

Joel Starkopf

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,513
citations

24
h-index

48
g-index

93
ext. papers

3,141
ext. citations

4.1
avg, IF

4.72
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 90 | Early enteral nutrition in critically ill patients: ESICM clinical practice guidelines. <i>Intensive Care Medicine</i> , 2017 , 43, 380-398 | 14.5 | 319 |
| 89 | Gastrointestinal function in intensive care patients: terminology, definitions and management. Recommendations of the ESICM Working Group on Abdominal Problems. <i>Intensive Care Medicine</i> , 2012 , 38, 384-94 | 14.5 | 255 |
| 88 | Gastrointestinal failure score in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2008 , 12, R90 | 10.8 | 132 |
| 87 | Risk factors for intra-abdominal hypertension and abdominal compartment syndrome among adult intensive care unit patients: a systematic review and meta-analysis. <i>Critical Care</i> , 2013 , 17, R249 | 10.8 | 131 |
| 86 | Gastrointestinal symptoms in intensive care patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2009 , 53, 318-24 | 10.4 | 124 |
| 85 | Gastrointestinal symptoms during the first week of intensive care are associated with poor outcome: a prospective multicentre study. <i>Intensive Care Medicine</i> , 2013 , 39, 899-909 | 14.5 | 93 |
| 84 | Definition, prevalence, and outcome of feeding intolerance in intensive care: a systematic review and meta-analysis. <i>Acta Anaesthesiologica Scandinavica</i> , 2014 , 58, 914-22 | 1.9 | 93 |
| 83 | Primary and secondary intra-abdominal hypertension--different impact on ICU outcome. <i>Intensive Care Medicine</i> , 2008 , 34, 1624-31 | 14.5 | 80 |
| 82 | Hyperoxia elicits myocardial protection through a nuclear factor kappaB-dependent mechanism in the rat heart. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003 , 125, 650-60 | 1.5 | 76 |
| 81 | Incidence, Risk Factors, and Outcomes of Intra-Abdominal Hypertension in Critically Ill Patients-A Prospective Multicenter Study (IROI Study). <i>Critical Care Medicine</i> , 2019 , 47, 535-542 | 1.4 | 72 |
| 80 | Postoperative complications and mortality after major gastrointestinal surgery. <i>Medicina (Lithuania)</i> , 2014 , 50, 111-7 | 3.1 | 63 |
| 79 | Gastrointestinal failure in intensive care: a retrospective clinical study in three different intensive care units in Germany and Estonia. <i>BMC Gastroenterology</i> , 2006 , 6, 19 | 3 | 57 |
| 78 | Pharmacokinetics of meropenem determined by microdialysis in the peritoneal fluid of patients with severe peritonitis associated with septic shock. <i>Clinical Pharmacology and Therapeutics</i> , 2008 , 83, 452-9 | 6.1 | 55 |
| 77 | Pretreating rats with hyperoxia attenuates ischemia-reperfusion injury of the heart. <i>Life Sciences</i> , 2001 , 68, 1629-40 | 6.8 | 54 |
| 76 | Risk factors for intra-abdominal hypertension in mechanically ventilated patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2011 , 55, 607-14 | 1.9 | 50 |
| 75 | Comparison of different definitions of feeding intolerance: A retrospective observational study. <i>Clinical Nutrition</i> , 2015 , 34, 956-61 | 5.9 | 49 |
| 74 | Lipid peroxidation, arachidonic acid and products of the lipoxygenase pathway in ischaemic preconditioning of rat heart. <i>Cardiovascular Research</i> , 1998 , 37, 66-75 | 9.9 | 40 |

