

# Robert D Stevens

## List of Publications by Year in descending order

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Version: 2024-02-01

128  
papers

5,824  
citations

134610

34  
h-index

87275

74  
g-index

143  
all docs

143  
docs citations

143  
times ranked

6798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Outcome of delirium in critically ill patients: systematic review and meta-analysis. <i>BMJ</i> , The, 2015, 350, h2538-h2538.	3.0	663
2	Neuromuscular dysfunction acquired in critical illness: a systematic review. <i>Intensive Care Medicine</i> , 2007, 33, 1876-1891.	3.9	527
3	A framework for diagnosing and classifying intensive care unit-acquired weakness. <i>Critical Care Medicine</i> , 2009, 37, S299-S308.	0.4	487
4	An Official American Thoracic Society Clinical Practice Guideline: The Diagnosis of Intensive Care Unit-acquired Weakness in Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1437-1446.	2.5	338
5	Pharmacologic Myocardial Protection in Patients Undergoing Noncardiac Surgery: A Quantitative Systematic Review. <i>Anesthesia and Analgesia</i> , 2003, 97, 623-633.	1.1	215
6	Sepsis-associated encephalopathy and its differential diagnosis. <i>Critical Care Medicine</i> , 2009, 37, S331-S336.	0.4	213
7	Presence and severity of intensive care unit-acquired paresis at time of awakening are associated with increased intensive care unit and hospital mortality*. <i>Critical Care Medicine</i> , 2009, 37, 3047-3053.	0.4	208
8	Updated nomenclature of delirium and acute encephalopathy: statement of ten Societies. <i>Intensive Care Medicine</i> , 2020, 46, 1020-1022.	3.9	202
9	Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. <i>Tomography</i> , 2015, 1, 105-114.	0.8	153
10	Mechanical ventilation in patients with acute brain injury: recommendations of the European Society of Intensive Care Medicine consensus. <i>Intensive Care Medicine</i> , 2020, 46, 2397-2410.	3.9	140
11	Resting brain activity in disorders of consciousness. <i>Neurology</i> , 2015, 84, 1272-1280.	1.5	136
12	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. <i>Anesthesiology</i> , 2012, 117, 1300-1310.	1.3	133
13	Neurological examination of critically ill patients: a pragmatic approach. Report of an ESICM expert panel. <i>Intensive Care Medicine</i> , 2014, 40, 484-495.	3.9	127
14	Approach to the comatose patient. <i>Critical Care Medicine</i> , 2006, 34, 31-41.	0.4	125
15	Neuroprotection in acute brain injury: an up-to-date review. <i>Critical Care</i> , 2015, 19, 186.	2.5	120
16	Controversies in the management of aneurysmal subarachnoid hemorrhage*. <i>Critical Care Medicine</i> , 2006, 34, 511-524.	0.4	117
17	Prognosis in Severe Brain Injury. <i>Critical Care Medicine</i> , 2013, 41, 1104-1123.	0.4	109
18	Glucocorticoid therapy in neurologic critical care. <i>Critical Care Medicine</i> , 2005, 33, 1214-1224.	0.4	106

