

Rinaldo Bellomo

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Version: 2024-04-23

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578
papers

43,961
citations

77
h-index

204
g-index

653
ext. papers

55,052
ext. citations

6.9
avg, IF

7.64
L-index

#	Paper	IF	Citations
578	The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 801-10	27.4	10067
577	Acute renal failure - definition, outcome measures, animal models, fluid therapy and information technology needs: the Second International Consensus Conference of the Acute Dialysis Quality Initiative (ADQI) Group. <i>Critical Care</i> , 2004 , 8, R204-12	10.8	4473
576	A comparison of albumin and saline for fluid resuscitation in the intensive care unit. <i>New England Journal of Medicine</i> , 2004 , 350, 2247-56	59.2	2053
575	Introduction of the medical emergency team (MET) system: a cluster-randomised controlled trial. <i>Lancet, The</i> , 2005 , 365, 2091-7	40	1509
574	Accuracy of neutrophil gelatinase-associated lipocalin (NGAL) in diagnosis and prognosis in acute kidney injury: a systematic review and meta-analysis. <i>American Journal of Kidney Diseases</i> , 2009 , 54, 1012-24	27.4	1404
573	Goal-directed resuscitation for patients with early septic shock. <i>New England Journal of Medicine</i> , 2014 , 371, 1496-506	59.2	1211
572	Mortality related to severe sepsis and septic shock among critically ill patients in Australia and New Zealand, 2000-2012. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 1308-16	27.4	1011
571	Continuous renal replacement therapy: a worldwide practice survey. The beginning and ending supportive therapy for the kidney (B.E.S.T. kidney) investigators. <i>Intensive Care Medicine</i> , 2007 , 33, 1563-70	14.5	934
570	Acute kidney injury. <i>Lancet, The</i> , 2012 , 380, 756-66	40	922
569	An observational study fluid balance and patient outcomes in the Randomized Evaluation of Normal vs. Augmented Level of Replacement Therapy trial. <i>Critical Care Medicine</i> , 2012 , 40, 1753-60	1.4	698
568	A prospective before-and-after trial of a medical emergency team. <i>Medical Journal of Australia</i> , 2003 , 179, 283-7	4	523
567	Prognostic Accuracy of the SOFA Score, SIRS Criteria, and qSOFA Score for In-Hospital Mortality Among Adults With Suspected Infection Admitted to the Intensive Care Unit. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 317, 290-300	27.4	507
566	Rapid-response teams. <i>New England Journal of Medicine</i> , 2011 , 365, 139-46	59.2	487
565	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
564	Adjunctive Glucocorticoid Therapy in Patients with Septic Shock. <i>New England Journal of Medicine</i> , 2018 , 378, 797-808	59.2	433
563	Effect of a Buffered Crystalloid Solution vs Saline on Acute Kidney Injury Among Patients in the Intensive Care Unit: The SPLIT Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1701-10	27.4	423
562	Acute kidney injury. <i>Lancet, The</i> , 2019 , 394, 1949-1964	40	388

561	Angiotensin II for the Treatment of Vasodilatory Shock. <i>New England Journal of Medicine</i> , 2017 , 377, 419-430	59.2	377
560	Restrictive versus Liberal Fluid Therapy for Major Abdominal Surgery. <i>New England Journal of Medicine</i> , 2018 , 378, 2263-2274	59.2	349
559	Acute kidney injury in sepsis. <i>Intensive Care Medicine</i> , 2017 , 43, 816-828	14.5	309
558	Adult-population incidence of severe sepsis in Australian and New Zealand intensive care units. <i>Intensive Care Medicine</i> , 2004 , 30, 589-96	14.5	296
557	Defining and classifying acute renal failure: from advocacy to consensus and validation of the RIFLE criteria. <i>Intensive Care Medicine</i> , 2007 , 33, 409-13	14.5	294
556	Defining acute renal failure: physiological principles. <i>Intensive Care Medicine</i> , 2004 , 30, 33-7	14.5	270
555	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. <i>Annals of the American Thoracic Society</i> , 2019 , 16, 22-28	4.7	267
554	Cardiac surgery-associated acute kidney injury: risk factors, pathophysiology and treatment. <i>Nature Reviews Nephrology</i> , 2017 , 13, 697-711	14.9	242
553	Sepsis-associated hyperlactatemia. <i>Critical Care</i> , 2014 , 18, 503	10.8	228
552	Effect of Dexmedetomidine Added to Standard Care on Ventilator-Free Time in Patients With Agitated Delirium: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1460-8	27.4	222
551	Choice of renal replacement therapy modality and dialysis dependence after acute kidney injury: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2013 , 39, 987-97	14.5	213
550	Arterial hyperoxia and in-hospital mortality after resuscitation from cardiac arrest. <i>Critical Care</i> , 2011 , 15, R90	10.8	203
549	Effect of Vitamin C, Hydrocortisone, and Thiamine vs Hydrocortisone Alone on Time Alive and Free of Vasopressor Support Among Patients With Septic Shock: The VITAMINS Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 423-431	27.4	193
548	Bench-to-bedside review: Chloride in critical illness. <i>Critical Care</i> , 2010 , 14, 226	10.8	193
547	Continuous versus Intermittent Lactam Infusion in Severe Sepsis. A Meta-analysis of Individual Patient Data from Randomized Trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 681-91	10.2	192
546	The relationship between early emergency team calls and serious adverse events. <i>Critical Care Medicine</i> , 2009 , 37, 148-53	1.4	189
545	Why we should be wary of single-center trials. <i>Critical Care Medicine</i> , 2009 , 37, 3114-9	1.4	188
544	Fluid management for the prevention and attenuation of acute kidney injury. <i>Nature Reviews Nephrology</i> , 2014 , 10, 37-47	14.9	187