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|----|---|------|----|
| 73 | Cardioprotection by breathing hyperoxic gas-relation to oxygen concentration and exposure time in rats and mice. <i>European Journal of Cardio-thoracic Surgery</i> , 2002 , 21, 987-94 | 3 | 36 |
| 72 | Time course of oxidative stress during open-heart surgery. <i>Scandinavian Journal of Thoracic and Cardiovascular Surgery</i> , 1995 , 29, 181-6 | | 36 |
| 71 | Preconditioning with hydrogen peroxide (H2O2) or ischemia in H2O2-induced cardiac dysfunction. <i>Free Radical Research</i> , 1998 , 29, 235-45 | 4 | 33 |
| 70 | Protective effect of antioxidants on pulmonary endothelial function after cardiopulmonary bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2003 , 17, 314-20 | 2.1 | 31 |
| 69 | Gastrointestinal dysfunction in the critically ill: a systematic scoping review and research agenda proposed by the Section of Metabolism, Endocrinology and Nutrition of the European Society of Intensive Care Medicine. <i>Critical Care</i> , 2020 , 24, 224 | 10.8 | 29 |
| 68 | Inflammatory/oxidative stress during the first week after different types of cardiac surgery. <i>Scandinavian Cardiovascular Journal</i> , 2010 , 44, 119-24 | 2 | 26 |
| 67 | The evidence of oxidative stress in cardiac surgery and septic patients: a comparative study. <i>Clinica Chimica Acta</i> , 1997 , 262, 77-88 | 6.2 | 25 |
| 66 | Pretreatment with methylprednisolone protects the isolated rat heart against ischaemic and oxidative damage. <i>Free Radical Research</i> , 2000 , 33, 31-43 | 4 | 23 |
| 65 | Gastrointestinal failure in the ICU. <i>Current Opinion in Critical Care</i> , 2016 , 22, 128-41 | 3.5 | 23 |
| 64 | Preischemic bradykinin and ischaemic preconditioning in functional recovery of the globally ischaemic rat heart. <i>Cardiovascular Research</i> , 1997 , 33, 63-70 | 9.9 | 21 |
| 63 | Abdominal signs and symptoms in intensive care patients. <i>Anaesthesiology Intensive Therapy</i> , 2015 , 47, 379-87 | 1.7 | 20 |
| 62 | Space GlucoseControl system for blood glucose control in intensive care patients--a European multicentre observational study. <i>BMC Anesthesiology</i> , 2016 , 16, 8 | 2.4 | 19 |
| 61 | Antioxidant UPF1 attenuates myocardial stunning in isolated rat hearts. <i>International Journal of Cardiology</i> , 2008 , 125, 133-5 | 3.2 | 18 |
| 60 | Pre-treatment with hyperoxia before coronary artery bypass grafting - effects on myocardial injury and inflammatory response. <i>Acta Anaesthesiologica Scandinavica</i> , 2007 , 51, 1305-13 | 1.9 | 18 |
| 59 | The reasons for insufficient enteral feeding in an intensive care unit: A prospective observational study. <i>Intensive and Critical Care Nursing</i> , 2015 , 31, 309-14 | 3.1 | 17 |
| 58 | Prevalence of malnutrition in various political, economic, and geographic settings. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015 , 39, 200-10 | 4.2 | 17 |
| 57 | Should we measure intra-abdominal pressures in every intensive care patient?. <i>Annals of Intensive Care</i> , 2012 , 2 Suppl 1, S9 | 8.9 | 16 |
| 56 | Aortic arch thrombosis in a neonate with heterozygous carrier status of factor V Leiden mutation. <i>Congenital Heart Disease</i> , 2006 , 1, 40-5 | 3.1 | 16 |

