

# Robert D Stevens

## List of Publications by Year in descending order

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Version: 2024-02-01

128  
papers

5,824  
citations

117625

34  
h-index

76900

74  
g-index

143  
all docs

143  
docs citations

143  
times ranked

6314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the Unconscious Brain: Insights From Advanced Neuroimaging. <i>Journal of Clinical Neurophysiology</i> , 2022, 39, 12-21.	1.7	5
2	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.	1.4	8
3	The Curing Coma Campaign International Survey on Coma Epidemiology, Evaluation, and Therapy (COME TOGETHER). <i>Neurocritical Care</i> , 2022, 37, 47-59.	2.4	30
4	Endotypes and the Path to Precision in Moderate and Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2022, 37, 259-266.	2.4	9
5	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.	3.2	7
6	Common Data Elements for COVID-19 Neuroimaging: A GCS-NeuroCOVID Proposal. <i>Neurocritical Care</i> , 2021, 34, 365-370.	2.4	9
7	A syndromic surveillance tool to detect anomalous clusters of COVID-19 symptoms in the United States. <i>Scientific Reports</i> , 2021, 11, 4660.	3.3	26
8	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.	2.4	10
9	Prognostic Value of a Structural Brain MRI Score in the Acute Phase of Aneurysmal Subarachnoid Hemorrhage: A Pilot Study. <i>Neurocritical Care</i> , 2021, 35, 501-505.	2.4	1
10	Impact of structured care systems on mortality in intensive care units. <i>Intensive Care Medicine</i> , 2021, 47, 713-715.	8.2	3
11	Traumatic brain injury does not disrupt costimulatory blockade-induced immunological tolerance to glial-restricted progenitor allografts. <i>Journal of Neuroinflammation</i> , 2021, 18, 104.	7.2	3
12	Coma Science: The Territory and the Map. <i>Neurocritical Care</i> , 2021, 35, 24-26.	2.4	4
13	Mechanisms Underlying Disorders of Consciousness: Bridging Gaps to Move Toward an Integrated Translational Science. <i>Neurocritical Care</i> , 2021, 35, 37-54.	2.4	38
14	Research Needs for Prognostic Modeling and Trajectory Analysis in Patients with Disorders of Consciousness. <i>Neurocritical Care</i> , 2021, 35, 55-67.	2.4	31
15	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.	2.4	39
16	Therapies to Restore Consciousness in Patients with Severe Brain Injuries: A Gap Analysis and Future Directions. <i>Neurocritical Care</i> , 2021, 35, 68-85.	2.4	60
17	Digital signatures for early traumatic brain injury outcome prediction in the intensive care unit. <i>Scientific Reports</i> , 2021, 11, 19989.	3.3	3
18	Decoding accelerometry for classification and prediction of critically ill patients with severe brain injury. <i>Scientific Reports</i> , 2021, 11, 23654.	3.3	4

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19	Functional Loss and Resilience in Intensive Care*. Critical Care Medicine, 2020, 48, 1690-1692.	0.9	1
20	Precision Medicine for Traumatic Coma. Neurocritical Care, 2020, 33, 358-359.	2.4	1
21	Mechanical ventilation in patients with acute brain injury: recommendations of the European Society of Intensive Care Medicine consensus. Intensive Care Medicine, 2020, 46, 2397-2410.	8.2	140
22	Postcardiac arrest neurological prognostication with quantitative regional cerebral densitometry. Resuscitation, 2020, 154, 101-109.	3.0	7
23	Updated nomenclature of delirium and acute encephalopathy: statement of ten Societies. Intensive Care Medicine, 2020, 46, 1020-1022.	8.2	202
24	Extubation strategies in neuro-intensive care unit patients and associations with outcomes: the ENIO multicentre international observational study. Annals of Translational Medicine, 2020, 8, 503-503.	1.7	10
25	Novel approaches to prediction in severe brain injury. Current Opinion in Neurology, 2020, 33, 669-675.	3.6	11
26	Outcome Prediction and Shared Decision-Making in Neurocritical Care. Current Clinical Neurology, 2020, , 293-300.	0.2	0
27	Pathophysiological Insights into Spreading Depolarization in Severe Traumatic Brain Injury. Neurocritical Care, 2019, 30, 569-571.	2.4	3
28	Impact of Structured Pathways for Postcardiac Arrest Care: A Systematic Review and Meta-Analysis. Critical Care Medicine, 2019, 47, e710-e716.	0.9	10
29	Machine Learning to Decode the Electroencephalography for Post Cardiac Arrest Neuroprognostication*. Critical Care Medicine, 2019, 47, 1474-1476.	0.9	2
30	Magnetic Resonance Imaging in Aneurysmal Subarachnoid Hemorrhage: Current Evidence and Future Directions. Neurocritical Care, 2018, 29, 241-252.	2.4	17
31	Safety and Feasibility of a Neuroscience Critical Care Program to Mobilize Patients With Primary Intracerebral Hemorrhage. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1220-1225.	0.9	30
32	Early Functional Connectome Integrity and 1-Year Recovery in Comatose Survivors of Cardiac Arrest. Radiology, 2018, 287, 247-255.	7.3	52
33	Sphingolipids and microRNA Changes in Blood following Blast Traumatic Brain Injury: An Exploratory Study. Journal of Neurotrauma, 2018, 35, 353-361.	3.4	25
34	Anti-aging factor, serum alpha-Klotho, as a marker of acute physiological stress, and a predictor of ICU mortality, in patients with septic shock. Journal of Critical Care, 2018, 44, 323-330.	2.2	10
35	Subtypes of Delirium. Critical Care Medicine, 2018, 46, 2058-2059.	0.9	5
36	Hemoglobin concentration does not impact 3-month outcome following acute ischemic stroke. BMC Neurology, 2018, 18, 78.	1.8	15

