

Alistair Nichol

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

5,600
citations

186209

28
h-index

88593

70
g-index

100
all docs

100
docs citations

100
times ranked

9760
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic mechanisms of critical illness in COVID-19. <i>Nature</i> , 2021, 591, 92-98.	13.7	1,014
2	Hypothermia versus Normothermia after Out-of-Hospital Cardiac Arrest. <i>New England Journal of Medicine</i> , 2021, 384, 2283-2294.	13.9	511
3	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018, 6, 691-698.	5.2	455
4	Arterial hyperoxia and in-hospital mortality after resuscitation from cardiac arrest. <i>Critical Care</i> , 2011, 15, R90.	2.5	263
5	The REMAP-CAP (Randomized Embedded Multifactorial Adaptive Platform for Community-acquired) Trial. <i>Open Access Respiratory Journal</i> , 2015, 1, 1-14.	1.5	245
6	Erythropoietin in traumatic brain injury (EPO-TBI): a double-blind randomised controlled trial. <i>Lancet</i> , 2015, 386, 2499-2506.	6.3	217
7	Inhibition of Rho-Kinase Attenuates Hypoxia-Induced Angiogenesis in the Pulmonary Circulation. <i>Circulation Research</i> , 2005, 97, 185-191.	2.0	197
8	Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19 from an international collaborative meta-analysis of randomized trials. <i>Nature Communications</i> , 2021, 12, 2349.	5.8	194
9	A Multicenter Randomized Trial of Atorvastatin Therapy in Intensive Care Patients with Severe Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 743-750.	2.5	178
10	Whole-genome sequencing reveals host factors underlying critical COVID-19. <i>Nature</i> , 2022, 607, 97-103.	13.7	174
11	Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 1690.	3.8	169
12	Age of Red Cells for Transfusion and Outcomes in Critically Ill Adults. <i>New England Journal of Medicine</i> , 2017, 377, 1858-1867.	13.9	151
13	Dynamic lactate indices as predictors of outcome in critically ill patients. <i>Critical Care</i> , 2011, 15, R242.	2.5	136
14	Ionized calcium concentration and outcome in critical illness*. <i>Critical Care Medicine</i> , 2011, 39, 314-321.	0.4	117
15	Changes in Temperature Management of Cardiac Arrest Patients Following Publication of the Target Temperature Management Trial*. <i>Critical Care Medicine</i> , 2018, 46, 1722-1730.	0.4	97
16	Maximal Recruitment Open Lung Ventilation in Acute Respiratory Distress Syndrome (PHARLAP). A Phase II, Multicenter Randomized Controlled Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1363-1372.	2.5	93
17	The incidence of acute kidney injury in patients with traumatic brain injury. <i>Renal Failure</i> , 2010, 32, 1060-1065.	0.8	86
18	Venous thromboembolic events in critically ill traumatic brain injury patients. <i>Intensive Care Medicine</i> , 2017, 43, 419-428.	3.9	86

