

Johan Mrtensson

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.

111
papers

3,489
citations

28
h-index

57
g-index

124
ext. papers

4,198
ext. citations

4.2
avg, IF

5.45
L-index

#	Paper	IF	Citations
111	Neutrophil gelatinase-associated lipocalin in adult septic patients with and without acute kidney injury. <i>Intensive Care Medicine</i> , 2010 , 36, 1333-40	14.5	681
110	The outcome of neutrophil gelatinase-associated lipocalin-positive subclinical acute kidney injury: a multicenter pooled analysis of prospective studies. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1752-61	15.1	485
109	Acute kidney injury in sepsis. <i>Intensive Care Medicine</i> , 2017 , 43, 816-828	14.5	309
108	Novel biomarkers of acute kidney injury and failure: clinical applicability. <i>British Journal of Anaesthesia</i> , 2012 , 109, 843-50	5.4	177
107	The rise and fall of NGAL in acute kidney injury. <i>Blood Purification</i> , 2014 , 37, 304-10	3.1	135
106	Targeted therapeutic mild hypercapnia after cardiac arrest: A phase II multi-centre randomised controlled trial (the CCC trial). <i>Resuscitation</i> , 2016 , 104, 83-90	4	83
105	Acute kidney injury in the ICU: from injury to recovery: reports from the 5th Paris International Conference. <i>Annals of Intensive Care</i> , 2017 , 7, 49	8.9	72
104	Immunoassays distinguishing between HNL/NGAL released in urine from kidney epithelial cells and neutrophils. <i>Clinica Chimica Acta</i> , 2012 , 413, 1661-7	6.2	69
103	Continuous glucose monitoring in the ICU: clinical considerations and consensus. <i>Critical Care</i> , 2017 , 21, 197	10.8	65
102	Evolution of chronic renal impairment and long-term mortality after de novo acute kidney injury in the critically ill; a Swedish multi-centre cohort study. <i>Critical Care</i> , 2015 , 19, 221	10.8	64
101	Acute kidney injury following severe trauma: Risk factors and long-term outcome. <i>Journal of Trauma and Acute Care Surgery</i> , 2015 , 79, 407-12	3.3	61
100	Sepsis-Induced Acute Kidney Injury. <i>Critical Care Clinics</i> , 2015 , 31, 649-60	4.5	52
99	Cystatin C is correlated with mortality in patients with and without acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 3096-102	4.3	51
98	Assessment of cell-cycle arrest biomarkers to predict early and delayed acute kidney injury. <i>Disease Markers</i> , 2015 , 2015, 158658	3.2	50
97	Intraoperative hypotension is associated with myocardial damage in noncardiac surgery: An observational study. <i>European Journal of Anaesthesiology</i> , 2016 , 33, 450-6	2.3	49
96	Mean arterial pressure and mean perfusion pressure deficit in septic acute kidney injury. <i>Journal of Critical Care</i> , 2015 , 30, 975-81	4	46
95	Long-term mortality and risk factors for development of end-stage renal disease in critically ill patients with and without chronic kidney disease. <i>Critical Care</i> , 2015 , 19, 383	10.8	46

