

Joel Starkopf

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

3,724
citations

201674

27
h-index

138484

58
g-index

93
all docs

93
docs citations

93
times ranked

3372
citing authors

#	ARTICLE	IF	CITATIONS
1	Early enteral nutrition in critically ill patients: ESICM clinical practice guidelines. <i>Intensive Care Medicine</i> , 2017, 43, 380-398.	8.2	528
2	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, 384-394.	8.2	408
3	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.	5.8	185
4	Gastrointestinal Failure score in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2008, 12, R90.	5.8	179
5	Gastrointestinal symptoms in intensive care patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 318-324.	1.6	161
6	Definition, prevalence, and outcome of feeding intolerance in intensive care: a systematic review and meta-analysis. <i>Acta Anaesthesiologica Scandinavica</i> , 2014, 58, 914-922.	1.6	155
7	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.	8.2	139
8	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.	0.9	124
9	Postoperative complications and mortality after major gastrointestinal surgery. <i>Medicina (Lithuania)</i> , 2014, 50, 111-117.	2.0	101
10	Primary and secondary intra-abdominal hypertension—different impact on ICU outcome. <i>Intensive Care Medicine</i> , 2008, 34, 1624-1631.	8.2	99
11	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.	5.8	96
12	Hyperoxia elicits myocardial protection through a nuclear factor κ B-dependent mechanism in the rat heart. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 125, 650-660.	0.8	87
13	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.	2.0	84
14	Comparison of different definitions of feeding intolerance: A retrospective observational study. <i>Clinical Nutrition</i> , 2015, 34, 956-961.	5.0	73
15	Risk factors for intra-abdominal hypertension in mechanically ventilated patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 607-614.	1.6	64
16	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, 452-459.	4.7	63
17	Pretreating rats with hyperoxia attenuates ischemia-reperfusion injury of the heart. <i>Life Sciences</i> , 2001, 68, 1629-1640.	4.3	61
18	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.	5.0	49

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19	Time Course of Oxidative Stress During Open-Heart Surgery. <i>Scandinavian Journal of Thoracic and Cardiovascular Surgery</i> , 1995, 29, 181-186.	0.2	47
20	Lipid peroxidation, arachidonic acid and products of the lipoxigenase pathway in ischaemic preconditioning of rat heart. <i>Cardiovascular Research</i> , 1998, 37, 66-75.	3.8	46
21	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, 987-994.	1.4	40
22	Preconditioning with hydrogen peroxide (H ₂ O ₂) or ischemia in H ₂ O ₂ -induced cardiac dysfunction. <i>Free Radical Research</i> , 1998, 29, 235-245.	3.3	36
23	Protective effect of antioxidants on pulmonary endothelial function after cardiopulmonary bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2003, 17, 314-320.	1.3	36
24	Gastrointestinal failure in the ICU. <i>Current Opinion in Critical Care</i> , 2016, 22, 1.	3.2	36
25	Inflammatory/oxidative stress during the first week after different types of cardiac surgery. <i>Scandinavian Cardiovascular Journal</i> , 2010, 44, 119-124.	1.2	34
26	The evidence of oxidative stress in cardiac surgery and septic patients: A comparative study. <i>Clinica Chimica Acta</i> , 1997, 262, 77-88.	1.1	29
27	Abdominal signs and symptoms in intensive care patients. <i>Anaesthesiology Intensive Therapy</i> , 2015, 47, 379-387.	1.0	29
28	Hypophosphatemia in critically ill adults and children — A systematic review. <i>Clinical Nutrition</i> , 2021, 40, 1744-1754.	5.0	29
29	Preischaemic bradykinin and ischaemic preconditioning in functional recovery of the globally ischaemic rat heart. <i>Cardiovascular Research</i> , 1997, 33, 63-70.	3.8	28
30	The reasons for insufficient enteral feeding in an intensive care unit: A prospective observational study. <i>Intensive and Critical Care Nursing</i> , 2015, 31, 309-314.	2.9	28
31	Space GlucoseControl system for blood glucose control in intensive care patients - a European multicentre observational study. <i>BMC Anesthesiology</i> , 2015, 16, 8.	1.8	26
32	Gastrointestinal failure affects outcome of intensive care. <i>Journal of Critical Care</i> , 2019, 52, 103-108.	2.2	26
33	Pretreatment with methylprednisolone protects the isolated rat heart against ischaemic and oxidative damage. <i>Free Radical Research</i> , 2000, 33, 31-43.	3.3	25
34	Prevalence of Malnutrition in Various Political, Economic, and Geographic Settings. <i>Journal of Parenteral and Enteral Nutrition</i> , 2015, 39, 200-210.	2.6	25
35	<p>Abdominal Compartment Syndrome: Improving Outcomes With A Multidisciplinary Approach — A Narrative Review</p>. <i>Journal of Multidisciplinary Healthcare</i> , 2019, Volume 12, 1061-1074.	2.7	24
36	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.	5.0	23