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|----|---|-----|----|
| 55 | Distribution of metronidazole in muscle tissue of patients with septic shock and its efficacy against <i>Bacteroides fragilis</i> in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , 2005 , 55, 341-6 | 5.1 | 16 |
| 54 | Clinical evaluation of the intestinal microcirculation using sidestream dark field imaging--recommendations of a round table meeting. <i>Clinical Hemorheology and Microcirculation</i> , 2014 , 57, 137-46 | 2.5 | 15 |
| 53 | An antioxidant tetrapeptide UPF1 in rats has a neuroprotective effect in transient global brain ischemia. <i>Neuroscience Letters</i> , 2004 , 370, 45-50 | 3.3 | 15 |
| 52 | Exposure of rats to hyperoxia enhances relaxation of isolated aortic rings and reduces infarct size of isolated hearts. <i>Acta Physiologica Scandinavica</i> , 2002 , 175, 271-7 | | 14 |
| 51 | Abdominal Compartment Syndrome: Improving Outcomes With A Multidisciplinary Approach - A Narrative Review. <i>Journal of Multidisciplinary Healthcare</i> , 2019 , 12, 1061-1074 | 2.8 | 14 |
| 50 | The Effect of Remote Ischaemic Preconditioning on Arterial Stiffness in Patients Undergoing Vascular Surgery: A Randomised Clinical Trial. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019 , 57, 868-875 | 2.3 | 13 |
| 49 | Gastrointestinal failure affects outcome of intensive care. <i>Journal of Critical Care</i> , 2019 , 52, 103-108 | 4 | 13 |
| 48 | Expanded measurements of intra-abdominal pressure do not increase the detection rate of intra-abdominal hypertension: a single-center observational study. <i>Critical Care Medicine</i> , 2014 , 42, 378-86 | 1.4 | 12 |
| 47 | Intra-abdominal hypertension and gastrointestinal symptoms in mechanically ventilated patients. <i>Critical Care Research and Practice</i> , 2011 , 2011, 982507 | 1.5 | 11 |
| 46 | Mild to moderate intra-abdominal hypertension: Does it matter?. <i>World Journal of Critical Care Medicine</i> , 2016 , 5, 96-102 | 3 | 11 |
| 45 | Implementation of enteral feeding protocol in an intensive care unit: Before-and-after study. <i>World Journal of Critical Care Medicine</i> , 2017 , 6, 56-64 | 3 | 11 |
| 44 | 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 | 5.9 | 11 |
| 43 | Moderate intra-abdominal hypertension is associated with an increased lactate-pyruvate ratio in the rectus abdominis muscle tissue: a pilot study during laparoscopic surgery. <i>Annals of Intensive Care</i> , 2012 , 2 Suppl 1, S14 | 8.9 | 10 |
| 42 | Perioperative penetration of metronidazole into muscle tissue: a microdialysis study. <i>European Journal of Clinical Pharmacology</i> , 2004 , 59, 809-13 | 2.8 | 10 |
| 41 | Pharmacokinetics and pharmacodynamics of piperacillin/tazobactam during high volume haemodiafiltration in patients with septic shock. <i>Acta Anaesthesiologica Scandinavica</i> , 2016 , 60, 230-40 | 1.9 | 9 |
| 40 | Off-pump coronary surgery causes immediate release of myocardial damage markers. <i>Asian Cardiovascular and Thoracic Annals</i> , 2009 , 17, 494-9 | 0.6 | 9 |
| 39 | Long-term outcome of bystander-witnessed out-of-hospital cardiac arrest in Estonia from 1999 to 2002. <i>Resuscitation</i> , 2009 , 80, 73-8 | 4 | 9 |
| 38 | Effects of 60 minutes of hyperoxia followed by normoxia before coronary artery bypass grafting on the inflammatory response profile and myocardial injury. <i>Journal of Negative Results in BioMedicine</i> , 2012 , 11, 14 | | 8 |