543	Novel biomarkers, oxidative stress, and the role of labile iron toxicity in cardiopulmonary bypass-associated acute kidney injury. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 2024-33	15.1	186
542	Development and implementation of a high-quality clinical database: the Australian and New Zealand Intensive Care Society Adult Patient Database. <i>Journal of Critical Care</i> , 2006 , 21, 133-41	4	178
541	Early Sedation with Dexmedetomidine in Critically Ill Patients. <i>New England Journal of Medicine</i> , 2019 , 380, 2506-2517	59.2	173
540	Erythropoietin in traumatic brain injury (EPO-TBI): a double-blind randomised controlled trial. <i>Lancet, The</i> , 2015 , 386, 2499-506	40	164
539	A controlled trial of electronic automated advisory vital signs monitoring in general hospital wards. <i>Critical Care Medicine</i> , 2012 , 40, 2349-61	1.4	151
538	Conservative versus Liberal Oxygenation Targets for Mechanically Ventilated Patients. A Pilot Multicenter Randomized Controlled Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 43-51	10.2	150
537	A Multicenter Randomized Trial of Continuous versus Intermittent β -Lactam Infusion in Severe Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 1298-305	10.2	147
536	Oliguria as predictive biomarker of acute kidney injury in critically ill patients. <i>Critical Care</i> , 2011 , 15, R172	10.8	142
535	Long-term risk of adverse outcomes after acute kidney injury: a systematic review and meta-analysis of cohort studies using consensus definitions of exposure. <i>Kidney International</i> , 2019 , 95, 160-172	9.9	136
534	Conservative Oxygen Therapy during Mechanical Ventilation in the ICU. <i>New England Journal of Medicine</i> , 2020 , 382, 989-998	59.2	135
533	Energy-Dense versus Routine Enteral Nutrition in the Critically Ill. <i>New England Journal of Medicine</i> , 2018 , 379, 1823-1834	59.2	133
532	Renal blood flow and function during recovery from experimental septic acute kidney injury. <i>Intensive Care Medicine</i> , 2007 , 33, 1614-8	14.5	126
531	Restricted versus continued standard caloric intake during the management of refeeding syndrome in critically ill adults: a randomised, parallel-group, multicentre, single-blind controlled trial. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 943-52	35.1	124
530	Arterial oxygen tension and mortality in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2012 , 38, 91-8	14.5	120
529	The predictive performance of plasma neutrophil gelatinase-associated lipocalin (NGAL) increases with grade of acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 3349-54	4.3	120
528	Arterial carbon dioxide tension and outcome in patients admitted to the intensive care unit after cardiac arrest. <i>Resuscitation</i> , 2013 , 84, 927-34	4	118
527	Renal replacement therapy in acute kidney injury: controversy and consensus. <i>Critical Care</i> , 2015 , 19, 146	10.8	117
526	Outcomes in Patients with Vasodilatory Shock and Renal Replacement Therapy Treated with Intravenous Angiotensin II. <i>Critical Care Medicine</i> , 2018 , 46, 949-957	1.4	115

525	Chloride-liberal vs. chloride-restrictive intravenous fluid administration and acute kidney injury: an extended analysis. <i>Intensive Care Medicine</i> , 2015 , 41, 257-64	14.5	114
524	Vasoactive drugs and acute kidney injury. <i>Critical Care Medicine</i> , 2008 , 36, S179-86	1.4	112
523	Age of Red Cells for Transfusion and Outcomes in Critically Ill Adults. <i>New England Journal of Medicine</i> , 2017 , 377, 1858-1867	59.2	107
522	Stress hyperlactataemia: present understanding and controversy. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 339-347	18.1	101
521	Plasma-Lyte 148 vs 0.9% saline for fluid resuscitation in diabetic ketoacidosis. <i>Journal of Critical Care</i> , 2012 , 27, 138-45	4	99
520	The effect of hyperoxia following cardiac arrest - A systematic review and meta-analysis of animal trials. <i>Resuscitation</i> , 2012 , 83, 417-22	4	99
519	Intrarenal and urinary oxygenation during norepinephrine resuscitation in ovine septic acute kidney injury. <i>Kidney International</i> , 2016 , 90, 100-8	9.9	97
518	Extended Daily Dialysis Versus Continuous Renal Replacement Therapy for Acute Kidney Injury: A Meta-analysis. <i>American Journal of Kidney Diseases</i> , 2015 , 66, 322-30	7.4	96
517	Sedation Intensity in the First 48 Hours of Mechanical Ventilation and 180-Day Mortality: A Multinational Prospective Longitudinal Cohort Study. <i>Critical Care Medicine</i> , 2018 , 46, 850-859	1.4	93
516	Characteristics and outcomes of patients receiving a medical emergency team review for acute change in conscious state or arrhythmias. <i>Critical Care Medicine</i> , 2008 , 36, 477-81	1.4	93
515	Urinary biomarkers in septic acute kidney injury. <i>Intensive Care Medicine</i> , 2007 , 33, 1285-1296	14.5	91
514	Timing of onset and burden of persistent critical illness in Australia and New Zealand: a retrospective, population-based, observational study. <i>Lancet Respiratory Medicine</i> , 2016 , 4, 566-573	35.1	91
513	Long-term survival and dialysis dependency following acute kidney injury in intensive care: extended follow-up of a randomized controlled trial. <i>PLoS Medicine</i> , 2014 , 11, e1001601	11.6	88
512	Renal perfusion in sepsis: from macro- to microcirculation. <i>Kidney International</i> , 2017 , 91, 45-60	9.9	87
511	Development and Reporting of Prediction Models: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals. <i>Critical Care Medicine</i> , 2020 , 48, 623-633	1.4	86
510	Current oxygen management in mechanically ventilated patients: a prospective observational cohort study. <i>Journal of Critical Care</i> , 2013 , 28, 647-54	4	86
509	A multicenter study on the effect of continuous hemodiafiltration intensity on antibiotic pharmacokinetics. <i>Critical Care</i> , 2015 , 19, 84	10.8	86
508	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

