

Richard R Riker

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.

115
papers

13,615
citations

44
h-index

116
g-index

131
ext. papers

16,236
ext. citations

4.4
avg, IF

5.94
L-index

#	Paper	IF	Citations
115	Clinical practice guidelines for the management of pain, agitation, and delirium in adult patients in the intensive care unit. <i>Critical Care Medicine</i> , 2013 , 41, 263-306	1.4	2424
114	Clinical practice guidelines for the sustained use of sedatives and analgesics in the critically ill adult. <i>Critical Care Medicine</i> , 2002 , 30, 119-41	1.4	1633
113	Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU. <i>Critical Care Medicine</i> , 2018 , 46, e825-e873	1.4	1140
112	Dexmedetomidine vs midazolam for sedation of critically ill patients: a randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 301, 489-99	27.4	1108
111	Prospective evaluation of the Sedation-Agitation Scale for adult critically ill patients. <i>Critical Care Medicine</i> , 1999 , 27, 1325-9	1.4	729
110	Ventilation of patients with acute lung injury and acute respiratory distress syndrome: has new evidence changed clinical practice?. <i>Critical Care Medicine</i> , 2004 , 32, 1260-5	1.4	656
109	Adverse events and their relation to mortality in out-of-hospital cardiac arrest patients treated with therapeutic hypothermia. <i>Critical Care Medicine</i> , 2011 , 39, 57-64	1.4	635
108	Efficacy and safety of quetiapine in critically ill patients with delirium: a prospective, multicenter, randomized, double-blind, placebo-controlled pilot study. <i>Critical Care Medicine</i> , 2010 , 38, 419-27	1.4	420
107	Delirium duration and mortality in lightly sedated, mechanically ventilated intensive care patients. <i>Critical Care Medicine</i> , 2010 , 38, 2311-8	1.4	339
106	Assessing sedation during intensive care unit mechanical ventilation with the Bispectral Index and the Sedation-Agitation Scale. <i>Critical Care Medicine</i> , 1999 , 27, 1499-504	1.4	302
105	Subsyndromal delirium in the ICU: evidence for a disease spectrum. <i>Intensive Care Medicine</i> , 2007 , 33, 1007-13	14.5	242
104	Continuous infusion of haloperidol controls agitation in critically ill patients. <i>Critical Care Medicine</i> , 1994 , 22, 433-40	1.4	235
103	Validating the Sedation-Agitation Scale with the Bispectral Index and Visual Analog Scale in adult ICU patients after cardiac surgery. <i>Intensive Care Medicine</i> , 2001 , 27, 853-8	14.5	226
102	Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care : a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2014 , 40, 1189-209	14.5	190
101	Delirium assessment in the critically ill. <i>Intensive Care Medicine</i> , 2007 , 33, 929-40	14.5	171
100	Adrenocortical dysfunction following etomidate induction in emergency department patients. <i>Academic Emergency Medicine</i> , 2001 , 8, 1-7	3.4	156
99	Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. <i>Neurocritical Care</i> , 2014 , 21 Suppl 2, S1-26	3.3	139