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19	Emergency Neurological Life Support: Intracranial Hypertension and Herniation. <i>Neurocritical Care</i> , 2015, 23, 76-82.	1.2	103
20	Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. <i>Anesthesiology</i> , 2012, 117, 1311-1321.	1.3	102
21	Critical Care and Perioperative Management in Traumatic Spinal Cord Injury. <i>Journal of Neurosurgical Anesthesiology</i> , 2003, 15, 215-229.	0.6	91
22	Mechanisms of Neurologic Failure in Critical Illness. <i>Critical Care Clinics</i> , 2008, 24, 1-24.	1.0	67
23	The systemic implications of aneurysmal subarachnoid hemorrhage. <i>Journal of the Neurological Sciences</i> , 2007, 261, 143-156.	0.3	63
24	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021, 35, 68-85.	1.2	60
25	The Role of Mechanical Ventilation in Acute Brain Injury. <i>Neurologic Clinics</i> , 2008, 26, 543-563.	0.8	54
26	Early Functional Connectome Integrity and 1-Year Recovery in Comatose Survivors of Cardiac Arrest. <i>Radiology</i> , 2018, 287, 247-255.	3.6	52
27	Traumatic brain injury. <i>Current Opinion in Neurology</i> , 2015, 28, 565-573.	1.8	47
28	White Matter Changes in Comatose Survivors of Anoxic Ischemic Encephalopathy and Traumatic Brain Injury: Comparative Diffusion-Tensor Imaging Study. <i>Radiology</i> , 2014, 270, 506-516.	3.6	45
29	The brainâ€“lungâ€“brain axis. <i>Intensive Care Medicine</i> , 2011, 37, 1054-1056.	3.9	44
30	Intensive care of aneurysmal subarachnoid hemorrhage: an international survey. <i>Intensive Care Medicine</i> , 2009, 35, 1556-1566.	3.9	40
31	A Precision Medicine Framework for Classifying Patients with Disorders of Consciousness: Advanced Classification of Consciousness Endotypes (ACCESS). <i>Neurocritical Care</i> , 2021, 35, 27-36.	1.2	39
32	The Spectrum of Encephalopathy in Critical Illness. <i>Seminars in Neurology</i> , 2006, 26, 440-451.	0.5	38
33	Mechanisms Underlying Disorders of Consciousness: Bridging Gaps to Move Toward an Integrated Translational Science. <i>Neurocritical Care</i> , 2021, 35, 37-54.	1.2	38
34	Emergency Neurological Life Support: Intracranial Hypertension and Herniation. <i>Neurocritical Care</i> , 2012, 17, 60-65.	1.2	36
35	Hormonal status and ICU-acquired paresis in critically ill patients. <i>Intensive Care Medicine</i> , 2010, 36, 1318-1326.	3.9	34
36	Mapping the Connectome Following Traumatic Brain Injury. <i>Current Neurology and Neuroscience Reports</i> , 2016, 16, 44.	2.0	33

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37	Research Needs for Prognostic Modeling and Trajectory Analysis in Patients with Disorders of Consciousness. <i>Neurocritical Care</i> , 2021, 35, 55-67.	1.2	31
38	Types of Brain Dysfunction in Critical Illness. <i>Neurologic Clinics</i> , 2008, 26, 469-486.	0.8	30
39	Safety and Feasibility of a Neuroscience Critical Care Program to Mobilize Patients With Primary Intracerebral Hemorrhage. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1220-1225.	0.5	30
40	The Curing Coma Campaign International Survey on Coma Epidemiology, Evaluation, and Therapy (COME TOGETHER). <i>Neurocritical Care</i> , 2022, 37, 47-59.	1.2	30
41	A syndromic surveillance tool to detect anomalous clusters of COVID-19 symptoms in the United States. <i>Scientific Reports</i> , 2021, 11, 4660.	1.6	26
42	Coma, Delirium, and Cognitive Dysfunction in Critical Illness. <i>Critical Care Clinics</i> , 2006, 22, 787-804.	1.0	25
43	Sphingolipids and microRNA Changes in Blood following Blast Traumatic Brain Injury: An Exploratory Study. <i>Journal of Neurotrauma</i> , 2018, 35, 353-361.	1.7	25
44	Imaging brain trauma. <i>Current Opinion in Critical Care</i> , 2010, 16, 92-97.	1.6	24
45	Significance of Parenchymal Brain Damage in Patients with Critical Illness. <i>Neurocritical Care</i> , 2015, 23, 243-252.	1.2	21
46	Physiological Effects of Early Incremental Mobilization of a Patient with Acute Intracerebral and Intraventricular Hemorrhage Requiring Dual External Ventricular Drainage. <i>Neurocritical Care</i> , 2017, 27, 115-119.	1.2	20
47	Head injury serum markers for assessing response to trauma: Design of the HeadSMART study. <i>Brain Injury</i> , 2017, 31, 370-378.	0.6	19
48	Ammonia Level and Mortality in Acute Liver Failure: A Single-Center Experience. <i>Annals of Transplantation</i> , 2016, 21, 479-483.	0.5	18
49	Magnetic Resonance Imaging in Aneurysmal Subarachnoid Hemorrhage: Current Evidence and Future Directions. <i>Neurocritical Care</i> , 2018, 29, 241-252.	1.2	17
50	MRI for coma emergence and recovery. <i>Current Opinion in Critical Care</i> , 2014, 20, 168-173.	1.6	16
51	Neuromuscular disorders and anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2001, 14, 693-698.	0.9	15
52	Strategies in the high-risk cardiac patient undergoing non-cardiac surgery. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2004, 18, 549-563.	1.7	15
53	Hemoglobin concentration does not impact 3-month outcome following acute ischemic stroke. <i>BMC Neurology</i> , 2018, 18, 78.	0.8	15
54	Novel approaches to prediction in severe brain injury. <i>Current Opinion in Neurology</i> , 2020, 33, 669-675.	1.8	11