94	Direct oral anticoagulant use and risk of severe COVID-19. <i>Journal of Internal Medicine</i> , 2021 , 289, 411-419.	10.8	40
93	The Presence of Diabetes and Higher HbA Are Independently Associated With Adverse Outcomes After Surgery. <i>Diabetes Care</i> , 2018 , 41, 1172-1179	14.6	37
92	Review of Evidence for Adult Diabetic Ketoacidosis Management Protocols. <i>Frontiers in Endocrinology</i> , 2017 , 8, 106	5.7	36
91	Association of plasma neutrophil gelatinase-associated lipocalin (NGAL) with sepsis and acute kidney dysfunction. <i>Biomarkers</i> , 2013 , 18, 349-56	2.6	35
90	Impact of sepsis on levels of plasma cystatin C in AKI and non-AKI patients. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 576-81	4.3	35
89	Bioelectrical impedance vector analysis in critically ill patients: a prospective, clinician-blinded investigation. <i>Critical Care</i> , 2015 , 19, 290	10.8	32
88	Liberal Versus Conventional Glucose Targets in Critically Ill Diabetic Patients: An Exploratory Safety Cohort Assessment. <i>Critical Care Medicine</i> , 2016 , 44, 1683-91	1.4	32
87	Conservative oxygen therapy in mechanically ventilated patients following cardiac arrest: A retrospective nested cohort study. <i>Resuscitation</i> , 2016 , 101, 108-14	4	30
86	Neutrophil Gelatinase-Associated Lipocalin Measured on Clinical Laboratory Platforms for the Prediction of Acute Kidney Injury and the Associated Need for Dialysis Therapy: A Systematic Review and Meta-analysis. <i>American Journal of Kidney Diseases</i> , 2020 , 76, 826-841.e1	7.4	30
85	Superiority of Serum Cystatin C Over Creatinine in Prediction of Long-Term Prognosis at Discharge From ICU. <i>Critical Care Medicine</i> , 2017 , 45, e932-e940	1.4	29
84	Liberal Glucose Control in ICU Patients With Diabetes: A Before-and-After Study. <i>Critical Care Medicine</i> , 2018 , 46, 935-942	1.4	29
83	Characteristics and outcomes of patients with COVID-19 admitted to ICU in a tertiary hospital in Stockholm, Sweden. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 76-81	1.9	28
82	Small volume resuscitation with 20% albumin in intensive care: physiological effects : The SWIPE randomised clinical trial. <i>Intensive Care Medicine</i> , 2018 , 44, 1797-1806	14.5	27
81	Defining the characteristics and expectations of fluid bolus therapy: A worldwide perspective. <i>Journal of Critical Care</i> , 2016 , 35, 126-32	4	25
80	Coagulation in acutely ill patients with severe chronic liver disease: Insights from thromboelastography. <i>Journal of Critical Care</i> , 2017 , 38, 215-224	4	23
79	A comparison of therapeutic hypothermia and strict therapeutic normothermia after cardiac arrest. <i>Resuscitation</i> , 2016 , 106, 83-8	4	23
78	Femoral Access and Delivery of Continuous Renal Replacement Therapy Dose. <i>Blood Purification</i> , 2016 , 41, 11-7	3.1	22
77	Assessment of agreement and interchangeability between the TEG5000 and TEG6S thromboelastography haemostasis analysers: a prospective validation study. <i>BMC Anesthesiology</i> , 2019 , 19, 45	2.4	20

76	Pathophysiology of Septic Acute Kidney Injury. <i>Contributions To Nephrology</i> , 2016 , 187, 36-46	1.6	18
75	Glycated Hemoglobin A1c Levels Are Not Affected by Critical Illness. <i>Critical Care Medicine</i> , 2016 , 44, 1692-4	1.4	18
74	Plasma endostatin may improve acute kidney injury risk prediction in critically ill patients. <i>Annals of Intensive Care</i> , 2016 , 6, 6	8.9	18
73	Erythropoietin in traumatic brain injury associated acute kidney injury: A randomized controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2019 , 63, 200-207	1.9	17
72	Are all fluids bad for the kidney?. <i>Current Opinion in Critical Care</i> , 2015 , 21, 292-301	3.5	17
71	The performance of flash glucose monitoring in critically ill patients with diabetes. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 167-174	2.8	16
70	Urinary neutrophil gelatinase-associated lipocalin to hepcidin ratio as a biomarker of acute kidney injury in intensive care unit patients. <i>Minerva Anestesiologica</i> , 2015 , 81, 1192-200	1.9	15
69	Epidemiology of long-stay patients in a university teaching hospital. <i>Internal Medicine Journal</i> , 2017 , 47, 513-521	1.6	12
68	Creatinine versus cystatin C based glomerular filtration rate in critically ill patients. <i>Journal of Critical Care</i> , 2019 , 52, 136-140	4	12
67	Prevention of renal dysfunction in postoperative elderly patients. <i>Current Opinion in Critical Care</i> , 2014 , 20, 451-9	3.5	12
66	Long-term outcome after acute renal replacement therapy: a narrative review. <i>Acta Anaesthesiologica Scandinavica</i> , 2012 , 56, 138-46	1.9	12
65	Hemoglobin A1c and Permissive Hyperglycemia in Patients in the Intensive Care Unit with Diabetes. <i>Critical Care Clinics</i> , 2019 , 35, 289-300	4.5	11
64	Early glycemia and mortality in critically ill septic patients: Interaction with insulin-treated diabetes. <i>Journal of Critical Care</i> , 2018 , 45, 170-177	4	11
63	Impact of hemodynamic goal-directed resuscitation on mortality in adult critically ill patients: a systematic review and meta-analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2018 , 32, 403-414	2	11
62	Relative Hypoglycemia in Diabetic Patients With Critical Illness. <i>Critical Care Medicine</i> , 2020 , 48, e233-e240		11
61	Higher versus Lower Continuous Renal Replacement Therapy Intensity in Critically ill Patients with Liver Dysfunction. <i>Blood Purification</i> , 2018 , 45, 36-43	3.1	11
60	A multicentre randomised controlled pilot study of fluid resuscitation with saline or Plasma-Lyte 148 in critically ill patients. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2016 , 18, 205-12	2.8	11
59	Assessment of plasma endostatin to predict acute kidney injury in critically ill patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2017 , 61, 1286-1295	1.9	10

