

Axel Nierhaus

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,616
citations

159585

30
h-index

91884

69
g-index

73
all docs

73
docs citations

73
times ranked

9974
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Replication of SARS-CoV-2 in adipose tissue determines organ and systemic lipid metabolism in hamsters and humans. <i>Cell Metabolism</i> , 2022, 34, 1-2. | 16.2 | 37 |
| 2 | Effect of therapeutic drug monitoring-based dose optimization of piperacillin/tazobactam on sepsis-related organ dysfunction in patients with sepsis: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2022, 48, 311-321. | 8.2 | 91 |
| 3 | Chronic Critical Illness in Patients with COVID-19: Characteristics and Outcome of Prolonged Intensive Care Therapy. <i>Journal of Clinical Medicine</i> , 2022, 11, 1049. | 2.4 | 13 |
| 4 | Single-dose of adreuzumab versus placebo in acute cardiogenic shock (ACCOST-HH): an investigator-initiated, randomised, double-blinded, placebo-controlled, multicentre trial. <i>Lancet Respiratory Medicine</i> , 2022, 10, 247-254. | 10.7 | 12 |
| 5 | Intravenous IgM-enriched immunoglobulins in critical COVID-19: a multicentre propensity-weighted cohort study. <i>Critical Care</i> , 2022, 26, . | 5.8 | 7 |
| 6 | Mechanical ventilation and mortality among 223 critically ill patients with coronavirus disease 2019: A multicentric study in Germany. <i>Australian Critical Care</i> , 2021, 34, 167-175. | 1.3 | 77 |
| 7 | High estradiol and low testosterone levels are associated with critical illness in male but not in female COVID-19 patients: a retrospective cohort study. <i>Emerging Microbes and Infections</i> , 2021, 10, 1807-1818. | 6.5 | 54 |
| 8 | Comparison of clinical characteristics and disease outcome of COVID-19 and seasonal influenza. <i>Scientific Reports</i> , 2021, 11, 5803. | 3.3 | 40 |
| 9 | Cerebrovascular autoregulation and arterial carbon dioxide in patients with acute respiratory distress syndrome: a prospective observational cohort study. <i>Annals of Intensive Care</i> , 2021, 11, 47. | 4.6 | 6 |
| 10 | Severe liver dysfunction complicating course of COVID-19 in the critically ill: multifactorial cause or direct viral effect?. <i>Annals of Intensive Care</i> , 2021, 11, 44. | 4.6 | 20 |
| 11 | MR-proAdrenomedullin as a predictor of renal replacement therapy in a cohort of critically ill patients with COVID-19. <i>Biomarkers</i> , 2021, 26, 417-424. | 1.9 | 14 |
| 12 | Sepsis Pathophysiology and Therapeutic Concepts. <i>Frontiers in Medicine</i> , 2021, 8, 628302. | 2.6 | 133 |
| 13 | Characteristics and Risk Factors for Intensive Care Unit Cardiac Arrest in Critically Ill Patients with COVID-19: A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2195. | 2.4 | 1 |
| 14 | Patient Characteristics and Clinical Course of COVID-19 Patients Treated at a German Tertiary Center during the First and Second Waves in the Year 2020. <i>Journal of Clinical Medicine</i> , 2021, 10, 2274. | 2.4 | 19 |
| 15 | Multi-dimensional and longitudinal systems profiling reveals predictive pattern of severe COVID-19. <i>IScience</i> , 2021, 24, 102752. | 4.1 | 9 |
| 16 | Hepatic Vasculopathy and Regenerative Responses of the Liver in Fatal Cases of COVID-19. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 1726-1729.e3. | 4.4 | 30 |
| 17 | Dynamics of Vascular Protective and Immune Supportive Sphingosine-1-Phosphate During Cardiac Surgery. <i>Frontiers in Immunology</i> , 2021, 12, 761475. | 4.8 | 4 |
| 18 | Clinical Characteristics, Complications and Outcomes of Patients with Severe Acute Respiratory Distress Syndrome Related to COVID-19 or Influenza Requiring Extracorporeal Membrane Oxygenation: A Retrospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5440. | 2.4 | 10 |