98	Cefepime-induced neurotoxicity: a systematic review. <i>Critical Care</i> , 2017 , 21, 276	10.8	123
97	Clinical practice guidelines for the management of pain, agitation, and delirium in adult patients in the Intensive Care Unit: executive summary. <i>American Journal of Health-System Pharmacy</i> , 2013 , 70, 53-8 ^{2,2}		116
96	Executive Summary: Clinical Practice Guidelines for the Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the ICU. <i>Critical Care Medicine</i> , 2018 , 46, 1532-1548	1.4	109
95	Benchmark data from more than 240,000 adults that reflect the current practice of critical care in the United States. <i>Chest</i> , 2011 , 140, 1232-1242	5.3	102
94	Adverse events associated with sedatives, analgesics, and other drugs that provide patient comfort in the intensive care unit. <i>Pharmacotherapy</i> , 2005 , 25, 8S-18S	5.8	100
93	Combined didactic and scenario-based education improves the ability of intensive care unit staff to recognize delirium at the bedside. <i>Critical Care</i> , 2008 , 12, R19	10.8	99
92	A cost-minimization analysis of dexmedetomidine compared with midazolam for long-term sedation in the intensive care unit. <i>Critical Care Medicine</i> , 2010 , 38, 497-503	1.4	94
91	Frequency, severity, and treatment of agitation in young versus elderly patients in the ICU. <i>Pharmacotherapy</i> , 2000 , 20, 75-82	5.8	93
90	Neurologic outcomes and postresuscitation care of patients with myoclonus following cardiac arrest. <i>Critical Care Medicine</i> , 2015 , 43, 965-72	1.4	83
89	The bispectral index and suppression ratio are very early predictors of neurological outcome during therapeutic hypothermia after cardiac arrest. <i>Intensive Care Medicine</i> , 2010 , 36, 281-8	14.5	81
88	Clinical monitoring scales in acute brain injury: assessment of coma, pain, agitation, and delirium. <i>Neurocritical Care</i> , 2014 , 21 Suppl 2, S27-37	3.3	75
87	Adverse drug events associated with the use of analgesics, sedatives, and antipsychotics in the intensive care unit. <i>Critical Care Medicine</i> , 2010 , 38, S231-43	1.4	72
86	Randomized ICU trials do not demonstrate an association between interventions that reduce delirium duration and short-term mortality: a systematic review and meta-analysis. <i>Critical Care Medicine</i> , 2014 , 42, 1442-54	1.4	70
85	Removal of propylene glycol and correction of increased osmolar gap by hemodialysis in a patient on high dose lorazepam infusion therapy. <i>Intensive Care Medicine</i> , 2002 , 28, 81-4	14.5	61
84	Individual delirium symptoms: do they matter?. <i>Critical Care Medicine</i> , 2007 , 35, 2533-7	1.4	60
83	Association of gender to outcome after out-of-hospital cardiac arrest--a report from the International Cardiac Arrest Registry. <i>Critical Care</i> , 2015 , 19, 182	10.8	59
82	Single-dose etomidate is not associated with increased mortality in ICU patients with sepsis: analysis of a large electronic ICU database. <i>Critical Care Medicine</i> , 2013 , 41, 774-83	1.4	56
81	The International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: a list of recommendations and additional conclusions: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. <i>Neurocritical Care</i> , 2014 , 21 Suppl 2, S288-94	3.3	54

80	The International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: evidentiary tables: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. <i>Neurocritical Care</i> , 2014 , 21 Suppl 2, S297-361	3.3	53
79	The frequency and cost of patient-initiated device removal in the ICU. <i>Pharmacotherapy</i> , 2001 , 21, 1-6	5.8	52
78	Altering intensive care sedation paradigms to improve patient outcomes. <i>Critical Care Clinics</i> , 2009 , 25, 527-38, viii-ix	4.5	51
77	Determination of a lorazepam dose threshold for using the osmol gap to monitor for propylene glycol toxicity. <i>Pharmacotherapy</i> , 2008 , 28, 984-91	5.8	50
76	Confirming the reliability of the sedation-agitation scale administered by ICU nurses without experience in its use. <i>Pharmacotherapy</i> , 2001 , 21, 431-6	5.8	49
75	Five-Year Trends of Critical Care Practice and Outcomes. <i>Chest</i> , 2017 , 152, 723-735	5.3	48
74	Impact of quetiapine on resolution of individual delirium symptoms in critically ill patients with delirium: a post-hoc analysis of a double-blind, randomized, placebo-controlled study. <i>Critical Care</i> , 2011 , 15, R215	10.8	48
73	Transition from dexmedetomidine to enteral clonidine for ICU sedation: an observational pilot study. <i>Pharmacotherapy</i> , 2015 , 35, 251-9	5.8	46
72	Tele-Critical Care: An Update From the Society of Critical Care Medicine Tele-ICU Committee. <i>Critical Care Medicine</i> , 2020 , 48, 553-561	1.4	45
71	Heparin-induced thrombocytopenia with thrombosis in COVID-19 adult respiratory distress syndrome. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020 , 4, 936-941	5.1	44
70	The eICU research institute - a collaboration between industry, health-care providers, and academia. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2010 , 29, 18-25		44
69	Comparing the bispectral index and suppression ratio with burst suppression of the electroencephalogram during pentobarbital infusions in adult intensive care patients. <i>Pharmacotherapy</i> , 2003 , 23, 1087-93	5.8	42
68	Intensive care sedation: the past, present and the future. <i>Critical Care</i> , 2013 , 17, 322	10.8	38
67	Bispectral index monitoring in the intensive care unit provides more signal than noise. <i>Pharmacotherapy</i> , 2005 , 25, 19S-27S	5.8	38
66	Prophylactic antibiotics are associated with a lower incidence of pneumonia in cardiac arrest survivors treated with targeted temperature management. <i>Resuscitation</i> , 2015 , 92, 154-9	4	37
65	Psychometric analysis of subjective sedation scales in critically ill adults. <i>Critical Care Medicine</i> , 2013 , 41, S16-29	1.4	37
64	Surface cooling after cardiac arrest: effectiveness, skin safety, and adverse events in routine clinical practice. <i>Neurocritical Care</i> , 2011 , 14, 382-8	3.3	35
63	Early withdrawal of life support after resuscitation from cardiac arrest is common and may result in additional deaths. <i>Resuscitation</i> , 2019 , 139, 308-313	4	34