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| 37 | Growth factors serum levels in coronary artery disease patients scheduled for bypass surgery: perioperative dynamics and comparisons with healthy volunteers. <i>BioMed Research International</i> , 2013 , 2013, 985404 | 3 | 8 |
| 36 | Changes of plasma asymmetric dimethylarginine levels after coronary artery bypass grafting. <i>Scandinavian Cardiovascular Journal</i> , 2006 , 40, 363-7 | 2 | 8 |
| 35 | Remote Ischaemic Preconditioning Attenuates Cardiac Biomarkers During Vascular Surgery: A Randomised Clinical Trial. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020 , 59, 301-308 | 2.3 | 7 |
| 34 | The role of elevated high-sensitivity cardiac troponin on outcomes following severe blunt chest trauma. <i>Injury</i> , 2020 , 51, 1177-1182 | 2.5 | 7 |
| 33 | Pharmacokinetics of doripenem during high volume hemodiafiltration in patients with septic shock. <i>Journal of Clinical Pharmacology</i> , 2015 , 55, 438-46 | 2.9 | 6 |
| 32 | Dosing of Milrinone in Preterm Neonates to Prevent Postligation Cardiac Syndrome: Simulation Study Suggests Need for Bolus Infusion. <i>Neonatology</i> , 2017 , 111, 8-11 | 4 | 6 |
| 31 | Perioperative gastrointestinal problems in the ICU. <i>Anesthesiology Intensive Therapy</i> , 2018 , 50, 59-71 | 1.7 | 6 |
| 30 | Development of the Gastrointestinal Dysfunction Score (GIDS) for critically ill patients - A prospective multicenter observational study (iSOFA study). <i>Clinical Nutrition</i> , 2021 , 40, 4932-4940 | 5.9 | 6 |
| 29 | Effects of high volume haemodiafiltration on inflammatory response profile and microcirculation in patients with septic shock. <i>BioMed Research International</i> , 2015 , 2015, 125615 | 3 | 5 |
| 28 | The updated clinical guideline development process in Estonia is an efficient method for developing evidence-based guidelines. <i>Journal of Clinical Epidemiology</i> , 2013 , 66, 132-9 | 5.7 | 5 |
| 27 | Correction: Gastrointestinal Failure score in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2008 , 12, 435 | 10.8 | 5 |
| 26 | Early postoperative function of the heart after coronary artery bypass grafting is not predicted by myocardial necrosis and glutathione-associated oxidative stress. <i>Clinica Chimica Acta</i> , 2005 , 359, 195-202 | 6.2 | 5 |
| 25 | Pretreatment by hyperoxia--a tool to reduce ischaemia-reperfusion injury in the myocardium. <i>Current Clinical Pharmacology</i> , 2010 , 5, 125-32 | 2.5 | 5 |
| 24 | The black box revelation: monitoring gastrointestinal function. <i>Anesthesiology Intensive Therapy</i> , 2018 , 50, 72-81 | 1.7 | 5 |
| 23 | Hypophosphatemia in critically ill adults and children - A systematic review. <i>Clinical Nutrition</i> , 2021 , 40, 1744-1754 | 5.9 | 5 |
| 22 | Remote Ischaemic Preconditioning Reduces Kidney Injury Biomarkers in Patients Undergoing Open Surgical Lower Limb Revascularisation: A Randomised Trial. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 7098505 | 6.7 | 4 |
| 21 | Sublingual microcirculation in patients with intra-abdominal hypertension: a pilot study in 15 critically ill patients. <i>Journal of Critical Care</i> , 2014 , 29, 183.e1-6 | 4 | 4 |
| 20 | Sublingual microcirculatory changes during transient intra-abdominal hypertension--a prospective observational study in laparoscopic surgery patients. <i>Clinical Hemorheology and Microcirculation</i> , 2014 , 57, 367-74 | 2.5 | 4 |

