia. Journal of Critical Care, 2012, 27, 523.e1-523.e9.	1.0	21
49	Global Genomic Analysis of SARS-CoV-2 RNA Dependent RNA Polymerase Evolution and Antiviral Drug Resistance. Microorganisms, 2021, 9, 1094.	1.6	21
50	Epidemiology and precision of SARSâ€CoVâ€⊋ detection following lockdown and relaxation measures. Journal of Medical Virology, 2021, 93, 2374-2384.	2.5	20
51	Effect of nâ€3 fatty acids on markers of brain injury and incidence of sepsisâ€associated delirium in septic patients. Acta Anaesthesiologica Scandinavica, 2014, 58, 689-700.	0.7	19
52	Sublingual microcirculation does not reflect red blood cell transfusion thresholds in the intensive care unit—a prospective observational study in the intensive care unit. Critical Care, 2020, 24, 18.	2.5	19
53	Hemoadsorption during Cardiopulmonary Bypass in Patients with Endocarditis Undergoing Valve Surgery: A Retrospective Single-Center Study. Journal of Clinical Medicine, 2021, 10, 564.	1.0	18
54	Clinical utility of inflammatory biomarkers in COVID-19 in direct comparison to other respiratory infectionsâ€"A prospective cohort study. PLoS ONE, 2022, 17, e0269005.	1.1	18

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55	Polymorphisms in Tumor Necrosis Factor-α Increase Susceptibility to Intra-Abdominal Candida Infection in High-Risk Surgical ICU Patients*. Critical Care Medicine, 2014, 42, e304-e308.	0.4	17
56	Temporal trends of COVID-19 related in-hospital mortality and demographics in Switzerland – a retrospective single centre cohort study. Swiss Medical Weekly, 2021, 151, w20572.	0.8	16
57	Comparing Immunoassays for SARS-CoV-2 Antibody Detection in Patients with and without Laboratory-Confirmed SARS-CoV-2 Infection. Journal of Clinical Microbiology, 2021, 59, e0138121.	1.8	16
58	Resuscitation from cardiac arrest with adrenaline/epinephrine or vasopressin: effects on intestinal mucosal tonometer pCO2 during the postresuscitation period in rats. Resuscitation, 2002, 53, 201-207.	1.3	13
59	The handling oxygenation targets in the intensive care unit (HOTâ€ICU) trial: Detailed statistical analysis plan. Acta Anaesthesiologica Scandinavica, 2020, 64, 847-856.	0.7	13
60	Use of Bâ€ŧype natriuretic peptide in the management of hypoxaemic respiratory failure. European Journal of Heart Failure, 2011, 13, 154-162.	2.9	12
61	Postoperative care of the neurosurgical patient. Current Opinion in Anaesthesiology, 2015, 28, 487-493.	0.9	11
62	Discontinuation of dual antiplatelet therapy and bleeding in intensive care in patients undergoing urgent coronary artery bypass grafting: a retrospective analysis. Interactive Cardiovascular and Thoracic Surgery, 2019, 28, 665-673.	0.5	11
63	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.	0.8	10
64	Baden Prevention and Reduction of Incidence of Postoperative Delirium Trial (PRIDe): a phase IV multicenter, randomized, placebo-controlled, double-blind clinical trial of ketamine versus haloperidol for prevention of postoperative delirium. Trials, 2018, 19, 142.	0.7	9
65	High Mortality of Non-Fournier Necrotizing Fasciitis With Enterobacteriales: Time to Rethink Classification?. Clinical Infectious Diseases, 2019, 69, 147-150.	2.9	9
66	Association of Frailty with Adverse Outcomes in Patients with Suspected COVID-19 Infection. Journal of Clinical Medicine, 2021, 10, 2472.	1.0	9
67	Management of acute atrial fibrillation in the intensive care unit: An international survey. Acta Anaesthesiologica Scandinavica, 2022, 66, 375-385.	0.7	9
68	Oxygenation targets in ICU patients with COVIDâ€19: A post hoc subgroup analysis of the HOTâ€ICU trial. Acta Anaesthesiologica Scandinavica, 2022, 66, 76-84.	0.7	8
69	Long-term mortality and health-related quality of life of lower versus higher oxygenation targets in ICU patients with severe hypoxaemia. Intensive Care Medicine, 2022, 48, 714-722.	3.9	8
70	SARS-CoV-2 Vaccine Alpha and Delta Variant Breakthrough Infections Are Rare and Mild but Can Happen Relatively Early after Vaccination. Microorganisms, 2022, 10, 857.	1.6	8
71	Adverse Events of Percutaneous Microaxial Left Ventricular Assist Devices—A Retrospective, Single-Centre Cohort Study. Journal of Clinical Medicine, 2021, 10, 3710.	1.0	7
72	Determinants of SARS-CoV-2 transmission to guide vaccination strategy in an urban area. Virus Evolution, 2022, 8, veac002.	2.2	7