507	Sepsis: frontiers in diagnosis, resuscitation and antibiotic therapy. <i>Intensive Care Medicine</i> , 2016 , 42, 1958-1969	8.1	81
506	Controversies in acute kidney injury: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Conference. <i>Kidney International</i> , 2020 , 98, 294-309	9.9	80
505	Sepsis-associated acute kidney injury: macrohemodynamic and microhemodynamic alterations in the renal circulation. <i>Seminars in Nephrology</i> , 2015 , 35, 64-74	4.8	79
504	The ten pitfalls of lactate clearance in sepsis. <i>Intensive Care Medicine</i> , 2019 , 45, 82-85	14.5	79
503	Prophylactic perioperative sodium bicarbonate to prevent acute kidney injury following open heart surgery: a multicenter double-blinded randomized controlled trial. <i>PLoS Medicine</i> , 2013 , 10, e1001426	11.6	79
502	Nomenclature for renal replacement therapy in acute kidney injury: basic principles. <i>Critical Care</i> , 2016 , 20, 318	10.8	78
501	Effect of an automated notification system for deteriorating ward patients on clinical outcomes. <i>Critical Care</i> , 2017 , 21, 52	10.8	77
500	Bicarbonate in diabetic ketoacidosis - a systematic review. <i>Annals of Intensive Care</i> , 2011 , 1, 23	8.9	75
499	Characteristics and outcomes of patients receiving a medical emergency team review for respiratory distress or hypotension. <i>Journal of Critical Care</i> , 2008 , 23, 325-31	4	75
498	Physiological changes after fluid bolus therapy in sepsis: a systematic review of contemporary data. <i>Critical Care</i> , 2014 , 18, 696	10.8	73
497	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
496	A pilot randomised controlled comparison of continuous veno-venous haemofiltration and extended daily dialysis with filtration: effect on small solutes and acid-base balance. <i>Intensive Care Medicine</i> , 2007 , 33, 830-835	14.5	72
495	Epinephrine and short-term survival in cardiogenic shock: an individual data meta-analysis of 2583 patients. <i>Intensive Care Medicine</i> , 2018 , 44, 847-856	14.5	71
494	Defining, quantifying, and classifying acute renal failure. <i>Critical Care Clinics</i> , 2005 , 21, 223-37	4.5	69
493	A critique of fluid bolus resuscitation in severe sepsis. <i>Critical Care</i> , 2012 , 16, 302	10.8	68
492	A prospective study of factors influencing the outcome of patients after a Medical Emergency Team review. <i>Intensive Care Medicine</i> , 2008 , 34, 2112-6	14.5	67
491	Medical emergency team syndromes and an approach to their management. <i>Critical Care</i> , 2006 , 10, R30	10.8	65
490	Glycemic control in the ICU. <i>Chest</i> , 2011 , 140, 212-220	5.3	64