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| 19 | Population pharmacokinetics and pharmacodynamics of dobutamine in neonates on the first days of life. <i>British Journal of Clinical Pharmacology</i> , 2020 , 86, 318-328 | 3.8 | 4 |
| 18 | Genetic variants in humanin nuclear isoform gene regions show no association with coronary artery disease. <i>BMC Research Notes</i> , 2019 , 12, 759 | 2.3 | 4 |
| 17 | Moderate intra-abdominal hypertension leads to anaerobic metabolism in the rectus abdominis muscle tissue of critically ill patients: a prospective observational study. <i>BioMed Research International</i> , 2014 , 2014, 857492 | 3 | 3 |
| 16 | In vivo chronic carvedilol treatment in rats attenuates ex vivo regional infarction of the heart. <i>Scandinavian Cardiovascular Journal</i> , 2006 , 40, 240-7 | 2 | 3 |
| 15 | Prevalence of hypophosphatemia in the ICU - Results of an international one-day point prevalence survey. <i>Clinical Nutrition</i> , 2021 , 40, 3615-3621 | 5.9 | 3 |
| 14 | Population Pharmacokinetics and Dosing of Milrinone After Patent Ductus Arteriosus Ligation in Preterm Infants. <i>Pediatric Critical Care Medicine</i> , 2019 , 20, 621-629 | 3 | 3 |
| 13 | A sensitive method for the simultaneous UHPLC-MS/MS analysis of milrinone and dobutamine in blood plasma using NHF as the eluent additive and ascorbic acid as a stabilizer. <i>Clinical Mass Spectrometry</i> , 2019 , 12, 23-29 | 1.9 | 2 |
| 12 | Successful liver transplantation after 21 days of hepatic coma. <i>ASAIO Journal</i> , 2011 , 57, 545-6 | 3.6 | 2 |
| 11 | Translating the European Society for Clinical Nutrition and Metabolism 2019 guidelines into practice. <i>Current Opinion in Critical Care</i> , 2019 , 25, 314-321 | 3.5 | 2 |
| 10 | Intra-abdominal hypertension and hypoxic respiratory failure together predict adverse outcome - A sub-analysis of a prospective cohort. <i>Journal of Critical Care</i> , 2021 , 64, 165-172 | 4 | 2 |
| 9 | Adaptation to Ischemia by in vivo Exposure to Hyperoxia Signalling through Mitogen Activated Protein Kinases and Nuclear Factor Kappa B. <i>Progress in Experimental Cardiology</i> , 2003 , 461-477 | | 2 |
| 8 | Two Cases of Takotsubo Syndrome Related to Tracheal Intubation/Extubation. <i>Medicina (Lithuania)</i> , 2012 , 48, 10 | 3.1 | 1 |
| 7 | Remote ischaemic preconditioning influences the levels of acylcarnitines in vascular surgery: a randomised clinical trial. <i>Nutrition and Metabolism</i> , 2020 , 17, 76 | 4.6 | 1 |
| 6 | Cardiovascular SOFA score may not reflect current practice. <i>Intensive Care Medicine</i> , 2021 , 1 | 14.5 | 1 |
| 5 | Intra-abdominal hypertension and abdominal compartment syndrome in the critically ill liver cirrhotic patient-prevalence and clinical outcomes. A multicentric retrospective cohort study in intensive care. <i>PLoS ONE</i> , 2021 , 16, e0251498 | 3.7 | 0 |
| 4 | Enteral nutrition and dynamics of citrulline and intestinal fatty acid-binding protein in adult ICU patients. <i>Clinical Nutrition ESPEN</i> , 2021 , 45, 322-332 | 1.3 | 0 |
| 3 | Deepening of sedation with propofol has limited effect on intra-abdominal pressure - An interventional study in mechanically ventilated adult patients with intra-abdominal hypertension. <i>Journal of Critical Care</i> , 2021 , 65, 98-103 | 4 | 0 |
| 2 | Dosing of Ertapenem in an Extreme Obesity: A Case Report of 250 kg Patient. <i>Case Reports in Critical Care</i> , 2017 , 2017, 5310768 | 1 | |

- 1 Gastrointestinal Failure, Clinical Presentations, and Treatment. *Hot Topics in Acute Care Surgery and Trauma*, **2022**, 149-167 0.1