62	Neurological Pupil Index and Pupillary Light Reflex by Pupillometry Predict Outcome Early After Cardiac Arrest. <i>Neurocritical Care</i> , 2020 , 32, 152-161	3.3	34
61	Valproate for agitation in critically ill patients: A retrospective study. <i>Journal of Critical Care</i> , 2017 , 37, 119-125	4	32
60	Inadequacy of Headache Management After Subarachnoid Hemorrhage. <i>American Journal of Critical Care</i> , 2016 , 25, 136-43	1.7	29
59	Emergency neurological life support: airway, ventilation, and sedation. <i>Neurocritical Care</i> , 2012 , 17 Suppl 1, S4-20	3.3	29
58	The accurate recognition of delirium in the ICU: the emperor's new clothes?. <i>Intensive Care Medicine</i> , 2013 , 39, 2196-9	14.5	26
57	ICU Clinicians Underestimate Breathing Discomfort in Ventilated Subjects. <i>Respiratory Care</i> , 2017 , 62, 150-155	2.1	24
56	Moderate-dose sedation and analgesia during targeted temperature management after cardiac arrest. <i>Neurocritical Care</i> , 2015 , 22, 105-11	3.3	23
55	Derivation and Validation of the CREST Model for Very Early Prediction of Circulatory Etiology Death in Patients Without ST-Segment-Elevation Myocardial Infarction After Cardiac Arrest. <i>Circulation</i> , 2018 , 137, 273-282	16.7	23
54	Comfort without coma: changing sedation practices. <i>Critical Care Medicine</i> , 2007 , 35, 635-7	1.4	23
53	Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 1 Efficacy: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations. <i>Anesthesia and Analgesia</i> , 2017 , 124, 821-830	3.9	21
52	Variation in Sedation and Neuromuscular Blockade Regimens on Outcome After Cardiac Arrest. <i>Critical Care Medicine</i> , 2018 , 46, e975-e980	1.4	21
51	Valproate Protein Binding Is Highly Variable in ICU Patients and Not Predicted by Total Serum Concentrations: A Case Series and Literature Review. <i>Pharmacotherapy</i> , 2017 , 37, 500-508	5.8	20
50	Repurposing Valproate, Enteral Clonidine, and Phenobarbital for Comfort in Adult ICU Patients: A Literature Review with Practical Considerations. <i>Pharmacotherapy</i> , 2017 , 37, 1309-1321	5.8	19
49	Initial bispectral index may identify patients who will awaken during therapeutic hypothermia after cardiac arrest: a retrospective pilot study. <i>Resuscitation</i> , 2013 , 84, 794-7	4	19
48	Variability in functional outcome and treatment practices by treatment center after out-of-hospital cardiac arrest: analysis of International Cardiac Arrest Registry. <i>Intensive Care Medicine</i> , 2019 , 45, 637-646	14.5	18
47	Analgesia, sedation, and neuromuscular blockade during targeted temperature management after cardiac arrest. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2015 , 29, 435-50	4	18
46	Altering intensive care sedation paradigms to improve patient outcomes. <i>Anesthesiology Clinics</i> , 2011 , 29, 663-74	2.3	18
45	Feasibility of bispectral index monitoring to guide early post-resuscitation cardiac arrest triage. <i>Resuscitation</i> , 2014 , 85, 1030-6	4	15