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73	Ninety-day outcome of patients with severe COVID-19 treated with tocilizumab – a single centre cohort study. Swiss Medical Weekly, 2021, 151, w20550.	0.8	6
74	The value of volume substitution in patients with septic and haemorrhagic shock with respect to the microcirculation. Swiss Medical Weekly, 2019, 149, w20007.	0.8	6
75	Systemic and mesenteric hemodynamics, metabolism, and intestinal tonometry in a rat model of supraceliac aortic cross-clamping and declamping. Journal of Cardiothoracic and Vascular Anesthesia, 1999, 13, 707-714.	0.6	5
76	Vasoactive agents to improve brain perfusion. Current Opinion in Critical Care, 2019, 25, 110-116.	1.6	5
77	Haemophagocytic lymphohistiocytosis and liver failure-induced massive hyperferritinaemia in a male COVID-19 patient. Swiss Medical Weekly, 2021, 151, w20420.	0.8	5
78	Handling oxygenation targets in ICU patients with COVIDâ€19â€"Protocol and statistical analysis plan in the HOTâ€COVID trial. Acta Anaesthesiologica Scandinavica, 2021, 65, 1497-1504.	0.7	5
79	Catheter related blood stream infections in critically ill patients with continuous haemo(dia)filtration and temporary non-tunnelled vascular access. Swiss Medical Weekly, 2011, 141, w13294.	0.8	5
80	A preoperative single dose of methadone for moderate-to-severely painful surgery reduces postoperative morphine consumption. Minerva Anestesiologica, 2019, 85, 1053-1061.	0.6	5
81	lleocecal Valve as Substitute for the Missing Pyloric Sphincter After Partial Distal Gastrectomy. Annals of Surgery, 2002, 236, 28-36.	2.1	4
82	Modified frozen elephant trunk for acute type A aortic dissection: a comparative study with standard repair technique. European Journal of Cardio-thoracic Surgery, 2017, 51, ezw412.	0.6	4
83	The EMPIRICUS trialâ€"the final nail in the coffin of empirical antifungal therapy in the intensive care unit?. Journal of Thoracic Disease, 2017, 9, E269-E273.	0.6	4
84	Bilateral acute renal cortical necrosis after a dog bite: case report. BMC Infectious Diseases, 2021, 21, 231.	1.3	4
85	Newâ€onset atrial fibrillation in the intensive care unit: Protocol for an international inception cohort study (AFIBâ€ICU). Acta Anaesthesiologica Scandinavica, 2021, 65, 846-851.	0.7	4
86	Comparison of Acute Kidney Injury in Patients with COVID-19 and Other Respiratory Infections: A Prospective Cohort Study. Journal of Clinical Medicine, 2021, 10, 2288.	1.0	4
87	Direct Comparison of Clinical Characteristics, Outcomes, and Risk Prediction in Patients with COVID-19 and Controlsâ€"A Prospective Cohort Study. Journal of Clinical Medicine, 2021, 10, 2672.	1.0	4
88	Lactic acidosis and hyperlactatemia associated with lamivudine accumulation and sepsis in a kidney transplant recipientâ€"a case report and review of the literature. AIDS Research and Therapy, 2021, 18, 56.	0.7	4
89	Failure of recombinant factor VIIa in a patient with severe polymicrobial sepsis and postoperative uncontrolled intraabdominal bleeding. BMC Infectious Diseases, 2007, 7, 34.	1.3	3
90	The Physiologic Perspective in Fluid Management in Vascular Anesthesiology. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 1604-1608.	0.6	3

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91	5-year results of a newly implemented mechanical circulatory support program for terminal heart failure patients in a Swiss non-cardiac transplant university hospital. Journal of Cardiothoracic Surgery, 2021, 16, 64.	0.4	3
92	Development and validation of a multivariable risk score for prolonged length of stay in the surgical intensive care unit. Swiss Medical Weekly, 2019, 149, w20122.	0.8	3
93	Implementation of a multiprofessional, multicomponent delirium management guideline in two intensive care units, and its effect on patient outcomes and nurse workload: a pre-post design retrospective cohort study. Swiss Medical Weekly, 2020, 150, w20185.	0.8	3
94	Is sleep disordered breathing a risk factor for COVID-19 or <i>vice versa</i> ?. ERJ Open Research, 2022, 8, 00034-2022.	1.1	3
95	SPHN/PHRT: Forming a Swiss-Wide Infrastructure for Data-Driven Sepsis Research. Studies in Health Technology and Informatics, 2020, 270, 1163-1167.	0.2	3
96	10% Hydroxyethylstarch impairs renal function and induces interstitial proliferation, macrophage infiltration and tubular damage. Critical Care, 2009, 13, 413.	2.5	2
97	Sublingual microcirculation: a case report. Journal of Medical Case Reports, 2019, 13, 179.	0.4	2
