

Dirk SchÄrdler

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,173
citations

304368

22
h-index

223531

46
g-index

58
all docs

58
docs citations

58
times ranked

2887
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of a novel extracorporeal cytokine hemoadsorption device on IL-6 elimination in septic patients: A randomized controlled trial. PLoS ONE, 2017, 12, e0187015.	1.1	227
2	A prospective international observational prevalence study on prone positioning of ARDS patients: the APRONET (ARDS Prone Position Network) study. Intensive Care Medicine, 2018, 44, 22-37.	3.9	226
3	Effect of Hydrocortisone on Development of Shock Among Patients With Severe Sepsis. JAMA - Journal of the American Medical Association, 2016, 316, 1775.	3.8	197
4	Impact of compliance with infection management guidelines on outcome in patients with severe sepsis: a prospective observational multi-center study. Critical Care, 2014, 18, R42.	2.5	171
5	Current practice in nutritional support and its association with mortality in septic patients—Results from a national, prospective, multicenter study*. Critical Care Medicine, 2008, 36, 1762-1767.	0.4	132
6	Comparison of different methods to define regions of interest for evaluation of regional lung ventilation by EIT. Physiological Measurement, 2006, 27, S115-S127.	1.2	111
7	Assessment of Changes in Distribution of Lung Perfusion by Electrical Impedance Tomography. Respiration, 2009, 77, 282-291.	1.2	86
8	Reproducibility of regional lung ventilation distribution determined by electrical impedance tomography during mechanical ventilation. Physiological Measurement, 2007, 28, S261-S267.	1.2	73
9	Hyperlactatemia is an independent predictor of mortality and denotes distinct subtypes of severe sepsis and septic shock. Journal of Critical Care, 2015, 30, 439.e1-439.e6.	1.0	64
10	Automatic Control of Pressure Support for Ventilator Weaning in Surgical Intensive Care Patients. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 637-644.	2.5	59
11	Effect of high-dose vitamin D3 on 28-day mortality in adult critically ill patients with severe vitamin D deficiency: a study protocol of a multicentre, placebo-controlled double-blind phase III RCT (the Tj ETQq1 1 0.784304.rgBT / Overlock 10	1.4	59
12	Effect of PEEP and Tidal Volume on Ventilation Distribution and End-Expiratory Lung Volume: A Prospective Experimental Animal and Pilot Clinical Study. PLoS ONE, 2013, 8, e72675.	1.1	53
13	Regional lung opening and closing pressures in patients with acute lung injury. Journal of Critical Care, 2012, 27, 323.e11-323.e18.	1.0	48
14	Enteral nutrition is associated with improved outcome in patients with severe sepsis. Medizinische Klinik - Intensivmedizin Und Notfallmedizin, 2013, 108, 223-233.	0.4	47
15	International standards for programmes of training in intensive care medicine in Europe. Intensive Care Medicine, 2011, 37, 385-393.	3.9	44
16	Mechanical Ventilation and Extracorporeal Membrane Oxygenation in Acute Respiratory Insufficiency. Deutsches Ärztblatt International, 2018, 115, 840-847.	0.6	44
17	Dynamics of regional lung aeration determined by electrical impedance tomography in patients with acute respiratory distress syndrome. Multidisciplinary Respiratory Medicine, 2012, 7, 44.	0.6	36
18	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. Respiration, 2019, 98, 357-372.	1.2	33