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37	Pre-treatment with hyperoxia before coronary artery bypass grafting " effects on myocardial injury and inflammatory response. <i>Acta Anaesthesiologica Scandinavica</i> , 2007, 51, 1305-1313.	1.6	22
38	Should we measure intra-abdominal pressures in every intensive care patient?. <i>Annals of Intensive Care</i> , 2012, 2, S9.	4.6	21
39	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, 341-346.	3.0	19
40	Antioxidant UPF1 attenuates myocardial stunning in isolated rat hearts. <i>International Journal of Cardiology</i> , 2008, 125, 133-135.	1.7	18
41	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, 137-146.	1.7	18
42	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, 271-277.	2.2	16
43	Aortic Arch Thrombosis in a Neonate With Heterozygous Carrier Status of Factor V Leiden Mutation. <i>Congenital Heart Disease</i> , 2006, 1, 40-45.	0.2	16
44	Expanded Measurements of Intra-Abdominal Pressure Do Not Increase the Detection Rate of Intra-Abdominal Hypertension. <i>Critical Care Medicine</i> , 2014, 42, 378-386.	0.9	16
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.	1.8	16
46	An antioxidant tetrapeptide UPF1 in rats has a neuroprotective effect in transient global brain ischemia. <i>Neuroscience Letters</i> , 2004, 370, 45-50.	2.1	15
47	Intra-Abdominal Hypertension and Gastrointestinal Symptoms in Mechanically Ventilated Patients. <i>Critical Care Research and Practice</i> , 2011, 2011, 1-5.	1.1	15
48	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.	1.5	15
49	The role of elevated high-sensitivity cardiac troponin on outcomes following severe blunt chest trauma. <i>Injury</i> , 2020, 51, 1177-1182.	1.7	15
50	Prevalence of hypophosphatemia in the ICU " Results of an international one-day point prevalence survey. <i>Clinical Nutrition</i> , 2021, 40, 3615-3621.	5.0	14
51	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, S14.	4.6	13
52	Pharmacokinetics and pharmacodynamics of piperacillin/tazobactam during high volume haemodiafiltration in patients with septic shock. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 230-240.	1.6	12
53	Mild to moderate intra-abdominal hypertension: Does it matter?. <i>World Journal of Critical Care Medicine</i> , 2016, 5, 96.	1.8	12
54	Perioperative penetration of metronidazole into muscle tissue: a microdialysis study. <i>European Journal of Clinical Pharmacology</i> , 2004, 59, 809-813.	1.9	11