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19	Open source clinical science for emerging infections. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 8-9.	4.6	82
20	Diabetes and Overweight/Obesity Are Independent, Nonadditive Risk Factors for In-Hospital Severity of COVID-19: An International, Multicenter Retrospective Meta-analysis. <i>Diabetes Care</i> , 2021, 44, 1281-1290.	4.3	67
21	Lopinavir-ritonavir and hydroxychloroquine for critically ill patients with COVID-19: REMAP-CAP randomized controlled trial. <i>Intensive Care Medicine</i> , 2021, 47, 867-886.	3.9	65
22	COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. <i>Infection</i> , 2021, 49, 889-905.	2.3	62
23	A pilot feasibility trial of allocation of freshest available red blood cells versus standard care in critically ill patients. <i>Transfusion</i> , 2012, 52, 1196-1202.	0.8	57
24	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. <i>Intensive Care Medicine</i> , 2020, 46, 2265-2283.	3.9	52
25	Effect of age of red cells for transfusion on patient outcomes: a systematic review and meta-analysis. <i>Transfusion Medicine Reviews</i> , 2018, 32, 77-88.	0.9	46
26	Inâ€Depth Extracorporeal Cardiopulmonary Resuscitation in Adult Outâ€ofâ€Hospital Cardiac Arrest. <i>Journal of the American Heart Association</i> , 2020, 9, e016521.	1.6	42
27	Global outbreak research: harmony not hegemony. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 770-772.	4.6	40
28	Association of Positive End-Expiratory Pressure and Lung Recruitment Selection Strategies with Mortality in Acute Respiratory Distress Syndrome: A Systematic Review and Network Meta-analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1300-1310.	2.5	37
29	Defining the characteristics and expectations of fluid bolus therapy: A worldwide perspective. <i>Journal of Critical Care</i> , 2016, 35, 126-132.	1.0	33
30	Clinical characteristics, risk factors and outcomes in patients with severe COVID-19 registered in the International Severe Acute Respiratory and Emerging Infection Consortium WHO clinical characterisation protocol: a prospective, multinational, multicentre, observational study. <i>ERJ Open Research</i> , 2022, 8, 00552-2021.	1.1	33
31	Key stakeholder perceptions about consent to participate in acute illness research: a rapid, systematic review to inform epi/pandemic research preparedness. <i>Trials</i> , 2015, 16, 591.	0.7	29
32	Erythropoiesis-stimulating Agents in Critically Ill Trauma Patients. <i>Annals of Surgery</i> , 2017, 265, 54-62.	2.1	28
33	Erythropoietin in traumatic brain injury: study protocol for a randomised controlled trial. <i>Trials</i> , 2015, 16, 39.	0.7	27
34	Talking to the people that really matter about their participation in pandemic clinical research: A qualitative study in four European countries. <i>Health Expectations</i> , 2018, 21, 387-395.	1.1	24
35	Erythropoietin in traumatic brain injury associated acute kidney injury: A randomized controlled trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 200-207.	0.7	24
36	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , 2021, 25, 199.	2.5	21

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37	The association between early arterial oxygenation and mortality in ventilated patients with acute ischaemic stroke. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2012, 14, 14-9.	0.0	19
38	Biomarker Predictors of Adverse Acute Kidney Injury Outcomes in Critically Ill Patients: The Dublin Acute Biomarker Group Evaluation Study. <i>American Journal of Nephrology</i> , 2019, 50, 19-28.	1.4	18
39	Erythropoietin to Reduce Mortality in Traumatic Brain Injury. <i>Annals of Surgery</i> , 2018, 267, 585-589.	2.1	17
40	Statistical analysis plan for the Erythropoietin in Traumatic Brain Injury trial: a randomised controlled trial of erythropoietin versus placebo in moderate and severe traumatic brain injury. <i>Trials</i> , 2014, 15, 501.	0.7	16
41	Incidence and management of metabolic acidosis with sodium bicarbonate in the ICU: An international observational study. <i>Critical Care</i> , 2021, 25, 45.	2.5	16
42	Effects of brain tissue oxygen (PbtO ₂) guided management on patient outcomes following severe traumatic brain injury: A systematic review and meta-analysis. <i>Journal of Clinical Neuroscience</i> , 2022, 99, 349-358.	0.8	16
43	Hypoxaemic rescue therapies in acute respiratory distress syndrome: Why, when, what and which one?. <i>Injury</i> , 2013, 44, 1700-1709.	0.7	15
44	Preparing accessible and understandable clinical research participant information leaflets and consent forms: a set of guidelines from an expert consensus conference. <i>Research Involvement and Engagement</i> , 2021, 7, 31.	1.1	15
45	Erythropoietin in patients with traumatic brain injury and extracranial injury—A post hoc analysis of the erythropoietin traumatic brain injury trial. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, 449-456.	1.1	14
46	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.	0.4	14
47	Cause and Timing of Death and Subgroup Differential Effects of Erythropoietin in the EPO-TBI Study. <i>Journal of Neurotrauma</i> , 2018, 35, 333-340.	1.7	13
48	ANZICS guiding principles for complex decision making during the COVID-19 pandemic. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020, 22, 98-102.	0.0	13
49	Cost-Effectiveness of Erythropoietin in Traumatic Brain Injury: A Multinational Trial-Based Economic Analysis. <i>Journal of Neurotrauma</i> , 2019, 36, 2541-2548.	1.7	12
50	Advancing preparedness for clinical research during infectious disease epidemics. <i>ERJ Open Research</i> , 2019, 5, 00227-2018.	1.1	11
51	Protocol for a multicentre randomised controlled trial of early and sustained prophylactic hypothermia in the management of traumatic brain injury. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2015, 17, 92-100.	0.0	11
52	Use of an extended KDIGO definition to diagnose acute kidney injury in patients with COVID-19: A multinational study using the ISARIC—WHO clinical characterisation protocol. <i>PLoS Medicine</i> , 2022, 19, e1003969.	3.9	10
53	Statistical analysis plan for the POLAR-RCT: The Prophylactic hypOthermia trial to Lessen trAumatic bRain injury-Randomised Controlled Trial. <i>Trials</i> , 2018, 19, 259.	0.7	9
54	Early short course of neuromuscular blocking agents in patients with COVID-19 ARDS: a propensity score analysis. <i>Critical Care</i> , 2022, 26, 141.	2.5	9

