Roman Ullrich

List of Publications by Year
in descending order

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34	879	623188	476904
papers	citations	14	29
		h-index	g-index

38	38	38	1142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Carbon Monoxide Inhalation during Experimental Endotoxemia in Humans. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 354-360.	2.5	189
2	Inhaled nitric oxide therapy in adults: European expert recommendations. Intensive Care Medicine, 2005, 31, 1029-1041.	3.9	100
3	Hypoxic pulmonary blood flow redistribution and arterial oxygenation in endotoxin-challenged NOS2-deficient mice. Journal of Clinical Investigation, 1999, 104, 1421-1429.	3.9	72
4	Intermittent Hypoxia Causes Inflammation and Injury to Human Adult Cardiac Myocytes. Anesthesia and Analgesia, 2016, 122, 373-380.	1.1	52
5	Attenuation of Hypoxic Pulmonary Vasoconstriction by Endotoxemia Requires 5-Lipoxygenase in Mice. Circulation Research, 2001, 88, 832-838.	2.0	43
6	Inhaled AP301 for treatment of pulmonary edema in mechanically ventilated patients with acute respiratory distress syndrome: a phase IIa randomized placebo-controlled trial. Critical Care, 2017, 21, 194.	2.5	41
7	Additive Effect of Nitric Oxide Inhalation on the Oxygenation Benefit of the Prone Position in the Adult Respiratory Distress SyndromeÂ. Anesthesiology, 1998, 89, 1401-1406.	1.3	39
8	Hyperoxia Induces Inflammation and Cytotoxicity in Human Adult Cardiac Myocytes. Shock, 2017, 47, 436-444.	1.0	34
9	Exhaled Nitric Oxide Production by Nitric Oxide Synthaseâ€“deficient Mice. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1262-1267.	2.5	30
10	Cytosolic phospholipase A2 in hypoxic pulmonary vasoconstriction. Journal of Clinical Investigation, 2002, 109, 1493-1500.	3.9	29
11	Duration of invasive mechanical ventilation prior to extracorporeal membrane oxygenation is not associated with survival in acute respiratory distress syndrome caused by coronavirus disease 2019. Annals of Intensive Care, 2022, 12, 6.	2.2	27
12	Recent advances in understanding acute respiratory distress syndrome. F1000Research, 2018, 7, 263.	0.8	25
13	Investigating Disturbances of Oxygen Homeostasis: From Cellular Mechanisms to the Clinical Practice. Frontiers in Physiology, 2020, 11, 947.	1.3	18
14	Treatment of primary graft dysfunction after lung transplantation with orally inhaled AP301: A prospective, randomized pilot study. Journal of Heart and Lung Transplantation, 2018, 37, 225-231.	0.3	14
15	Argon Preconditioning Protects Airway Epithelial Cells against Hydrogen Peroxide-Induced Oxidative Stress. European Surgical Research, 2016, 57, 252-262.	0.6	13
16	Transfusion of standard-issue packed red blood cells induces pulmonary vasoconstriction in critically ill patients after cardiac surgeryâ€”A randomized, double-blinded, clinical trial. PLoS ONE, 2019, 14, e0213000.	1.1	13
17	Assessment of Regional Ventilation Distribution: Comparison of Vibration Response Imaging (VRI) with Electrical Impedance Tomography (EIT). PLoS ONE, 2014, 9, e86638.	1.1	13
18	Personalized medicine with IgGAM compared with standard of care for treatment of peritonitis after infectious source control (the PEPPER trial): study protocol for a randomized controlled trial. Trials, 2019, 20, 156.	0.7	12

#	Article	IF	Citations
19	Propofol-based sedation does not negatively influence oxygenator running time compared to midazolam in patients with extracorporeal membrane oxygenation. International Journal of Artificial Organs, 2019, 42, 233-240.	0.7	11
20	Oxygen conditions oscillating between hypoxia and hyperoxia induce different effects in the pulmonary endothelium compared to constant oxygen conditions. Physiological Reports, 2021, 9, e14590.	0.7	11
21	Safety and preliminary efficacy of sequential multiple ascending doses of solnatide to treat pulmonary permeability edema in patients with moderate-to-severe ARDSâ€"a randomized, placebo-controlled, double-blind trial. Trials, 2021, 22, 643.	0.7	11
22	Incidence and Etiology of System Exchanges in Patients Receiving Extracorporeal Membrane Oxygenation. ASAIO Journal, 2021, 67, 776-784.	0.9	10
23	Recommendations for extracorporeal membrane oxygenation (ECMO) in COVID-19 patients. Wiener Klinische Wochenschrift, 2020, 132, 671-676.	1.0	9
24	Rationale and study design of ViPS â€“ variable pressure support for weaning from mechanical ventilation: study protocol for an international multicenter randomized controlled open trial. Trials, 2013, 14, 363.	0.7	8
25	Real-time in-vivo imaging of pulmonary capillary perfusion using probe-based confocal laser scanning endomicroscopy in pigs. European Journal of Anaesthesiology, 2015, 32, 392-399.	0.7	8
26	SARS-CoV-2: recommendations for treatment in intensive care medicine. Wiener Klinische Wochenschrift, 2020, 132, 664-670.	1.0	8
27	Computation of Global and Local Mass Transfer in Hollow Fiber Membrane Modules. Sustainability, 2020, 12, 2207.	1.6	7
28	A surge of flu-associated adult respiratory distress syndrome in an Austrian tertiary care hospital during the 2009/2010 Influenza A H1N1v pandemic. Wiener Klinische Wochenschrift, 2011, 123, 209-214.	1.0	6
29	Cerebral microemboli during extracorporeal life support: a single-centre cohort study. European Journal of Cardio-thoracic Surgery, 2021, 61, 172-179.	0.6	6
30	The Renin-Angiotensin System as a Component of Biotrauma in Acute Respiratory Distress Syndrome. Frontiers in Physiology, 2021, 12, 806062.	1.3	6
31	Suitable CO2 Solubility Models for Determination of the CO2 Removal Performance of Oxygenators. Bioengineering, 2021, 8, 33.	1.6	5
32	Oxygen-Dependent Changes in the N-Glycome of Murine Pulmonary Endothelial Cells. Antioxidants, 2021, 10, 1947.	2.2	4
33	Cerebral Gaseous Microemboli are Detectable During Continuous Venovenous Hemodialysis in Critically Ill Patients: An Observational Pilot Study. Journal of Neurosurgical Anesthesiology, 2017, 29, 236-242.	0.6	3
34	Comparing ventilation modes by electrical impedance segmentography in ventilated children. Journal of Clinical Monitoring and Computing, 2022, 36, 1795-1803.	0.7	2