44	Association of the Bedside Shivering Assessment Scale and derived EMG power during therapeutic hypothermia in survivors of cardiac arrest. <i>Resuscitation</i> , 2011 , 82, 1100-3	4	15
43	Evaluating and monitoring sedation, arousal, and agitation in the ICU. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2013 , 34, 169-78	3.9	11
42	Amantadine and Modafinil as Neurostimulants Following Acute Stroke: A Retrospective Study of Intensive Care Unit Patients. <i>Neurocritical Care</i> , 2021 , 34, 102-111	3.3	11
41	Evaluating Patient-Centered Outcomes in Clinical Trials of Procedural Sedation, Part 2 Safety: Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research Recommendations. <i>Anesthesia and Analgesia</i> , 2018 , 127, 1146-1154	3.9	11
40	Amantadine and Modafinil as Neurostimulants During Post-stroke Care: A Systematic Review. <i>Neurocritical Care</i> , 2020 , 33, 283-297	3.3	8
39	Phenobarbital Provides Effective Sedation for a Select Cohort of Adult ICU Patients Intolerant of Standard Treatment: A Brief Report. <i>Hospital Pharmacy</i> , 2006 , 41, 17-23	1.1	8
38	Approaches to community consultation in exception from informed consent: Analysis of scope, efficiency, and cost at two centers. <i>Resuscitation</i> , 2018 , 130, 81-87	4	8
37	Functional outcomes associated with varying levels of targeted temperature management after out-of-hospital cardiac arrest - An INTCAR2 registry analysis. <i>Resuscitation</i> , 2020 , 146, 229-236	4	7
36	Risk Stratification Among Survivors of Cardiac Arrest Considered for Coronary Angiography. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 360-371	15.1	7
35	The new practice guidelines for pain, agitation, and delirium. <i>American Journal of Critical Care</i> , 2013 , 22, 153-7	1.7	6
34	Free serum valproate concentration more reliable than total concentration in critically ill patients. <i>Resuscitation</i> , 2016 , 105, e15-6	4	6
33	Accuracy of Point-of-Care Blood Glucose Level Measurements in Critically Ill Patients with Sepsis Receiving High-Dose Intravenous Vitamin C. <i>Pharmacotherapy</i> , 2018 , 38, 1155-1161	5.8	5
32	Delirium-Beyond the CAM-ICU. <i>Critical Care Medicine</i> , 2020 , 48, 134-136	1.4	4
31	Hemodynamic, Biochemical, and Ventilatory Parameters are Independently Associated with Outcome after Cardiac Arrest. <i>Neurocritical Care</i> , 2018 , 29, 69-76	3.3	3
30	Continuous surface EMG power reflects the metabolic cost of shivering during targeted temperature management after cardiac arrest. <i>Resuscitation</i> , 2018 , 131, 8-13	4	3
29	Number of Circulating CD 73-Expressing Lymphocytes Correlates With Survival After Cardiac Arrest. <i>Journal of the American Heart Association</i> , 2019 , 8, e010874	6	3
28	Caution Warranted Regarding Transfusion for Subarachnoid Hemorrhage. <i>Critical Care Medicine</i> , 2017 , 45, e986-e987	1.4	3
27	ICU DELIRIUM ASSESSMENT TOOLS OFTEN DISAGREE.. <i>Critical Care Medicine</i> , 2006 , 34, A7	1.4	3