58	Association between fluid balance and mortality in patients with septic shock: a post hoc analysis of the TRISS trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2016 , 60, 925-33	1.9	10
57	Loop diuretic therapy in the critically ill: a survey. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2015 , 17, 223-6	2.8	10
56	Calprotectin as an early biomarker of bacterial infections in critically ill patients: an exploratory cohort assessment. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 205-213	2.8	10
55	Metabolic and electrolyte disturbance after cardiac arrest: How to deal with it. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2015 , 29, 471-84	4	9
54	Predictors and correlates of systolic blood pressure reduction with liraglutide treatment in patients with type 2 diabetes. <i>Journal of Clinical Hypertension</i> , 2019 , 21, 105-115	2.3	9
53	Long-term outcome after intensive care for COVID-19: differences between men and women-a nationwide cohort study. <i>Critical Care</i> , 2021 , 25, 86	10.8	9
52	Prevalence of ketosis, ketonuria, and ketoacidosis during liberal glycemic control in critically ill patients with diabetes: an observational study. <i>Critical Care</i> , 2016 , 20, 297	10.8	8
51	Sex and mortality in septic severe acute kidney injury. <i>Journal of Critical Care</i> , 2019 , 49, 70-76	4	8
50	Does fluid management affect the occurrence of acute kidney injury?. <i>Current Opinion in Anaesthesiology</i> , 2017 , 30, 84-91	2.9	7
49	Epidemiology of RBC Transfusions in Patients With Severe Acute Kidney Injury: Analysis From the Randomized Evaluation of Normal Versus Augmented Level Study. <i>Critical Care Medicine</i> , 2016 , 44, 892-900	1.4	7
48	Perioperative renal failure in elderly patients. <i>Current Opinion in Anaesthesiology</i> , 2015 , 28, 123-30	2.9	6
47	Assessing TEG6S reliability between devices and across multiple time points: A prospective thromboelastography validation study. <i>Scientific Reports</i> , 2020 , 10, 7045	4.9	6
46	Performance of plasma measurement of neutrophil gelatinase-associated lipocalin as a biomarker of bacterial infections in the intensive care unit. <i>Journal of Critical Care</i> , 2019 , 53, 264-270	4	6
45	Characteristics and expectations of fluid bolus therapy: a bi-national survey of acute care physicians. <i>Anaesthesia and Intensive Care</i> , 2015 , 43, 750-6	1.1	6
44	Predictors and Outcomes of Cardiac Surgery-Associated Delirium. A Single Centre Retrospective Cohort Study. <i>Heart Lung and Circulation</i> , 2019 , 28, 455-463	1.8	6
43	Pharmacokinetics of Magnesium Bolus Therapy in Cardiothoracic Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 1289-1294	2.1	6
42	Opinions and practices of blood glucose control in critically ill patients with pre-existing type 2 diabetes in Australian and New Zealand intensive care units. <i>Australian Critical Care</i> , 2019 , 32, 361-365	2.9	5
41	Pharmacodynamics of intravenous frusemide bolus in critically ill patients. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 142-149	2.8	5

40	Fluid balance after continuous renal replacement therapy initiation and outcome in paediatric multiple organ failure. <i>Acta Anaesthesiologica Scandinavica</i> , 2019 , 63, 1028-1036	1.9	4
39	Magnesium supplementation: Pharmacokinetics in cardiac surgery patients with normal renal function. <i>Journal of Critical Care</i> , 2018 , 44, 419-423	4	4
38	What's new in perioperative renal dysfunction?. <i>Intensive Care Medicine</i> , 2015 , 41, 514-6	14.5	4
37	A Post Hoc Analysis of Osmotherapy Use in the Erythropoietin in Traumatic Brain Injury Study-Associations With Acute Kidney Injury and Mortality. <i>Critical Care Medicine</i> , 2021 , 49, e394-e403	1.4	4
36	Creatinine- and Cystatin C-Based Incidence of Chronic Kidney Disease and Acute Kidney Disease in AKI Survivors. <i>Critical Care Research and Practice</i> , 2018 , 2018, 7698090	1.5	4
35	Study protocol and statistical analysis plan for the Liberal Glucose Control in Critically Ill Patients with Pre-existing Type 2 Diabetes (LUCID) trial. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020 , 22, 133-141	2.8	4
34	The effect of insulin administration on c-peptide in critically ill patients with type 2 diabetes. <i>Annals of Intensive Care</i> , 2017 , 7, 50	8.9	3
33	The effect of hemodynamic monitoring depends entirely on the action to which it leads. <i>Intensive Care Medicine</i> , 2015 , 41, 1171-2	14.5	3
32	Intra-day variability of cystatin C, creatinine and estimated GFR in intensive care patients. <i>Clinica Chimica Acta</i> , 2016 , 460, 1-4	6.2	3
31	Changes in intravenous fluid use patterns in Australia and New Zealand: evidence of research translating into practice. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2016 , 18, 78-88	2.8	3
30	Hospital-acquired complications in intensive care unit patients with diabetes: A before-and-after study of a conventional versus liberal glucose control protocol. <i>Acta Anaesthesiologica Scandinavica</i> , 2019 , 63, 761-768	1.9	2
29	Carotid artery and cerebral blood flow during experimental cardiopulmonary resuscitation: A systematic review of the literature. <i>Resuscitation</i> , 2019 , 138, 46-52	4	2
28	Point-of-care creatinine measurements to predict acute kidney injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2020 , 64, 766-773	1.9	2
27	Conservative versus conventional oxygen therapy for cardiac surgical patients: A before-and-after study. <i>Anaesthesia and Intensive Care</i> , 2019 , 47, 175-182	1.1	2
26	Rapid Evaluation of Coronavirus Illness Severity (RECOILS) in intensive care: Development and validation of a prognostic tool for in-hospital mortality. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 ,	1.9	2
25	The Rationale for Permissive Hyperglycemia in Critically Ill Patients with Diabetes. <i>Annual Update in Intensive Care and Emergency Medicine</i> , 2016 , 365-372	0.2	2
24	Glycemic lability index and mortality in critically ill patients-A multicenter cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 1267-1275	1.9	2
23	Prevalence and impact of chronic dysglycemia in intensive care unit patients-A retrospective cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 82-91	1.9	2