489	Documentation of clinical review and vital signs after major surgery. <i>Medical Journal of Australia</i> , 2008 , 189, 380-3	4	64
488	The Impact of Fluid Balance on the Detection, Classification and Outcome of Acute Kidney Injury After Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 1229-35	2.1	63
487	Intravenous fluid therapy in critically ill adults. <i>Nature Reviews Nephrology</i> , 2018 , 14, 541-557	14.9	63
486	Sepsis-induced acute kidney injury: A disease of the microcirculation. <i>Microcirculation</i> , 2019 , 26, e12483	2.9	62
485	Pre-renal azotemia: a flawed paradigm in critically ill septic patients?. <i>Contributions To Nephrology</i> , 2007 , 156, 1-9	1.6	62
484	Near infrared spectroscopy (NIRS) of the thenar eminence in anesthesia and intensive care. <i>Annals of Intensive Care</i> , 2012 , 2, 11	8.9	61
483	Venous thromboembolic events in critically ill traumatic brain injury patients. <i>Intensive Care Medicine</i> , 2017 , 43, 419-428	14.5	60
482	Perioperative Hemodynamic Instability and Fluid Overload are Associated with Increasing Acute Kidney Injury Severity and Worse Outcome after Cardiac Surgery. <i>Blood Purification</i> , 2017 , 43, 298-308	3.1	59
481	Effect of Stress Ulcer Prophylaxis With Proton Pump Inhibitors vs Histamine-2 Receptor Blockers on In-Hospital Mortality Among ICU Patients Receiving Invasive Mechanical Ventilation: The PEPTIC Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 616-626	27.4	59
480	Association between augmented renal clearance and clinical outcomes in patients receiving β -lactam antibiotic therapy by continuous or intermittent infusion: a nested cohort study of the BLING-II randomised, placebo-controlled, clinical trial. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 624-630	14.3	56
479	Nomenclature for renal replacement therapy and blood purification techniques in critically ill patients: practical applications. <i>Critical Care</i> , 2016 , 20, 283	10.8	56
478	The impact of disability in survivors of critical illness. <i>Intensive Care Medicine</i> , 2017 , 43, 992-1001	14.5	55
477	Pre-morbid glycemic control modifies the interaction between acute hypoglycemia and mortality. <i>Intensive Care Medicine</i> , 2016 , 42, 562-571	14.5	55
476	HyperOxic Therapy OR NormOxic Therapy after out-of-hospital cardiac arrest (HOT OR NOT): a randomised controlled feasibility trial. <i>Resuscitation</i> , 2014 , 85, 1686-91	4	55
475	The effects of saline or albumin resuscitation on acid-base status and serum electrolytes. <i>Critical Care Medicine</i> , 2006 , 34, 2891-7	1.4	55
474	The effect of normal saline resuscitation on vital organ blood flow in septic sheep. <i>Intensive Care Medicine</i> , 2006 , 32, 1238-42	14.5	55
473	Patient monitoring and the timing of cardiac arrests and medical emergency team calls in a teaching hospital. <i>Intensive Care Medicine</i> , 2006 , 32, 1352-6	14.5	55
472	Randomized Evidence for Reduction of Perioperative Mortality: An Updated Consensus Process. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 719-730	2.1	54

471	Pilot double-blind, randomized controlled trial of short-term atorvastatin for prevention of acute kidney injury after cardiac surgery. <i>Nephrology</i> , 2012 , 17, 215-24	2.2	54
470	Septic acute kidney injury: new concepts. <i>Nephron Experimental Nephrology</i> , 2008 , 109, e95-100		54
469	The epidemiology of acute renal failure: 1975 versus 2005. <i>Current Opinion in Critical Care</i> , 2006 , 12, 557-560		54
468	Characteristics, treatment, outcomes and cause of death of invasively ventilated patients with COVID-19 ARDS in Milan, Italy. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020 ,	2.8	54
467	The intensive care medicine agenda on acute kidney injury. <i>Intensive Care Medicine</i> , 2017 , 43, 1198-1209	14.5	53
466	Association of Net Ultrafiltration Rate With Mortality Among Critically Ill Adults With Acute Kidney Injury Receiving Continuous Venovenous Hemodiafiltration: A Secondary Analysis of the Randomized Evaluation of Normal vs Augmented Level (RENAL) of Renal Replacement Therapy Trial. <i>MMWR Morbidity and Mortality Weekly Report</i> , 2019 , 68, e195416	10.4	53
465	The meaning of the blood urea nitrogen/creatinine ratio in acute kidney injury. <i>CKJ: Clinical Kidney Journal</i> , 2012 , 5, 187-191	4.5	53
464	Sepsis-Induced Acute Kidney Injury. <i>Critical Care Clinics</i> , 2015 , 31, 649-60	4.5	52
463	Cardiopulmonary arrest and mortality trends, and their association with rapid response system expansion. <i>Medical Journal of Australia</i> , 2014 , 201, 167-70	4	52
462	Preoperative Renal Functional Reserve Predicts Risk of Acute Kidney Injury After Cardiac Operation. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 1094-1101	2.7	50
461	The impact of implementing a rapid response system: a comparison of cardiopulmonary arrests and mortality among four teaching hospitals in Australia. <i>Resuscitation</i> , 2014 , 85, 1275-81	4	50
460	Assessment of cell-cycle arrest biomarkers to predict early and delayed acute kidney injury. <i>Disease Markers</i> , 2015 , 2015, 158658	3.2	50
459	Restricted fluid resuscitation in suspected sepsis associated hypotension (REFRESH): a pilot randomised controlled trial. <i>Intensive Care Medicine</i> , 2018 , 44, 2070-2078	14.5	49
458	Estimation of fluid status changes in critically ill patients: fluid balance chart or electronic bed weight?. <i>Journal of Critical Care</i> , 2012 , 27, 745.e7-12	4	48
457	Economics of dialysis dependence following renal replacement therapy for critically ill acute kidney injury patients. <i>Nephrology Dialysis Transplantation</i> , 2015 , 30, 54-61	4.3	47
456	Combination of biomarkers for diagnosis of acute kidney injury after cardiopulmonary bypass. <i>Renal Failure</i> , 2015 , 37, 408-16	2.9	47
455	The nature and discriminatory value of urinary neutrophil gelatinase-associated lipocalin in critically ill patients at risk of acute kidney injury. <i>Intensive Care Medicine</i> , 2013 , 39, 1714-24	14.5	47
454	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