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|----|---|-----|-----------|
| 19 | Perforation of the ascending colon during implantation of an indwelling peritoneal catheter: a case report. <i>BMC Gastroenterology</i> , 2020, 20, 345. | 2.0 | 1 |
| 20 | Best-practice IgM- and IgA-enriched immunoglobulin use in patients with sepsis. <i>Annals of Intensive Care</i> , 2020, 10, 132. | 4.6 | 31 |
| 21 | Autopsy Findings and Venous Thromboembolism in Patients With COVID-19. <i>Annals of Internal Medicine</i> , 2020, 173, 268-277. | 3.9 | 1,954 |
| 22 | Use of Intravenous Immunoglobulins in Sepsis Therapy—A Clinical View. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5543. | 4.1 | 26 |
| 23 | S1P lyase inhibition protects against sepsis by promoting disease tolerance via the S1P/S1PR3 axis. <i>EBioMedicine</i> , 2020, 58, 102898. | 6.1 | 17 |
| 24 | Targeting Endothelial Dysfunction in Eight Extreme-Critically Ill Patients with COVID-19 Using the Anti-Adrenomedullin Antibody Adrecizumab (HAM8101). <i>Biomolecules</i> , 2020, 10, 1171. | 4.0 | 21 |
| 25 | Loss of sphingosine 1-phosphate (S1P) in septic shock is predominantly caused by decreased levels of high-density lipoproteins (HDL). <i>Journal of Intensive Care</i> , 2019, 7, 23. | 2.9 | 37 |
| 26 | 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. <i>Trials</i> , 2019, 20, 156. | 1.6 | 12 |
| 27 | In vitro removal of anti-infective agents by a novel cytokine adsorbent system. <i>International Journal of Artificial Organs</i> , 2019, 42, 57-64. | 1.4 | 51 |
| 28 | A rare case of septic shock due to <i>Neisseria meningitidis</i> serogroup B infection despite prior vaccination in a young adult with paroxysmal nocturnal haemoglobinuria receiving eculizumab. <i>Vaccine</i> , 2018, 36, 2507-2509. | 3.8 | 20 |
| 29 | The use of mid-regional proadrenomedullin to identify disease severity and treatment response to sepsis - a secondary analysis of a large randomised controlled trial. <i>Critical Care</i> , 2018, 22, 79. | 5.8 | 79 |
| 30 | Symmetrical (SDMA) and asymmetrical dimethylarginine (ADMA) in sepsis: high plasma levels as combined risk markers for sepsis survival. <i>Critical Care</i> , 2018, 22, 216. | 5.8 | 27 |
| 31 | Pharmacokinetics of meropenem in septic patients on sustained low-efficiency dialysis: a population pharmacokinetic study. <i>Critical Care</i> , 2018, 22, 25. | 5.8 | 28 |
| 32 | Predicting the requirement for renal replacement therapy in intensive care patients with sepsis. <i>Critical Care</i> , 2018, 22, 201. | 5.8 | 9 |
| 33 | Population pharmacokinetics and dosing simulations of ceftazidime in critically ill patients receiving sustained low-efficiency dialysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1433-1440. | 3.0 | 20 |
| 34 | Sphingosine-1-Phosphate. <i>Shock</i> , 2017, 47, 666-672. | 2.1 | 46 |
| 35 | Extracorporeal cytokine elimination as rescue therapy in refractory septic shock: a prospective single-center study. <i>Journal of Artificial Organs</i> , 2017, 20, 252-259. | 0.9 | 135 |
| 36 | The Effects of Ex Vivo Administration of Granulocyte-Macrophage Colony-Stimulating Factor and Endotoxin on Cytokine Release of Whole Blood Are Determined by Priming Conditions. <i>BioMed Research International</i> , 2017, 2017, 1-10. | 1.9 | 2 |

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|----|---|-----|-----------|
| 37 | Markers of nitric oxide are associated with sepsis severity: an observational study. <i>Critical Care</i> , 2017, 21, 189. | 5.8 | 66 |
| 38 | Human leucocyte antigen (HLA-DR) gene expression is reduced in sepsis and correlates with impaired TNF \pm response: A diagnostic tool for immunosuppression?. <i>PLoS ONE</i> , 2017, 12, e0182427. | 2.5 | 99 |
| 39 | Advanced Hemodynamic Management in Patients with Septic Shock. <i>BioMed Research International</i> , 2016, 2016, 1-11. | 1.9 | 26 |
| 40 | Sepsis: Diagnostic and Therapeutic Challenges. <i>BioMed Research International</i> , 2016, 2016, 1-2. | 1.9 | 8 |
| 41 | Effect of Hydrocortisone on Development of Shock Among Patients With Severe Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 1775. | 7.4 | 197 |
| 42 | Effect of Sodium Selenite Administration and Procalcitonin-Guided Therapy on Mortality in Patients With Severe Sepsis or Septic Shock. <i>JAMA Internal Medicine</i> , 2016, 176, 1266. | 5.1 | 217 |
| 43 | The feasibility and safety of extracorporeal carbon dioxide removal to avoid intubation in patients with COPD unresponsive to noninvasive ventilation for acute hypercapnic respiratory failure (ECLAIR \AA study): multicentre case \AA control study. <i>Intensive Care Medicine</i> , 2016, 42, 1437-1444. | 8.2 | 126 |
| 44 | The use of extracorporeal carbon dioxide removal to avoid intubation in patients failing non-invasive ventilation \AA a cost analysis. <i>BMC Anesthesiology</i> , 2015, 15, 160. | 1.8 | 15 |
| 45 | Decreased serum concentrations of sphingosine-1-phosphate in sepsis. <i>Critical Care</i> , 2015, 19, 372. | 5.8 | 108 |
| 46 | Safety of percutaneous dilatational tracheostomy in patients on extracorporeal lung support. <i>Intensive Care Medicine</i> , 2013, 39, 1792-1799. | 8.2 | 50 |
| 47 | Revisiting the white blood cell count: immature granulocytes count as a diagnostic marker to discriminate between SIRS and sepsis - a prospective, observational study. <i>BMC Immunology</i> , 2013, 14, 8. | 2.2 | 86 |
| 48 | Prospective Comparison of Three Risk Score Models at Three Different Surgical Intensive Care Units. <i>Shock</i> , 2013, 40, 95-100. | 2.1 | 1 |
| 49 | Clinical Features of Critically Ill Patients With Shiga Toxin \AA Induced Hemolytic Uremic Syndrome. <i>Critical Care Medicine</i> , 2013, 41, 1702-1710. | 0.9 | 26 |
| 50 | Virtual Autopsy as an Alternative to Traditional Medical Autopsy in the Intensive Care Unit. <i>Annals of Internal Medicine</i> , 2012, 156, 123. | 3.9 | 111 |
| 51 | Avoiding invasive mechanical ventilation by extracorporeal carbon dioxide removal in patients failing noninvasive ventilation. <i>Intensive Care Medicine</i> , 2012, 38, 1632-1639. | 8.2 | 172 |
| 52 | Effect of Empirical Treatment With Moxifloxacin and Meropenem vs Meropenem on Sepsis-Related Organ Dysfunction in Patients With Severe Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 2390. | 7.4 | 201 |
| 53 | Do centrally pre-prepared solutions achieve more reliable drug concentrations than solutions prepared on the ward?. <i>Intensive Care Medicine</i> , 2011, 37, 1311-1316. | 8.2 | 28 |
| 54 | Interventional lung assist enables lung protective mechanical ventilation in acute respiratory distress syndrome. <i>Minerva Anestesiologica</i> , 2011, 77, 797-801. | 1.0 | 17 |