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55	Anti-aging factor, serum alpha-Klotho, as a marker of acute physiological stress, and a predictor of ICU mortality, in patients with septic shock. <i>Journal of Critical Care</i> , 2018, 44, 323-330.	1.0	10
56	Impact of Structured Pathways for Postcardiac Arrest Care: A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2019, 47, e710-e716.	0.4	10
57	Extubation strategies in neuro-intensive care unit patients and associations with outcomes: the ENIO multicentre international observational study. <i>Annals of Translational Medicine</i> , 2020, 8, 503-503.	0.7	10
58	Physiological Responses to In-Bed Cycle Ergometry Treatment in Intensive Care Unit Patients with External Ventricular Drainage. <i>Neurocritical Care</i> , 2021, 35, 707-713.	1.2	10
59	Weakness in the ICU: a call to action. <i>Critical Care</i> , 2009, 13, 1002.	2.5	9
60	Intracranial pressure and its surrogates. <i>Intensive Care Medicine</i> , 2011, 37, 1051-1053.	3.9	9
61	Emergency Neurological Life Support: Approach to the Patient with Coma. <i>Neurocritical Care</i> , 2015, 23, 69-75.	1.2	9
62	Common Data Elements for COVID-19 Neuroimaging: A GCS-NeuroCOVID Proposal. <i>Neurocritical Care</i> , 2021, 34, 365-370.	1.2	9
63	Endotypes and the Path to Precision in Moderate and Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2022, 37, 259-266.	1.2	9
64	Computational signatures for post-cardiac arrest trajectory prediction: Importance of early physiological time series. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , 2022, 41, 101015.	0.6	8
65	Pharmacologic management of brain edema. <i>Current Treatment Options in Neurology</i> , 2009, 11, 64-73.	0.7	7
66	Postcardiac arrest neurological prognostication with quantitative regional cerebral densitometry. <i>Resuscitation</i> , 2020, 154, 101-109.	1.3	7
67	Lung-protective ventilation and adjunctive strategies to manage respiratory failure: are they safe in the neurological patient?. <i>Current Opinion in Critical Care</i> , 2021, 27, 115-119.	1.6	7
68	Delirium in the ICU: time to probe the hard questions. <i>Critical Care</i> , 2011, 15, 118.	2.5	6
69	Neurology of consciousness impairments. , 2013, , 59-67.		6
70	Subtypes of Delirium. <i>Critical Care Medicine</i> , 2018, 46, 2058-2059.	0.4	5
71	Mapping the Unconscious Brain: Insights From Advanced Neuroimaging. <i>Journal of Clinical Neurophysiology</i> , 2022, 39, 12-21.	0.9	5
72	Coma Science: The Territory and the Map. <i>Neurocritical Care</i> , 2021, 35, 24-26.	1.2	4

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73	Decoding accelerometry for classification and prediction of critically ill patients with severe brain injury. <i>Scientific Reports</i> , 2021, 11, 23654.	1.6	4
74	Brain Imaging in Intensive Care Medicine. <i>Seminars in Neurology</i> , 2008, 28, 631-644.	0.5	3
75	Small Vessel Disease and the Resting Functional Architecture of the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1089-1090.	2.4	3
76	Pathophysiological Insights into Spreading Depolarization in Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2019, 30, 569-571.	1.2	3
77	Impact of structured care systems on mortality in intensive care units. <i>Intensive Care Medicine</i> , 2021, 47, 713-715.	3.9	3
78	Traumatic brain injury does not disrupt costimulatory blockade-induced immunological tolerance to glial-restricted progenitor allografts. <i>Journal of Neuroinflammation</i> , 2021, 18, 104.	3.1	3
79	Digital signatures for early traumatic brain injury outcome prediction in the intensive care unit. <i>Scientific Reports</i> , 2021, 11, 19989.	1.6	3
80	Neurologic Implications of Critical Illness and Organ Dysfunction. , 2013, , 409-425.		3
81	Determinants of prognosis in neurocatastrophes. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2017, 140, 379-395.	1.0	2
82	Machine Learning to Decode the Electroencephalography for Post Cardiac Arrest Neuroprognostication*. <i>Critical Care Medicine</i> , 2019, 47, 1474-1476.	0.4	2
83	Functional status and quality of life after critical illness. , 2013, , 30-38.		1
84	Neuromodulatory and neurotoxic effects of sedative agents. , 0, , 150-159.		1
85	Brain perfusion and autoregulation in systemic critical illness. , 0, , 129-138.		1
86	Cognitive dysfunction following critical illness. , 0, , 15-22.		1
87	Neural basis of fear and anxiety. , 0, , 84-96.		1
88	Network signatures of age-related cognitive decline. <i>Neurology</i> , 2015, 85, 16-17.	1.5	1
89	Predictive Modeling in Aneurysmal Subarachnoid Hemorrhage*. <i>Critical Care Medicine</i> , 2016, 44, 1613-1614.	0.4	1
90	Inflammatory Signatures in ICU-Acquired Weakness*. <i>Critical Care Medicine</i> , 2017, 45, 1098-1100.	0.4	1