453	Net ultrafiltration intensity and mortality in critically ill patients with fluid overload. <i>Critical Care</i> , 2018 , 22, 223	10.8	46
452	Contrast-enhanced ultrasonography to evaluate changes in renal cortical microcirculation induced by noradrenaline: a pilot study. <i>Critical Care</i> , 2014 , 18, 653	10.8	45
451	The pursuit of a high central venous oxygen saturation in sepsis: growing concerns. <i>Critical Care</i> , 2008 , 12, 130	10.8	45
450	An assessment of the accuracy of renal blood flow estimation by Doppler ultrasound. <i>Intensive Care Medicine</i> , 2008 , 34, 1503-10	14.5	45
449	Characteristics, treatment, outcomes and cause of death of invasively ventilated patients with COVID-19 ARDS in Milan, Italy. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020 , 22, 200-211	2.8	45
448	Long-term measurement of renal cortical and medullary tissue oxygenation and perfusion in unanesthetized sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R832-9	3.2	44
447	Plasma-Lyte 148: A clinical review. <i>World Journal of Critical Care Medicine</i> , 2016 , 5, 235-250	3	44
446	Near-Infrared Spectroscopy in Adult Cardiac Surgery Patients: A Systematic Review and Meta-Analysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1155-1165	2.1	43
445	Greater increase in urinary hepcidin predicts protection from acute kidney injury after cardiopulmonary bypass. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 595-602	4.3	41
444	Blood purification in the intensive care unit: evolving concepts. <i>World Journal of Surgery</i> , 2001 , 25, 677-833	3.3	40
443	Effect of Intraoperative Low Tidal Volume vs Conventional Tidal Volume on Postoperative Pulmonary Complications in Patients Undergoing Major Surgery: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 848-858	27.4	40
442	Postoperative blood pressure deficit and acute kidney injury progression in vasopressor-dependent cardiovascular surgery patients. <i>Critical Care</i> , 2016 , 20, 74	10.8	39
441	The impact of experimental hypoperfusion on subsequent kidney function. <i>Intensive Care Medicine</i> , 2010 , 36, 533-40	14.5	39
440	Why is there such a difference in outcome between Australian intensive care units and others?. <i>Current Opinion in Anaesthesiology</i> , 2007 , 20, 100-5	2.9	38
439	Tracheal intubation in critically ill patients: a comprehensive systematic review of randomized trials. <i>Critical Care</i> , 2018 , 22, 6	10.8	37
438	Evidence-based medicine: classifying the evidence from clinical trials--the need to consider other dimensions. <i>Critical Care</i> , 2006 , 10, 232	10.8	37
437	The Effect of Renal Replacement Therapy and Antibiotic Dose on Antibiotic Concentrations in Critically Ill Patients: Data From the Multinational Sampling Antibiotics in Renal Replacement Therapy Study. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1369-1378	11.6	37
436	The effect of low-dose furosemide in critically ill patients with early acute kidney injury: A pilot randomized blinded controlled trial (the SPARK study). <i>Journal of Critical Care</i> , 2017 , 42, 138-146	4	35

435	Understanding renal functional reserve. <i>Intensive Care Medicine</i> , 2017 , 43, 917-920	14.5	34
434	Renin and Survival in Patients Given Angiotensin II for Catecholamine-Resistant Vasodilatory Shock. A Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1253-1261	10.2	34
433	Angiotensin I and angiotensin II concentrations and their ratio in catecholamine-resistant vasodilatory shock. <i>Critical Care</i> , 2020 , 24, 43	10.8	34
432	Urinary biomarkers may provide prognostic information for subclinical acute kidney injury after cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 2441-2452.e13	1.5	34
431	Timing of onset of persistent critical illness: a multi-centre retrospective cohort study. <i>Intensive Care Medicine</i> , 2018 , 44, 2134-2144	14.5	34
430	Strategies that improve renal medullary oxygenation during experimental cardiopulmonary bypass may mitigate postoperative acute kidney injury. <i>Kidney International</i> , 2019 , 95, 1338-1346	9.9	33
429	Impact of a standardized rapid response system on outcomes in a large healthcare jurisdiction. <i>Resuscitation</i> , 2016 , 107, 47-56	4	33
428	Bioelectrical impedance vector analysis in critically ill patients: a prospective, clinician-blinded investigation. <i>Critical Care</i> , 2015 , 19, 290	10.8	32
427	The impact of oxygen and carbon dioxide management on outcome after cardiac arrest. <i>Current Opinion in Critical Care</i> , 2014 , 20, 266-72	3.5	32
426	Clinical outcomes of patients seen by Rapid Response Teams: A template for benchmarking international teams. <i>Resuscitation</i> , 2016 , 107, 7-12	4	31
425	Common laboratory tests predict imminent death in ward patients. <i>Resuscitation</i> , 2013 , 84, 280-5	4	31
424	Changes in Bone Mineral Density in the Year after Critical Illness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 736-44	10.2	30
423	Conservative oxygen therapy in mechanically ventilated patients following cardiac arrest: A retrospective nested cohort study. <i>Resuscitation</i> , 2016 , 101, 108-14	4	30
422	Persistent decrease of renal functional reserve in patients after cardiac surgery-associated acute kidney injury despite clinical recovery. <i>Nephrology Dialysis Transplantation</i> , 2019 , 34, 308-317	4.3	30
421	Magnesium status and magnesium therapy in cardiac surgery: A systematic review and meta-analysis focusing on arrhythmia prevention. <i>Journal of Critical Care</i> , 2017 , 42, 69-77	4	30
420	Restrictive intraoperative fluid optimisation algorithm improves outcomes in patients undergoing pancreaticoduodenectomy: A prospective multicentre randomized controlled trial. <i>PLoS ONE</i> , 2017 , 12, e0183313	3.7	30
419	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
418	Prevalence, Characteristics, Risk Factors, and Outcomes of Invasively Ventilated COVID-19 Patients with Acute Kidney Injury and Renal Replacement Therapy. <i>Blood Purification</i> , 2021 , 50, 102-109	3.1	30