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|----|--|-----|-----------|
| 55 | “Anal angina” pelvic sepsis and streptococcal toxic shock syndrome after rectoscopy and mucosal biopsy. <i>International Journal of Colorectal Disease</i> , 2008, 23, 225-226. | 2.2 | 1 |
| 56 | Safety of percutaneous dilational tracheostomy in hematopoietic stem cell transplantation recipients requiring long-term mechanical ventilation. <i>Journal of Critical Care</i> , 2008, 23, 394-398. | 2.2 | 16 |
| 57 | Tracheostomy in the Intensive Care Unit: A Nationwide Survey. <i>Anesthesia and Analgesia</i> , 2008, 107, 1639-1643. | 2.2 | 131 |
| 58 | Monitoring of whole-body hyperthermia with transesophageal echocardiography (TEE). <i>International Journal of Hyperthermia</i> , 2007, 23, 457-466. | 2.5 | 3 |
| 59 | Use of polyclonal immunoglobulins as adjunctive therapy for sepsis or septic shock*. <i>Critical Care Medicine</i> , 2007, 35, 2677-2685. | 0.9 | 209 |
| 60 | Use of polyclonal immunoglobulins as adjunctive therapy for sepsis or septic shock. <i>Critical Care Medicine</i> , 2007, 35, 2677-85. | 0.9 | 109 |
| 61 | Serial monitoring of interleukin-1?, soluble interleukin-2 receptor and lipopolysaccharide binding protein levels after death. <i>International Journal of Legal Medicine</i> , 2005, 119, 80-87. | 2.2 | 35 |
| 62 | Evolution of Donor Morbidity in Living Related Liver Transplantation. <i>Annals of Surgery</i> , 2004, 240, 1013-1026. | 4.2 | 148 |
| 63 | Reversal of immunoparalysis by recombinant human granulocyte-macrophage colony-stimulating factor in patients with severe sepsis. <i>Intensive Care Medicine</i> , 2003, 29, 646-651. | 8.2 | 156 |
| 64 | Ventilation performance of a mixed group of operators using a new rescue breathing device—the glossopalatal tube. <i>Resuscitation</i> , 2003, 59, 197-202. | 3.0 | 6 |
| 65 | Effects of whole body hyperthermia (41.8 degrees C) on the frequency of tumor cells in the peripheral blood of patients with advanced malignancies. <i>Clinical Cancer Research</i> , 2003, 9, 2079-84. | 7.0 | 17 |
| 66 | Tumor oxygenation under combined whole-body-hyperthermia and polychemotherapy in a case of recurrent carcinoma of the oral cavity. <i>European Archives of Oto-Rhino-Laryngology</i> , 2002, 259, 27-31. | 1.6 | 6 |
| 67 | 41.8°C whole body hyperthermia as an adjunct to chemotherapy induces prolonged T cell activation in patients with various malignant diseases. <i>Cancer Immunology, Immunotherapy</i> , 2002, 51, 603-613. | 4.2 | 57 |
| 68 | Effect of flunarizine on cerebral blood flow in baboons with or without focal cerebral ischaemia. <i>Neurological Research</i> , 1990, 12, 60-62. | 1.3 | 5 |