

# Johan MÅrtensson

## List of Publications by Year in descending order

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Version: 2024-02-01

122  
papers

4,838  
citations

147801

31  
h-index

102487

66  
g-index

124  
all docs

124  
docs citations

124  
times ranked

5637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil gelatinase-associated lipocalin in adult septic patients with and without acute kidney injury. <i>Intensive Care Medicine</i> , 2010, 36, 1333-1340.	8.2	722
2	The Outcome of Neutrophil Gelatinase-Associated Lipocalin-Positive Subclinical Acute Kidney Injury. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1752-1761.	2.8	597
3	Acute kidney injury in sepsis. <i>Intensive Care Medicine</i> , 2017, 43, 816-828.	8.2	490
4	Novel biomarkers of acute kidney injury and failure: clinical applicability. <i>British Journal of Anaesthesia</i> , 2012, 109, 843-850.	3.4	212
5	The Rise and Fall of NGAL in Acute Kidney Injury. <i>Blood Purification</i> , 2014, 37, 304-310.	1.8	184
6	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.	3.0	134
7	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.	4.6	100
8	Continuous glucose monitoring in the ICU: clinical considerations and consensus. <i>Critical Care</i> , 2017, 21, 197.	5.8	96
9	Acute kidney injury following severe trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2015, 79, 407-412.	2.1	88
10	Immunoassays distinguishing between HNL/NGAL released in urine from kidney epithelial cells and neutrophils. <i>Clinica Chimica Acta</i> , 2012, 413, 1661-1667.	1.1	83
11	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.	5.8	81
12	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.	1.9	80
13	Direct oral anticoagulant use and risk of severe COVID-19. <i>Journal of Internal Medicine</i> , 2021, 289, 411-419.	6.0	76
14	Intraoperative hypotension is associated with myocardial damage in noncardiac surgery. <i>European Journal of Anaesthesiology</i> , 2016, 33, 450-456.	1.7	73
15	Sepsis-Induced Acute Kidney Injury. <i>Critical Care Clinics</i> , 2015, 31, 649-660.	2.6	71
16	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.	5.8	68
17	Mean arterial pressure and mean perfusion pressure deficit in septic acute kidney injury. <i>Journal of Critical Care</i> , 2015, 30, 975-981.	2.2	68
18	Cystatin C is correlated with mortality in patients with and without acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 3096-3102.	0.7	66

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19	Assessment of Cell-Cycle Arrest Biomarkers to Predict Early and Delayed Acute Kidney Injury. <i>Disease Markers</i> , 2015, 2015, 1-9.	1.3	62
20	Review of Evidence for Adult Diabetic Ketoacidosis Management Protocols. <i>Frontiers in Endocrinology</i> , 2017, 8, 106.	3.5	58
21	The Presence of Diabetes and Higher HbA1c Are Independently Associated With Adverse Outcomes After Surgery. <i>Diabetes Care</i> , 2018, 41, 1172-1179.	8.6	57
22	Small volume resuscitation with 20% albumin in intensive care: physiological effects. <i>Intensive Care Medicine</i> , 2018, 44, 1797-1806.	8.2	54
23	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.	0.9	48
24	Impact of sepsis on levels of plasma cystatin C in AKI and non-AKI patients. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 576-581.	0.7	47
25	Bioelectrical impedance vector analysis in critically ill patients: a prospective, clinician-blinded investigation. <i>Critical Care</i> , 2015, 19, 290.	5.8	46
26	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.	1.6	45
27	Liberal Glucose Control in ICU Patients With Diabetes: A Before-and-After Study*. <i>Critical Care Medicine</i> , 2018, 46, 935-942.	0.9	44
28	Liberal Versus Conventional Glucose Targets in Critically Ill Diabetic Patients: An Exploratory Safety Cohort Assessment. <i>Critical Care Medicine</i> , 2016, 44, 1683-1691.	0.9	42
29	Association of plasma neutrophil gelatinase-associated lipocalin (NGAL) with sepsis and acute kidney dysfunction. <i>Biomarkers</i> , 2013, 18, 349-356.	1.9	41
30	Conservative oxygen therapy in mechanically ventilated patients following cardiac arrest: A retrospective nested cohort study. <i>Resuscitation</i> , 2016, 101, 108-114.	3.0	37
31	Defining the characteristics and expectations of fluid bolus therapy: A worldwide perspective. <i>Journal of Critical Care</i> , 2016, 35, 126-132.	2.2	33
32	A comparison of therapeutic hypothermia and strict therapeutic normothermia after cardiac arrest. <i>Resuscitation</i> , 2016, 106, 83-88.	3.0	31
33	Relative Hypoglycemia in Diabetic Patients With Critical Illness. <i>Critical Care Medicine</i> , 2020, 48, e233-e240.	0.9	31
34	Coagulation in acutely ill patients with severe chronic liver disease: Insights from thromboelastography. <i>Journal of Critical Care</i> , 2017, 38, 215-224.	2.2	30
35	Assessment of agreement and interchangeability between the TEG5000 and TEG6S thromboelastography haemostasis analysers: a prospective validation study. <i>BMC Anesthesiology</i> , 2019, 19, 45.	1.8	30
36	Glycated Hemoglobin A1c Levels Are Not Affected by Critical Illness. <i>Critical Care Medicine</i> , 2016, 44, 1692-1694.	0.9	28