4 ¹⁷	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
4 ¹⁶	Glomerular haemodynamics, the renal sympathetic nervous system and sepsis-induced acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 2178-84	4.3	29
4 ¹⁵	REstricted Fluid REsuscitation in Sepsis-associated Hypotension (REFRESH): study protocol for a pilot randomised controlled trial. <i>Trials</i> , 2017 , 18, 399	2.8	28
4 ¹⁴	Cerebral oxygenation in mechanically ventilated early cardiac arrest survivors: The impact of hypercapnia. <i>Resuscitation</i> , 2016 , 102, 11-6	4	28
4 ¹³	High cut-off hemofiltration versus standard hemofiltration: effect on plasma cytokines. <i>International Journal of Artificial Organs</i> , 2016 , 39, 479-486	1.9	27
4 ¹²	Variable responses of regional renal oxygenation and perfusion to vasoactive agents in awake sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R1226-33	3.2	27
4 ¹¹	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
4 ¹⁰	Is platelet transfusion associated with hospital-acquired infections in critically ill patients?. <i>Critical Care</i> , 2017 , 21, 2	10.8	26
4 ⁰⁹	Magnesium status and magnesium therapy in critically ill patients: A systematic review. <i>Journal of Critical Care</i> , 2015 , 30, 1349-58	4	26
4 ⁰⁸	Early acid-base and blood pressure effects of continuous renal replacement therapy intensity in patients with metabolic acidosis. <i>Intensive Care Medicine</i> , 2013 , 39, 429-36	14.5	26
4 ⁰⁷	Renal replacement therapy in the ICU: intermittent hemodialysis, sustained low-efficiency dialysis or continuous renal replacement therapy?. <i>Current Opinion in Critical Care</i> , 2018 , 24, 437-442	3.5	26
4 ⁰⁶	Incidence and outcome of adults with diabetic ketoacidosis admitted to ICUs in Australia and New Zealand. <i>Critical Care</i> , 2015 , 19, 451	10.8	25
4 ⁰⁵	Techniques of extracorporeal cytokine removal: a systematic review of human studies. <i>Renal Failure</i> , 2013 , 35, 1061-70	2.9	25
4 ⁰⁴	Frailty and outcomes from pneumonia in critical illness: a population-based cohort study. <i>British Journal of Anaesthesia</i> , 2020 , 125, 730-738	5.4	25
4 ⁰³	Defining the characteristics and expectations of fluid bolus therapy: A worldwide perspective. <i>Journal of Critical Care</i> , 2016 , 35, 126-32	4	25
4 ⁰²	Atelectasis and mechanical ventilation mode during conservative oxygen therapy: A before-and-after study. <i>Journal of Critical Care</i> , 2015 , 30, 1232-7	4	24
4 ⁰¹	Effects of selective α -adrenoceptor blockade on cardiovascular and renal function and circulating cytokines in ovine hyperdynamic sepsis. <i>Critical Care</i> , 2014 , 18, 610	10.8	24
4 ⁰⁰	Circuit lifespan during continuous renal replacement therapy for combined liver and kidney failure. <i>Journal of Critical Care</i> , 2012 , 27, 744.e7-15	4	24