22	Laboratory-derived early warning score for the prediction of in-hospital mortality, intensive care unit admission, medical emergency team activation and cardiac arrest in general medical wards. <i>Internal Medicine Journal</i> , 2021 , 51, 746-751	1.6	2
21	Nationwide case-control study of risk factors and outcomes for community-acquired sepsis. <i>Scientific Reports</i> , 2021 , 11, 15118	4.9	2
20	Intensity of early correction of hyperglycaemia and outcome of critically ill patients with diabetic ketoacidosis. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 266-273	2.8	2
19	Comparison of Thromboelastography and Conventional Coagulation Tests in Patients With Severe Liver Disease. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020 , 26, 1076029620925915	3.3	1
18	The obesity paradox and hypoglycemia in critically ill patients. <i>Critical Care</i> , 2021 , 25, 378	10.8	1
17	The Frequency of, and Factors Associated with Prolonged Hospitalization: A Multicentre Study in Victoria, Australia. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
16	Clinical phenotypes and outcomes of SARS-CoV-2, influenza, RSV and seven other respiratory viruses: a retrospective study using complete hospital data. <i>Thorax</i> , 2021 ,	7.3	1
15	Chronic dysglycemia and risk of SARS-CoV-2 associated respiratory failure in hospitalized patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 ,	1.9	1
14	Long-term outcomes after severe drug overdose. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2016 , 18, 247-254	2.8	1
13	Peripheral venoarterial extracorporeal membrane oxygenation for severe hyperlactataemia after cardiac surgery: a pilot study. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 274-279	2.8	1
12	Impact of unit-wide chlorhexidine bathing in intensive care on bloodstream infection and drug-resistant organism acquisition. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2018 , 20, 109-116	2.8	1
11	Magnesium sulfate therapy after cardiac surgery: a before-and-after study comparing strategies involving bolus and continuous infusion. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2018 , 20, 209-216	2.8	1
10	Haemodynamic effects of cold versus warm fluid bolus in healthy volunteers: a randomised crossover trial. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2018 , 20, 277-284	2.8	1
9	Sepsis uncouples serum C-peptide and insulin levels in critically ill patients with type 2 diabetes mellitus. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2019 , 21, 87-95	2.8	1
8	Haemodynamic effect of a 20% albumin fluid bolus in post-cardiac surgery patients. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020 , 22, 15-25	2.8	1
7	Renal Energy Consumption and Metabolism 2019 , 59-64.e1		0
6	Thrombosis and Bleeding After Implementation of an Intermediate-Dose Prophylactic Anticoagulation Protocol in ICU Patients With COVID-19: A Multicenter Screening Study. <i>Journal of Intensive Care Medicine</i> , 2021 , 8850666211051960	3.3	0
5	A Pilot Randomized Controlled Study of Mild Hypercapnia During Cardiac Surgery With Cardiopulmonary Bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 2968-2978	2.1	

- 4 Continuous renal replacement therapy in septic patients: is it really harmful?. *Critical Care Medicine*, **2009**, 37, 2677-8; author reply 2678 1.4
- 3 Re: Assessment of acute kidney injury following severe trauma. *Journal of Trauma and Acute Care Surgery*, **2016**, 80, 552-3 3.3
- 2 Continuous Renal Replacement Therapy Versus Intermittent Haemodialysis: Impact on Clinical Outcomes **2016**, 43-49
- 1 Blood Glucose Control in Critical Care **2019**, 464-469.e2