#	ARTICLE	IF	CITATIONS
19	Performance of electrical impedance tomography in detecting regional tidal volumes during one-lung ventilation. <i>Acta Anaesthesiologica Scandinavica</i> , 2008, 52, 1131-1139.	0.7	32
20	Assessment of respiratory system compliance with electrical impedance tomography using a positive end-expiratory pressure wave maneuver during pressure support ventilation: a pilot clinical study. <i>Critical Care</i> , 2014, 18, 679.	2.5	30
21	The wingless-related integration site-5a/secreted frizzled-related protein-5 system is dysregulated in human sepsis. <i>Clinical and Experimental Immunology</i> , 2015, 180, 90-97.	1.1	28
22	Functional Regions of Interest in Electrical Impedance Tomography: A Secondary Analysis of Two Clinical Studies. <i>PLoS ONE</i> , 2016, 11, e0152267.	1.1	25
23	Characteristic pattern of pleural effusion in electrical impedance tomography images of critically ill patients. <i>British Journal of Anaesthesia</i> , 2018, 120, 1219-1228.	1.5	25
24	Fever and hypothermia represent two populations of sepsis patients and are associated with outside temperature. <i>Critical Care</i> , 2021, 25, 368.	2.5	24
25	(1 α ,25-dihydroxyvitamin D ₃)- β -D-Glucan-guided antifungal therapy in adults with sepsis: the CandiSep randomized clinical trial. <i>Intensive Care Medicine</i> , 2022, 48, 865-875.	3.9	22
26	Ambulatory and stationary healthcare use in survivors of ARDS during the first year after discharge from ICU: findings from the DCAPO cohort. <i>Annals of Intensive Care</i> , 2019, 9, 70.	2.2	21
27	Oxygenation effect of interventional lung assist in a lavage model of acute lung injury: a prospective experimental study. <i>Critical Care</i> , 2006, 10, R56.	2.5	20
28	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
29	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 (DCAPO). <i>BMC Public Health</i> , 2020, 20, 861.	1.2	18
30	Influence of tidal volume on ventilation inhomogeneity assessed by electrical impedance tomography during controlled mechanical ventilation. <i>Physiological Measurement</i> , 2015, 36, 1137-1146.	1.2	17
31	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS. <i>Chest</i> , 2021, 159, 1426-1436.	0.4	16
32	Model-based setting of inspiratory pressure and respiratory rate in pressure-controlled ventilation. <i>Physiological Measurement</i> , 2014, 35, 383-397.	1.2	15
33	Adaptive mechanical ventilation with automated minimization of mechanical power—a pilot randomized cross-over study. <i>Critical Care</i> , 2019, 23, 338.	2.5	15
34	Individualization of PEEP and tidal volume in ARDS patients with electrical impedance tomography: a pilot feasibility study. <i>Annals of Intensive Care</i> , 2021, 11, 89.	2.2	15
35	Acid Sphingomyelinase Serum Activity Predicts Mortality in Intensive Care Unit Patients after Systemic Inflammation: A Prospective Cohort Study. <i>PLoS ONE</i> , 2014, 9, e112323.	1.1	13
36	A new technique for bedside placement of enteral feeding tubes: a prospective cohort study. <i>Critical Care</i> , 2011, 15, R8.	2.5	12

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37	Effects of restricted thoracic movement on the regional distribution of ventilation. Acta Anaesthesiologica Scandinavica, 2010, 54, 751-760.	0.7	11
38	Measurement of regional pulmonary oxygen uptake—a novel approach using electrical impedance tomography. Physiological Measurement, 2011, 32, 877-886.	1.2	9
39	A simple gas exchange model predicting arterial oxygen content for various FiO ₂ levels. , 2013, 2013, 465-8.		9
40	Unilateral empyema impacts the assessment of regional lung ventilation by electrical impedance tomography. Physiological Measurement, 2014, 35, 975-983.	1.2	9
41	A knowledge- and model-based system for automated weaning from mechanical ventilation: technical description and first clinical application. Journal of Clinical Monitoring and Computing, 2014, 28, 487-498.	0.7	9
42	Determination of respiratory system compliance during pressure support ventilation by small variations of pressure support. Journal of Clinical Monitoring and Computing, 2018, 32, 741-751.	0.7	8
43	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. Annals of Intensive Care, 2020, 10, 52.	2.2	8
44	Automated control of mechanical ventilation during general anaesthesia: study protocol of a bicentric observational study (AVAS). BMJ Open, 2017, 7, e014742.	0.8	7
45	Effects of interventional lung assist on haemodynamics and gas exchange in cardiopulmonary resuscitation: a prospective experimental study on animals with acute respiratory distress syndrome. Critical Care, 2009, 13, R17.	2.5	6
46	Ventilatory strategies in septic patients. Der Anaesthesist, 2013, 62, 27-33.	0.5	6
47	Global and regional assessment of sustained inflation pressure—volume curves in patients with acute respiratory distress syndrome. Physiological Measurement, 2017, 38, 1132-1144.	1.2	5
48	Non-invasive determination of respiratory system mechanics in pressure support ventilation using the expiratory time constant?. Critical Care, 2013, 17, 424.	2.5	1
49	Implementing an Automated Ventilation Guideline Using the Semantic Wiki KnowWE. Lecture Notes in Computer Science, 2012, , 363-372.	1.0	1
50	A multifaceted educational intervention improved anti-infectious measures but had no effect on mortality in patients with severe sepsis. Scientific Reports, 2022, 12, 3925.	1.6	1
51	Automatic weaning from mechanical ventilation — no progress in the last 10 years?. European Journal of Cardio-thoracic Surgery, 2006, 30, 415-416.	0.6	0
52	Elevation of Procalcitonin After Implantation of an Interventional Lung Assist Device in Critically Ill Patients. ASAIO Journal, 2014, 60, 249-253.	0.9	0