399	Importance of intraoperative oliguria during major abdominal surgery: findings of the Restrictive versus Liberal Fluid Therapy in Major Abdominal Surgery trial. <i>British Journal of Anaesthesia</i> , 2019 , 122, 726-733	5.4	23
398	The impact of post-operative sepsis on mortality after hospital discharge among elective surgical patients: a population-based cohort study. <i>Critical Care</i> , 2017 , 21, 34	10.8	23
397	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
396	A comparison of therapeutic hypothermia and strict therapeutic normothermia after cardiac arrest. <i>Resuscitation</i> , 2016 , 106, 83-8	4	23
395	Renal perfusion, oxygenation, and sympathetic nerve activity during volatile or intravenous general anaesthesia in sheep. <i>British Journal of Anaesthesia</i> , 2019 , 122, 342-349	5.4	23
394	Angiotensin converting enzyme defects in shock: implications for future therapy. <i>Critical Care</i> , 2018 , 22, 274	10.8	23
393	A randomized, controlled pilot clinical trial of cryopreserved platelets for perioperative surgical bleeding: the CLIP-I trial (Editorial, p. 2759). <i>Transfusion</i> , 2019 , 59, 2794-2804	2.9	22
392	Dexmedetomidine reduces norepinephrine requirements and preserves renal oxygenation and function in ovine septic acute kidney injury. <i>Kidney International</i> , 2019 , 96, 1150-1161	9.9	22
391	Femoral Access and Delivery of Continuous Renal Replacement Therapy Dose. <i>Blood Purification</i> , 2016 , 41, 11-7	3.1	22
390	Effects of Fluid Bolus Therapy on Renal Perfusion, Oxygenation, and Function in Early Experimental Septic Kidney Injury. <i>Critical Care Medicine</i> , 2019 , 47, e36-e43	1.4	22
389	Personalized mechanical ventilation in acute respiratory distress syndrome. <i>Critical Care</i> , 2021 , 25, 250	10.8	22
388	Contrast-enhanced ultrasound evaluation of the renal microcirculation response to terlipressin in hepato-renal syndrome: a preliminary report. <i>Renal Failure</i> , 2015 , 37, 175-9	2.9	21
387	Angiotensin II infusion in COVID-19-associated vasodilatory shock: a case series. <i>Critical Care</i> , 2020 , 24, 227	10.8	21
386	Current ventilation practice during general anaesthesia: a prospective audit in Melbourne, Australia. <i>BMC Anesthesiology</i> , 2014 , 14, 85	2.4	21
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384	A pilot assessment of alpha-stat vs pH-stat arterial blood gas analysis after cardiac arrest. <i>Journal of Critical Care</i> , 2015 , 30, 138-44	4	20
383	Declining mortality in critically ill patients with cirrhosis in Australia and New Zealand between 2000 and 2015. <i>Journal of Hepatology</i> , 2017 , 67, 1185-1193	13.4	20
382	Paracetamol therapy and outcome of critically ill patients: a multicenter retrospective observational study. <i>Critical Care</i> , 2015 , 19, 162	10.8	20

381	Acute renal failure. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011 , 32, 639-50	3.9	20
380	The rise of ward monitoring: opportunities and challenges for critical care specialists. <i>Intensive Care Medicine</i> , 2019 , 45, 671-673	14.5	20
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378	Remote ischemic conditioning for kidney protection: A meta-analysis. <i>Journal of Critical Care</i> , 2016 , 33, 224-32	4	19
377	The effect on survival from the use of a saphenous vein graft during coronary bypass surgery: a large cohort study. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 1093-1100	3	19
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375	Nonsurgical Strategies to Reduce Mortality in Patients Undergoing Cardiac Surgery: An Updated Consensus Process. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 225-235	2.1	18
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365	Conservative or liberal oxygen therapy in adults after cardiac arrest: An individual-level patient data meta-analysis of randomised controlled trials. <i>Resuscitation</i> , 2020 , 157, 15-22	4	17
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361	Acute Kidney Injury and Renal Replacement Therapy in Critically Ill COVID-19 Patients: Risk Factors and Outcomes: A Single-Center Experience in Brazil. <i>Blood Purification</i> , 2021 , 50, 520-530	3.1	16
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357	Review article: Sepsis in the emergency department - Part 1: Definitions and outcomes. <i>EMA - Emergency Medicine Australasia</i> , 2017 , 29, 619-625	1.5	16
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343	Characteristics and outcome of patients with the ICU Admission diagnosis of status epilepticus in Australia and New Zealand. <i>Journal of Critical Care</i> , 2016 , 34, 146-53	4	15
342	Initiation of vasopressor infusions via peripheral versus central access in patients with early septic shock: A retrospective cohort study. <i>EMA - Emergency Medicine Australasia</i> , 2020 , 32, 210-219	1.5	15
341	Sodium bicarbonate therapy for critically ill patients with metabolic acidosis: A scoping and a systematic review. <i>Journal of Critical Care</i> , 2019 , 51, 184-191	4	14
340	Fever control in critically ill adults. An individual patient data meta-analysis of randomised controlled trials. <i>Intensive Care Medicine</i> , 2019 , 45, 468-476	14.5	14
339	Epidemiology of early Rapid Response Team activation after Emergency Department admission. <i>Australasian Emergency Nursing Journal</i> , 2016 , 19, 54-61		14
338	The effects of terlipressin on regional hemodynamics and kidney function in experimental hyperdynamic sepsis. <i>PLoS ONE</i> , 2012 , 7, e29693	3.7	14
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328	Persistent critical illness characterised by Australian and New Zealand ICU clinicians. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2015 , 17, 153-8	2.8	13