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37	Femoral Access and Delivery of Continuous Renal Replacement Therapy Dose. <i>Blood Purification</i> , 2016, 41, 11-17.	1.8	26
38	Plasma endostatin may improve acute kidney injury risk prediction in critically ill patients. <i>Annals of Intensive Care</i> , 2016, 6, 6.	4.6	25
39	Erythropoietin in traumatic brain injury associated acute kidney injury: A randomized controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 200-207.	1.6	24
40	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> , 2022, 77, 1-10.	5.6	24
41	Are all fluids bad for the kidney?. <i>Current Opinion in Critical Care</i> , 2015, 21, 292-301.	3.2	23
42	Association between fluid balance and mortality in patients with septic shock: a post hoc analysis of the <scp>TRISS</scp> trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 925-933.	1.6	20
43	Pathophysiology of Septic Acute Kidney Injury. <i>Contributions To Nephrology</i> , 2016, 187, 36-46.	1.1	20
44	Creatinine versus cystatin C based glomerular filtration rate in critically ill patients. <i>Journal of Critical Care</i> , 2019, 52, 136-140.	2.2	20
45	Long-term outcome after intensive care for COVID-19: differences between men and womenâ€”a nationwide cohort study. <i>Critical Care</i> , 2021, 25, 86.	5.8	20
46	Epidemiology of longâ€”stay patients in a university teaching hospital. <i>Internal Medicine Journal</i> , 2017, 47, 513-521.	0.8	19
47	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.	0.1	18
48	Early glycemia and mortality in critically ill septic patients: Interaction with insulin-treated diabetes. <i>Journal of Critical Care</i> , 2018, 45, 170-177.	2.2	17
49	Urinary neutrophil gelatinase-associated lipocalin to hepcidin ratio as a biomarker of acute kidney injury in intensive care unit patients. <i>Minerva Anesthesiologica</i> , 2015, 81, 1192-200.	1.0	17
50	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.	5.8	15
51	Sex and mortality in septic severe acute kidney injury. <i>Journal of Critical Care</i> , 2019, 49, 70-76.	2.2	15
52	The obesity paradox and hypoglycemia in critically ill patients. <i>Critical Care</i> , 2021, 25, 378.	5.8	15
53	The Effect of a Liberal Approach to Glucose Control in Critically Ill Patients with Type 2 Diabetes: A Multicenter, Parallel-Group, Open-Label Randomized Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 874-882.	5.6	15
54	Longâ€”term outcome after acute renal replacement therapy: a narrative review. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 138-146.	1.6	14

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55	Prevention of renal dysfunction in postoperative elderly patients. <i>Current Opinion in Critical Care</i> , 2014, 20, 451-459.	3.2	14
56	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.	0.9	14
57	Assessment of plasma endostatin to predict acute kidney injury in critically ill patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2017, 61, 1286-1295.	1.6	14
58	Renal function during sevoflurane or total intravenous propofol anaesthesia: a single-centre parallel randomised controlled study. <i>British Journal of Anaesthesia</i> , 2022, 128, 838-848.	3.4	14
59	Metabolic and electrolyte disturbance after cardiac arrest: How to deal with it. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2015, 29, 471-484.	4.0	13
60	Predictors and Outcomes of Cardiac Surgery-Associated Delirium. A Single Centre Retrospective Cohort Study. <i>Heart Lung and Circulation</i> , 2019, 28, 455-463.	0.4	13
61	The Frequency of, and Factors Associated with Prolonged Hospitalization: A Multicentre Study in Victoria, Australia. <i>Journal of Clinical Medicine</i> , 2020, 9, 3055.	2.4	13
62	Assessing TEG6S reliability between devices and across multiple time points: A prospective thromboelastography validation study. <i>Scientific Reports</i> , 2020, 10, 7045.	3.3	13
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.	1.6	12
64	Higher versus Lower Continuous Renal Replacement Therapy Intensity in Critically ill Patients with Liver Dysfunction. <i>Blood Purification</i> , 2018, 45, 36-43.	1.8	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.	2.6	12
66	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.	2.0	12
67	Comparison of Thromboelastography and Conventional Coagulation Tests in Patients With Severe Liver Disease. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020, 26, 107602962092591.	1.7	12
68	Glycemic lability index and mortality in critically ill patients—A multicenter cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 1267-1275.	1.6	12
69	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.	0.1	12
70	Perioperative renal failure in elderly patients. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 123-130.	2.0	11
71	Does fluid management affect the occurrence of acute kidney injury?. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 84-91.	2.0	11
72	Pharmacokinetics of Magnesium Bolus Therapy in Cardiothoracic Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1289-1294.	1.3	11