26	The Uncertain Risk of Single-Dose Etomidate in the Critically Ill. <i>Hospital Pharmacy</i> , 2005 , 40, 658-661	1.1	3
25	The association of partial pressures of oxygen and carbon dioxide with neurological outcome after out-of-hospital cardiac arrest: an explorative International Cardiac Arrest Registry 2.0 study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2020 , 28, 67	3.6	3
24	Midodrine administration during critical illness: fixed-dose or titrate to response?. <i>Intensive Care Medicine</i> , 2021 , 47, 249-251	14.5	3
23	In the Middle of Difficulty Lies Opportunity.-Albert Einstein. <i>Critical Care Medicine</i> , 2018 , 46, 1881-1882	1.4	3
22	Design of Clinical Trials Evaluating Sedation in Critically Ill Adults Undergoing Mechanical Ventilation: Recommendations From Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research (SCEPTER) Recommendation III. <i>Critical Care Medicine</i> , 2021 , 49, 1684-1693	1.4	2
21	An Analysis of Psychoactive Medications Initiated in the ICU but Continued Beyond Discharge: A Pilot Study of Stewardship. <i>Journal of Pharmacy Practice</i> , 2020 , 33, 760-767	1.3	2
20	Response. <i>Chest</i> , 2018 , 154, 465	5.3	1
19	Corticosteroids in the Critically Ill. <i>Hospital Pharmacy</i> , 2004 , 39, 116-118	1.1	1
18	Advances and Controversies in Adult ICU Sedation, Part 3: Evolving Pharmacological Treatment Issues. <i>Hospital Pharmacy</i> , 2002 , 37, 362-368	1.1	1
17	Midodrine to liberate ICU patients from intravenous vasopressors: Another negative fixed-dose trial.. <i>Journal of Critical Care</i> , 2022 , 69, 153995	4	1
16	Influence of sex on survival, neurologic outcomes, and neurodiagnostic testing after out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2021 , 167, 66-75	4	1
15	DEspR neutrophils are associated with critical illness in COVID-19. <i>Scientific Reports</i> , 2021 , 11, 22463	4.9	0
14	Validation of the suppression ratio from a simplified EEG montage during targeted temperature management after cardiac arrest. <i>Resuscitation</i> , 2020 , 153, 1-5	4	0
13	Methadone bioavailability and dose conversion implications with intravenous and enteral administration: A scoping review. <i>American Journal of Health-System Pharmacy</i> , 2021 , 78, 1395-1401	2.2	0
12	Sedation quality in intensive care: which interventions work?. <i>Lancet Respiratory Medicine</i> , 2016 , 4, 767-768	35.1	0
11	Incidence of cardiac interventions and associated cardiac arrest outcomes in patients with nonshockable initial rhythms and no ST elevation post resuscitation. <i>Resuscitation</i> , 2021 , 167, 188-197	4	0
10	Ceftriaxone to PREvent pneumONia and inflammaTion aftEr Cardiac arresT (PROTECT): study protocol for a randomized, placebo-controlled trial.. <i>Trials</i> , 2022 , 23, 197	2.8	0
9	The authors reply. <i>Critical Care Medicine</i> , 2015 , 43, e397-8	1.4	

8	Bispectral index and suppression ratio during hypothermia after cardiac arrest: reply to Aibiki. <i>Intensive Care Medicine</i> , 2011 , 37, 1400-1401	14.5
7	Visual compatibility of haloperidol lactate with injectable solutions. <i>American Journal of Health-System Pharmacy</i> , 1994 , 51, 905-906	2.2
6	Vasopressin-Induced Hyponatremia in Patients With Aneurysmal Subarachnoid Hemorrhage: A Case Series and Literature Review. <i>Journal of Pharmacy Practice</i> , 2021 , 8971900211053497	1.3
5	Comment: A Review of Pharmacologic Neurostimulant Use During Rehabilitation and Recovery After Brain Injury. <i>Annals of Pharmacotherapy</i> , 2021 , 10600280211052629	2.9
4	Response to The challenges of diagnosing heparin-induced thrombocytopenia in patients with COVID-19. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020 , 4, 1068	5.1
3	Response to Dr. Panda and Colleagues. <i>Neurocritical Care</i> , 2021 , 35, 279-280	3.3
2	Valproate free serum concentrations: More complex than simple formulas. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018 , 60, 155-156	3.2
1	Prospective Validation of Sedation Scale Scores That Identify Light Sedation: A Pilot Study.. <i>American Journal of Critical Care</i> , 2022 , 31, 202-208	1.7