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325	Antecedents to cardiac arrests in a teaching hospital intensive care unit. <i>Resuscitation</i> , 2014 , 85, 411-7	4	12
324	Defining fluid removal in the intensive care unit: A national and international survey of critical care practice. <i>Journal of the Intensive Care Society</i> , 2017 , 18, 282-288	1.6	12
323	Common laboratory tests predict imminent medical emergency team calls, intensive care unit admission or death in emergency department patients. <i>EMA - Emergency Medicine Australasia</i> , 2013 , 25, 132-9	1.5	12
322	Hidden evidence to the West: multicentre, randomised, controlled trials in sepsis and systemic inflammatory response syndrome in Japanese journals. <i>Intensive Care Medicine</i> , 2004 , 30, 911-7	14.5	12
321	Early net ultrafiltration rate and mortality in critically ill patients receiving continuous renal replacement therapy. <i>Nephrology Dialysis Transplantation</i> , 2021 , 36, 1112-1119	4.3	12
320	The hemodynamic effects of intravenous paracetamol (acetaminophen) vs normal saline in cardiac surgery patients: A single center placebo controlled randomized study. <i>PLoS ONE</i> , 2018 , 13, e0195931	3.7	12
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318	Interventions affecting mortality in critically ill and perioperative patients: A systematic review of contemporary trials. <i>Journal of Critical Care</i> , 2017 , 41, 107-111	4	11
317	The haemodynamic effects of bolus versus slower infusion of intravenous crystalloid in healthy volunteers. <i>Journal of Critical Care</i> , 2017 , 41, 254-259	4	11
316	Renal effects of an emergency department chloride-restrictive intravenous fluid strategy in patients admitted to hospital for more than 48 hours. <i>EMA - Emergency Medicine Australasia</i> , 2017 , 29, 643-649	1.5	11
315	Intravenous amino acid therapy for kidney protection in cardiac surgery patients: A pilot randomized controlled trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 2356-2366	1.5	11
314	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
313	Late organ failures in patients with prolonged intensive care unit stays. <i>Journal of Critical Care</i> , 2018 , 46, 55-57	4	11
312	Erythropoietin to Reduce Mortality in Traumatic Brain Injury: A Post-hoc Dose-effect Analysis. <i>Annals of Surgery</i> , 2018 , 267, 585-589	7.8	11
311	Sampling Antibiotics in Renal Replacement Therapy (SMARRT): an observational pharmacokinetic study in critically ill patients. <i>BMC Infectious Diseases</i> , 2016 , 16, 103	4	11
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306	Relative Hypoglycemia in Diabetic Patients With Critical Illness. <i>Critical Care Medicine</i> , 2020 , 48, e233-e240	4.1	11
305	Effect of communication skills training on outcomes in critically ill patients with life-limiting illness referred for intensive care management: a before-and-after study. <i>BMJ Supportive and Palliative Care</i> , 2019 , 9, e21	2.2	11
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299	The effect of protamine dosing variation on bleeding and transfusion after heparinisation for cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2018 , 33, 445-452	1.9	10
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297	An assessment of the triage performance of the efferent arm of the rapid response system. <i>Resuscitation</i> , 2013 , 84, 477-82	4	10
296	The association of time and medications with changes in bone mineral density in the 2 years after critical illness. <i>Critical Care</i> , 2017 , 21, 69	10.8	10
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293	Vitamin C measurement in critical illness: challenges, methodologies and quality improvements. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 460-470	5.9	10
292	Mediators of the Impact of Hourly Net Ultrafiltration Rate on Mortality in Critically Ill Patients Receiving Continuous Renal Replacement Therapy. <i>Critical Care Medicine</i> , 2020 , 48, e934-e942	1.4	10

291	Quality of Life and 1-Year Survival in Patients With Early Septic Shock: Long-Term Follow-Up of the Australasian Resuscitation in Sepsis Evaluation Trial. <i>Critical Care Medicine</i> , 2019 , 47, 765-773	1.4	10
290	Opinions and practice of stress ulcer prophylaxis in Australian and New Zealand intensive care units. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2014 , 16, 170-4	2.8	10
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288	Retrospective frailty determination in critical illness from a review of the intensive care unit clinical record. <i>Anaesthesia and Intensive Care</i> , 2019 , 47, 343-348	1.1	9
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285	Intravenous fluid administration and monitoring for adult ward patients in a teaching hospital. <i>Australian Journal of Cancer Nursing</i> , 2012 , 14, 265-71	1.9	9
284	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
283	Neutrophil gelatinase-associated lipocalin after off pump versus on pump coronary artery surgery. <i>Biomarkers</i> , 2014 , 19, 22-8	2.6	9
282	Early sedation with dexmedetomidine in ventilated critically ill patients and heterogeneity of treatment effect in the SPICE III randomised controlled trial. <i>Intensive Care Medicine</i> , 2021 , 47, 455-466	14.5	9
281	Improving the Recognition of, and Response to In-Hospital Sepsis. <i>Current Infectious Disease Reports</i> , 2016 , 18, 20	3.9	9
280	Alterations in regional kidney oxygenation during expansion of extracellular fluid volume in conscious healthy sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R1242-R1250	3.2	9
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277	Patient characteristics, ICU-specific supports, complications, and outcomes of persistent critical illness. <i>Journal of Critical Care</i> , 2019 , 54, 250-255	4	8
276	The Australasian Resuscitation In Sepsis Evaluation: FLUId or vasopressors In Emergency Department Sepsis, a multicentre observational study (ARISE FLUIDS observational study): Rationale, methods and analysis plan. <i>EMA - Emergency Medicine Australasia</i> , 2019 , 31, 90-96	1.5	8
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271	Pulse pressure variation-guided fluid therapy after cardiac surgery: a pilot before-and-after trial. <i>Journal of Critical Care</i> , 2014 , 29, 992-6	4	8
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266	Conceptual advances and evolving terminology in acute kidney disease. <i>Nature Reviews Nephrology</i> , 2021 , 17, 493-502	14.9	8
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141	Hospital variability of postoperative sepsis and sepsis-related mortality after elective coronary artery bypass grafting surgery. <i>Journal of Critical Care</i> , 2018 , 47, 232-237	4	2
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