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73	Terlipressin or norepinephrine, or both in septic shock?. <i>Intensive Care Medicine</i> , 2018, 44, 1964-1966.	8.2	10
74	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.	2.2	10
75	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.	1.3	10
76	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.	0.1	10
77	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.	0.1	10
78	Characteristics and Expectations of Fluid Bolus Therapy: A Bi-National Survey of Acute Care Physicians. <i>Anaesthesia and Intensive Care</i> , 2015, 43, 750-756.	0.7	9
79	Epidemiology of RBC Transfusions in Patients With Severe Acute Kidney Injury. <i>Critical Care Medicine</i> , 2016, 44, 892-900.	0.9	9
80	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> , 2022, 66, 65-75.	1.6	9
81	Fluid accumulation and major adverse kidney events in sepsis: a multicenter observational study. <i>Annals of Intensive Care</i> , 2022, 12, .	4.6	8
82	Intra-day variability of cystatin C, creatinine and estimated GFR in intensive care patients. <i>Clinica Chimica Acta</i> , 2016, 460, 1-4.	1.1	7
83	Magnesium supplementation: Pharmacokinetics in cardiac surgery patients with normal renal function. <i>Journal of Critical Care</i> , 2018, 44, 419-423.	2.2	7
84	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, 1-8.	1.1	7
85	Glycemic Control and Risk of Sepsis and Subsequent Mortality in Type 2 Diabetes. <i>Diabetes Care</i> , 2022, 45, 127-133.	8.6	7
86	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.	4.6	6
87	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.	1.6	6
88	Prevalence and impact of chronic dysglycemia in intensive care unit patients—A retrospective cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 82-91.	1.6	6
89	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.	0.8	6
90	Fluid balance after continuous renal replacement therapy initiation and outcome in paediatric multiple organ failure. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 1028-1036.	1.6	5

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91	Point-of-care creatinine measurements to predict acute kidney injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 766-773.	1.6	5
92	Nationwide case-control study of risk factors and outcomes for community-acquired sepsis. <i>Scientific Reports</i> , 2021, 11, 15118.	3.3	5
93	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.	0.1	5
94	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.	0.1	5
95	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.	0.1	5
96	What's new in perioperative renal dysfunction?. <i>Intensive Care Medicine</i> , 2015, 41, 514-516.	8.2	4
97	The effect of hemodynamic monitoring depends entirely on the action to which it leads. <i>Intensive Care Medicine</i> , 2015, 41, 1171-1172.	8.2	3
98	Conservative versus conventional oxygen therapy for cardiac surgical patients: A before-and-after study. <i>Anaesthesia and Intensive Care</i> , 2019, 47, 175-182.	0.7	3
99	Carotid artery and cerebral blood flow during experimental cardiopulmonary resuscitation: A systematic review of the literature. <i>Resuscitation</i> , 2019, 138, 46-52.	3.0	3
100	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	3
101	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, , 088506662110519.	2.8	3
102	An observational study of intermediate- or high-dose thromboprophylaxis for critically ill COVID-19 patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 365-374.	1.6	3
103	Attenuating Acute Kidney Injury. <i>Critical Care Medicine</i> , 2015, 43, 1554-1555.	0.9	2
104	Chronic dysglycemia and risk of SARS-CoV-2 associated respiratory failure in hospitalized patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 48-55.	1.6	2
105	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.	0.1	2
106	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.	0.1	2
107	Patterns and determinants of blood transfusion in intensive care in Sweden between 2010 and 2018: A nationwide, retrospective cohort study. <i>Transfusion</i> , 0, , .	1.6	2
108	Renal Energy Consumption and Metabolism. , 2019, , 59-64.e1.		1

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109	Acute kidney injury after cardiac arrest: an unappreciated complication. <i>Minerva Anestesiologica</i> , 2016, 82, 929-31.	1.0	1
110	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.	0.1	1
111	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.	0.1	1
112	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.	0.1	1
113	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.	0.1	1
114	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.	0.1	1
115	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.	0.1	1
116	Continuous renal replacement therapy in septic patients: Is it really harmful?. <i>Critical Care Medicine</i> , 2009, 37, 2677-2678.	0.9	0
117	Re. <i>Journal of Trauma and Acute Care Surgery</i> , 2016, 80, 552-553.	2.1	0
118	Continuous Renal Replacement Therapy Versus Intermittent Haemodialysis: Impact on Clinical Outcomes. , 2016, , 43-49.		0
119	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.	1.3	0
120	Blood Glucose Control in Critical Care. , 2019, , 464-469.e2.		0
121	Nature and impact of in-hospital complications associated with persistent critical illness. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020, 22, 378-387.	0.1	0
122	COVID-19 critical illness in Sweden: characteristics and outcomes at a national population level. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020, 22, 312-320.	0.1	0