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55	Inflammation, immunity and allergy. <i>Anaesthesia and Intensive Care Medicine</i> , 2018, 19, 534-539.	0.1	7
56	Targeted hypothermia versus targeted normothermia after out-of-hospital cardiac arrest: a statistical analysis plan. <i>Trials</i> , 2020, 21, 831.	0.7	7
57	Urinary biomarkers predict progression and adverse outcomes of acute kidney injury in critical illness. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 1668-1678.	0.4	7
58	Acute pancreatitis: an intensive care perspective. <i>Anaesthesia and Intensive Care Medicine</i> , 2015, 16, 191-196.	0.1	6
59	A multicenter randomized clinical trial of pharmacological vitamin B1 administration to critically ill patients who develop hypophosphatemia during enteral nutrition (The THIAMINE 4 HYPOPHOSPHATEMIA) Trial. <i>Critical Care Medicine</i> , 2019, 47, e572-e579.	0.784314	6
60	Optimal ventilator settings after return of spontaneous circulation. <i>Current Opinion in Critical Care</i> , 2020, 26, 251-258.	1.6	6
61	Acute renal failure and the critically ill. <i>Anaesthesia and Intensive Care Medicine</i> , 2012, 13, 166-170.	0.1	5
62	Fresh Red Cells for Transfusion in Critically Ill Adults: An Economic Evaluation of the Standard Issue Transfusion Versus Fresher Red-Cell Use in Intensive Care (TRANSFUSE) Clinical Trial. <i>Critical Care Medicine</i> , 2019, 47, e572-e579.	0.4	5
63	Comparison of baseline characteristics, treatment and clinical outcomes of critically ill COVID-19 patients admitted in the first and second waves in Australia. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 308-319.	0.0	5
64	Inflammation, immunity and allergy. <i>Anaesthesia and Intensive Care Medicine</i> , 2021, 22, 488-493.	0.1	4
65	Assessment of 28-Day In-Hospital Mortality in Mechanically Ventilated Patients With Coronavirus Disease 2019: An International Cohort Study. <i>Critical Care Medicine</i> , 2021, 3, e0567.		4
66	A randomised controlled trial of standard transfusion versus fresher red blood cell use in intensive care (TRANSFUSE): protocol and statistical analysis plan. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2014, 16, 255-61.	0.0	4
67	A cluster randomised, crossover, registry-embedded clinical trial of proton pump inhibitors versus histamine-2 receptor blockers for ulcer prophylaxis therapy in the intensive care unit (PEPTIC study): study protocol. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2018, 20, 182-189.	0.0	4
68	Status epilepticus: an intensive care medicine problem. <i>Anaesthesia and Intensive Care Medicine</i> , 2012, 13, 148-151.	0.1	3
69	Treatment of severe sepsis. <i>Anaesthesia and Intensive Care Medicine</i> , 2012, 13, 199-203.	0.1	3
70	Characteristics and Outcomes of Critically Ill Trauma Patients in Australia and New Zealand (2005-2017). <i>Critical Care Medicine</i> , 2020, 48, 717-724.	0.4	3
71	Clinician-researcher's perspectives on clinical research during the COVID19 pandemic. <i>PLoS ONE</i> , 2020, 15, e0243525.	1.1	3
72	Ventilation management and outcomes in out-of-hospital cardiac arrest: a protocol for a preplanned secondary analysis of the TTM2 trial. <i>BMJ Open</i> , 2022, 12, e058001.	0.8	3