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55	Off-Pump Coronary Surgery causes Immediate Release of Myocardial Damage Markers. <i>Asian Cardiovascular and Thoracic Annals</i> , 2009, 17, 494-499.	0.5	11
56	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.	2.5	10
57	Cardiovascular SOFA score may not reflect current practice. <i>Intensive Care Medicine</i> , 2022, 48, 119-120.	8.2	10
58	Changes of plasma asymmetric dimethylarginine levels after coronary artery bypass grafting. <i>Scandinavian Cardiovascular Journal</i> , 2006, 40, 363-367.	1.2	9
59	Long-term outcome of bystander-witnessed out-of-hospital cardiac arrest in Estonia from 1999 to 2002. <i>Resuscitation</i> , 2009, 80, 73-78.	3.0	9
60	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, 1-5.	1.9	9
61	Genetic variants in humanin nuclear isoform gene regions show no association with coronary artery disease. <i>BMC Research Notes</i> , 2019, 12, 759.	1.4	9
62	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.	1.5	9
63	Perioperative gastrointestinal problems in the ICU. <i>Anesthesiology Intensive Therapy</i> , 2018, 50, 59-71.	1.0	9
64	The black box revelation: monitoring gastrointestinal function. <i>Anesthesiology Intensive Therapy</i> , 2018, 50, 72-81.	1.0	9
65	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.	1.4	8
66	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, 1-8.	4.0	8
67	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.	1.1	7
68	Correction: Gastrointestinal Failure score in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2008, 12, 435.	5.8	7
69	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.	2.0	7
70	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.	2.4	7
71	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.	1.2	7
72	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.	2.2	7

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73	Pharmacokinetics of doripenem during high volume hemodiafiltration in patients with septic shock. <i>Journal of Clinical Pharmacology</i> , 2015, 55, 438-446.	2.0	6
74	Population Pharmacokinetics and Dosing of Milrinone After Patent Ductus Arteriosus Ligation in Preterm Infants. <i>Pediatric Critical Care Medicine</i> , 2019, 20, 621-629.	0.5	6
75	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, 132-139.	5.0	5
76	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.e1-183.e6.	2.2	5
77	Effects of High Volume Haemodiafiltration on Inflammatory Response Profile and Microcirculation in Patients with Septic Shock. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	5
78	A sensitive method for the simultaneous UHPLC-MS/MS analysis of milrinone and dobutamine in blood plasma using NH ₄ F as the eluent additive and ascorbic acid as a stabilizer. <i>Clinical Mass Spectrometry</i> , 2019, 12, 23-29.	1.9	5
79	Translating the European Society for Clinical Nutrition and Metabolism 2019 guidelines into practice. <i>Current Opinion in Critical Care</i> , 2019, 25, 314-321.	3.2	5
80	Pretreatment by Hyperoxia - A Tool to Reduce Ischaemia-Reperfusion Injury in the Myocardium. <i>Current Clinical Pharmacology</i> , 2010, 5, 125-132.	0.6	5
81	Sublingual microcirculatory changes during transient intra-abdominal hypertension – A prospective observational study in laparoscopic surgery patients. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 57, 367-374.	1.7	4
82	In vivo chronic carvedilol treatment in rats attenuates sex vivo regional infarction of the heart. <i>Scandinavian Cardiovascular Journal</i> , 2006, 40, 240-247.	1.2	3
83	Two Cases of Takotsubo Syndrome Related to Tracheal Intubation/Extubation. <i>Medicina (Lithuania)</i> , 2012, 48, 10.	2.0	3
84	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, 1-8.	1.9	3
85	Remote ischaemic preconditioning influences the levels of acylcarnitines in vascular surgery: a randomised clinical trial. <i>Nutrition and Metabolism</i> , 2020, 17, 76.	3.0	3
86	Successful Liver Transplantation After 21 Days of Hepatic Coma. <i>ASAIO Journal</i> , 2011, 57, 545-546.	1.6	2
87	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.	2.2	2
88	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.	0.0	2
89	Remote Ischaemic Preconditioning Attenuates Kidney Injury Perioperatively in Patients Undergoing Surgical Lower Limb Revascularisation. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, e391-e392.	1.5	1
90	A possible role for inducible nitric oxide synthase in hyperoxia-induced myocardial protection. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, A62.	1.9	0

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91	Dosing of Ertapenem in an Extreme Obesity: A Case Report of 250%kg Patient. Case Reports in Critical Care, 2017, 2017, 1-3.	0.4	0
92	Gastrointestinal Failure, Clinical Presentations, and Treatment. Hot Topics in Acute Care Surgery and Trauma, 2022, , 149-167.	0.1	0