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91	Functional Loss and Resilience in Intensive Care*. Critical Care Medicine, 2020, 48, 1690-1692.	0.4	1
92	Precision Medicine for Traumatic Coma. Neurocritical Care, 2020, 33, 358-359.	1.2	1
93	Prognostic Value of a Structural Brain MRI Score in the Acute Phase of Aneurysmal Subarachnoid Hemorrhage: A Pilot Study. Neurocritical Care, 2021, 35, 501-505.	1.2	1
94	Preface. Critical Care Clinics, 2008, 24, xv-xvii.	1.0	0
95	Preface. Neurologic Clinics, 2008, 26, xiii-xv.	0.8	0
96	Mechanisms of attention and attentional impairment. , 0, , 68-75.		0
97	Delirium and dementia: unraveling the complex relationship. , 0, , 39-48.		0
98	Electroencephalography and evoked potentials in critically ill patients. , 0, , 241-256.		0
99	Autonomic dysfunction in SIRS and sepsis. , 0, , 192-199.		0
100	Sepsis-induced neuronal dysfunction and death. , 0, , 200-207.		0
101	Early physical and occupational therapy. , 0, , 316-320.		0
102	Sepsis-associated encephalopathy. , 0, , 381-390.		0
103	Metabolic encephalopathies: inborn errors of metabolism causing encephalopathies in adults. , 0, , 344-353.		0
104	Delirium and neurotransmitter dysfunction. , 0, , 139-149.		0
105	Neurological complications of cardiac surgery: stroke, encephalopathy, and cognitive decline. , 0, , 410-418.		0
106	Posterior reversible encephalopathy syndrome (PRES): the essential elements. , 0, , 362-372.		0
107	The neuroendocrine response to critical illness. , 0, , 181-191.		0
108	Psychiatric disorders following critical illnesses. , 0, , 23-29.		0

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109	Neurobiological effects of systemic physiological and metabolic insults. , 0, , 108-118.		0
110	Inflammatory mechanisms in chronic neurodegenerative disease: the impact of microglia priming. , 0, , 172-180.		0
111	New paradigms in sedation of the critically ill patient. , 0, , 285-293.		0
112	Hypoxic-ischemic encephalopathy. , 0, , 373-380.		0
113	Cerebral ischemia and reperfusion. , 0, , 119-128.		0
114	Neuroimmunological cross-talk in critical illness. , 0, , 160-171.		0
115	Bedside assessment of delirium in critically ill patients. , 0, , 229-240.		0
116	Neuroimaging of delirium. , 0, , 257-278.		0
117	Pharmacological management of delirium. , 0, , 294-304.		0
118	Rehabilitation after critical illness. , 0, , 321-328.		0
119	Encephalopathy associated with alcohol or drug withdrawal. , 0, , 354-361.		0
120	Seizures and status epilepticus in critical illness. , 0, , 391-402.		0
121	Encephalopathy and coma in acute and chronic liver failure. , 0, , 403-409.		0
122	Neurology of sleep and sleep disorders. , 0, , 76-83.		0
123	Pharmacogenomics and cerebral dysfunction. , 0, , 305-315.		0
124	Neuroimmunomodulation in sepsis. , 0, , 208-218.		0
125	Patient-centered endpoints in trials of ICU sedation. Critical Care, 2014, 18, 536.	2.5	0
126	Coma Prognostication. Critical Care Medicine, 2016, 44, 2292-2293.	0.4	0



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127	Abstract WMP83: Bidirectional Brain-Microbiome Interaction in a Murine Thrombotic Stroke Model. Stroke, 2018, 49, .	1.0	0
128	Outcome Prediction and Shared Decision-Making in Neurocritical Care. Current Clinical Neurology, 2020, , 293-300.	0.1	0