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73	Acute pancreatitis: an intensive care perspective. <i>Anaesthesia and Intensive Care Medicine</i> , 2012, 13, 171-175.	0.1	2
74	Erythropoietin for Traumatic Brain Injury. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1928.	3.8	2
75	Inflammation, immunity and allergy. <i>Anaesthesia and Intensive Care Medicine</i> , 2015, 16, 328-333.	0.1	2
76	Shock: causes, initial assessment and investigations. <i>Anaesthesia and Intensive Care Medicine</i> , 2017, 18, 118-121.	0.1	2
77	Priority Needs for Conducting Pandemic-relevant Clinical Research With Children in Europe. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e82-e86.	1.1	2
78	The implications of the PEPTIC trial for clinical practice. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2020, 22, 4-5.	0.0	2
79	High-frequency oscillation in acute respiratory distress syndrome: Who rescues the rescuer?*. <i>Critical Care Medicine</i> , 2007, 35, 1619-1620.	0.4	1
80	Shock: causes, initial assessment and investigations. <i>Anaesthesia and Intensive Care Medicine</i> , 2014, 15, 64-67.	0.1	1
81	Status epilepticus: an intensive care medicine problem. <i>Anaesthesia and Intensive Care Medicine</i> , 2016, 17, 27-30.	0.1	1
82	The NAPRESSIM trial: the use of low-dose, prophylactic naloxone infusion to prevent respiratory depression with intrathecally administered morphine in elective hepatobiliary surgery: a study protocol and statistical analysis plan for a randomised controlled trial. <i>Trials</i> , 2017, 18, 633.	0.7	1
83	Acute kidney injury and the critically ill. <i>Anaesthesia and Intensive Care Medicine</i> , 2018, 19, 113-118.	0.1	1
84	Protocol and statistical analysis plan for the phase 3 randomised controlled Treatment of Invasively Ventilated Adults with Early Activity and Mobilisation (TEAM III) trial. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 262-272.	0.0	1
85	A Randomised Controlled Trial Of Staircase Recruitment Manoeuvres, High PEEP And Low Airway Pressure (PHARLAP). , 2010, , .		0
86	What Is the Optimal Approach to Weaning and Liberation from Mechanical Ventilation?. , 2010, , 37-44.		0
87	Quality Of Survival In Patients With Acute Respiratory Distress Syndrome Requiring Extracorporeal Membrane Oxygenation For Refractory Hypoxaemia. , 2012, , .		0
88	Acute kidney injury and the critically ill. <i>Anaesthesia and Intensive Care Medicine</i> , 2015, 16, 186-190.	0.1	0
89	Public attitudes towards research participation during an infectious disease pandemic: a qualitative study across four European countries. <i>Lancet, The</i> , 2016, 388, S51.	6.3	0
90	Who Says There Is No "I'm in Team"? Achieving Individual Success in Collaborative Clinical Research in Critical Care. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 911-912.	2.5	0

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91	Comment on Rishu et al. Time required to initiate outbreak and pandemic observational research. <i>Journal of Critical Care</i> , 2017, 40, 271.	1.0	0
92	Acute pancreatitis: an intensive care perspective. <i>Anaesthesia and Intensive Care Medicine</i> , 2018, 19, 119-124.	0.1	0
93	Higher PEEP for acute respiratory distress syndrome: a Bayesian meta-analysis of randomised clinical trials. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 171-182.	0.0	0
94	Acute respiratory distress syndrome phenotypes with distinct clinical outcomes in PHARLAP trial cohort. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 163-170.	0.0	0
95	The cost-effectiveness of early goal-directed therapy: an economic evaluation alongside the ARISE trial. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 329-336.	0.0	0
96	Economic evaluations for intensive care unit randomised clinical trials in Australia and New Zealand: Practical recommendations for researchers. <i>Australian Critical Care</i> , 2022, , .	0.6	0