98	Protein delivery in intermittent and continuous enteral nutrition with a protein-rich formula in critically ill patientsâ€"a protocol for the prospective randomized controlled proof-of-concept Protein Bolus Nutrition (Pro BoNo) study. Trials, 2020, 21, 740.	0.7	2
99	Study protocol for a prospective randomised double-blind placebo-controlled clinical trial investigating a Better Outcome with Melatonin compared to Placebo Administered to normalize sleepâ€"wake cycle and treat hypoactive ICU Delirium: the Basel BOMP-AID study. BMJ Open, 2020, 10, e034873.	0.8	2
100	Femoral and popliteal venous Doppler during prone and supine position in COVID-19 patients: a potential diagnostic tool to detect abnormal right ventricular function. Canadian Journal of Anaesthesia, 2021, 68, 737-739.	0.7	2
101	A new high protein-to-energy enteral formula with a whey protein hydrolysate to achieve protein targets in critically ill patients: a prospective observational tolerability study. European Journal of Clinical Nutrition, 2022, 76, 419-427.	1.3	2
102	Aortic root thrombus directly after left ventricular assist device implantation. CJC Open, 2021, 3, 1313-1315.	0.7	2
103	Prone Positioning as a Potential Risk Factor for Deep Vein Thrombosis in COVID-19 Patients: A Hypothesis Generating Observation. Journal of Clinical Medicine, 2022, 11, 103.	1.0	2
104	Brain perfusion and autoregulation in systemic critical illness., 0,, 129-138.		1
105	The More, the Merrier? – Urinary Biomarkers for Prediction of Acute Kidney Injury After Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 2201-2202.	0.6	1
106	Between a Rock and a Hard Place: Coagulation Management in Venoarterial Extracorporeal Membrane Oxygenation Patients. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1221-1223.	0.6	1
107	Bedside hand vein inspection for noninvasive central venous pressure assessment. American Journal of Emergency Medicine, 2020, 38, 247-251.	0.7	1
108	Use of crystalloids and colloids in Europe per year from 2010 to 2019: Protocol for an international descriptive study. Acta Anaesthesiologica Scandinavica, 2021, 65, 1514-1517.	0.7	1

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109	Severe acute respiratory syndrome coronavirus 2, primary varicella zoster virus coinfection, and a polymicrobial ventilator-associated tracheobronchitis in an adult immunocompetent male: a case report. Journal of Medical Case Reports, 2022, 16, 45.	0.4	1
110	Nonâ€invasive evaluation of newâ€onset atrial fibrillation after cardiac surgery: a protocol for the BigMap study. ESC Heart Failure, 2022, , .	1.4	1
111	Gastric emptying rates following different types of reconstruction after partial gastrectomy. Gastroenterology, 2000, 118, A1522.	0.6	O
112	Rocuronium Versus Succinylcholine for Rapid Tracheal Intubation. Anesthesia and Analgesia, 2006, 102, 1912-1913.	1.1	0
113	Anatomic changes after repair of traumatic bilateral diaphragmatic rupture impede bi-caval dual lumen catheter insertion for veno-venous extracorporeal membrane oxygenation treatment. Critical Care, 2017, 21, 80.	2.5	0
114	Prolonged respiratory failure due to pulmonary embolism in a young woman: a case report. Journal of Medical Case Reports, 2019, 13, 225.	0.4	0
115	Preoperative Noninvasive Mapping Allowed Targeted Concomitant Surgical Ablation and Revealed COVID-19 Infection. Case Reports in Cardiology, 2021, 2021, 1-5.	0.1	O
116	FC 047COMPARISON OF THE CHARACTERISTICS AND MORTALITY OF ACUTE KIDNEY INJURY IN PATIENTS WITH COVID-19 AND OTHER RESPIRATORY INFECTIONS: A PROSPECTIVE COHORT STUDY. Nephrology Dialysis Transplantation, 2021, 36, .	0.4	0
117	Case Report: Left Ventricular Unloading Using a Mechanical CPR Device in a Prolonged Accidental Hypothermic Cardiac Arrest Treated by VA-ECMO – a Novel Approach. Frontiers in Cardiovascular Medicine, 2021, 8, 707663.	1.1	O
118	In Reply to Bevelacqua et al. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1551.	0.4	0
119	Temporary extracorporeal femoro-femoral crossover bypass to treat acute limb ischemia due to occlusive femoral transaortic microaxial left ventricular assist device – A novel technique and case series. Annals of Vascular Surgery, 2021, , .	0.4	0
120	Does the age of packed red blood cells, donor sex or sex mismatch affect the sublingual microcirculation in critically ill intensive care unit patients? A secondary interpretation of a retrospective analysis. Journal of Clinical Monitoring and Computing, 2023, 37, 179-188.	0.7	0