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37	Abstract WMP83: Bidirectional Brain-Microbiome Interaction in a Murine Thrombotic Stroke Model. Stroke, 2018, 49, .	2.0	0
38	Head injury serum markers for assessing response to trauma: Design of the HeadSMART study. Brain Injury, 2017, 31, 370-378.	1.2	19
39	Physiological Effects of Early Incremental Mobilization of a Patient with Acute Intracerebral and Intraventricular Hemorrhage Requiring Dual External Ventricular Drainage. Neurocritical Care, 2017, 27, 115-119.	2.4	20
40	Inflammatory Signatures in ICU-Acquired Weakness*. Critical Care Medicine, 2017, 45, 1098-1100.	0.9	1
41	Determinants of prognosis in neurocatastrophes. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2017, 140, 379-395.	1.8	2
42	Predictive Modeling in Aneurysmal Subarachnoid Hemorrhage*. Critical Care Medicine, 2016, 44, 1613-1614.	0.9	1
43	Coma Prognostication. Critical Care Medicine, 2016, 44, 2292-2293.	0.9	0
44	Mapping the Connectome Following Traumatic Brain Injury. Current Neurology and Neuroscience Reports, 2016, 16, 44.	4.2	33
45	Ammonia Level and Mortality in Acute Liver Failure: A Single-Center Experience. Annals of Transplantation, 2016, 21, 479-483.	0.9	18
46	Traumatic brain injury. Current Opinion in Neurology, 2015, 28, 565-573.	3.6	47
47	Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. Tomography, 2015, 1, 105-114.	1.8	153
48	Outcome of delirium in critically ill patients: systematic review and meta-analysis. BMJ, The, 2015, 350, h2538-h2538.	6.0	663
49	Significance of Parenchymal Brain Damage in Patients with Critical Illness. Neurocritical Care, 2015, 23, 243-252.	2.4	21
50	Neuroprotection in acute brain injury: an up-to-date review. Critical Care, 2015, 19, 186.	5.8	120
51	Resting brain activity in disorders of consciousness. Neurology, 2015, 84, 1272-1280.	1.1	136
52	Network signatures of age-related cognitive decline. Neurology, 2015, 85, 16-17.	1.1	1
53	Emergency Neurological Life Support: Intracranial Hypertension and Herniation. Neurocritical Care, 2015, 23, 76-82.	2.4	103
54	Emergency Neurological Life Support: Approach to the Patient with Coma. Neurocritical Care, 2015, 23, 69-75.	2.4	9

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55	An Official American Thoracic Society Clinical Practice Guideline: The Diagnosis of Intensive Care Unitâ€acquired Weakness in Adults. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1437-1446.	5.6	338
56	White Matter Changes in Comatose Survivors of Anoxic Ischemic Encephalopathy and Traumatic Brain Injury: Comparative Diffusion-Tensor Imaging Study. Radiology, 2014, 270, 506-516.	7.3	45
57	Patient-centered endpoints in trials of ICU sedation. Critical Care, 2014, 18, 536.	5.8	0
58	MRI for coma emergence and recovery. Current Opinion in Critical Care, 2014, 20, 168-173.	3.2	16
59	Neurological examination of critically ill patients: a pragmatic approach. Report of an ESICM expert panel. Intensive Care Medicine, 2014, 40, 484-495.	8.2	127
60	Small Vessel Disease and the Resting Functional Architecture of the Brain. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1089-1090.	4.3	3
61	Prognosis in Severe Brain Injury. Critical Care Medicine, 2013, 41, 1104-1123.	0.9	109
62	Functional status and quality of life after critical illness. , 2013, , 30-38.		1
63	Neurology of consciousness impairments. , 2013, , 59-67.		6
64	Neurologic Implications of Critical Illness and Organ Dysfunction. , 2013, , 409-425.		3
65	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. Anesthesiology, 2012, 117, 1300-1310.	2.5	133
66	Emergency Neurological Life Support: Intracranial Hypertension and Herniation. Neurocritical Care, 2012, 17, 60-65.	2.4	36
67	Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. Anesthesiology, 2012, 117, 1311-1321.	2.5	102
68	Delirium in the ICU: time to probe the hard questions. Critical Care, 2011, 15, 118.	5.8	6
69	Intracranial pressure and its surrogates. Intensive Care Medicine, 2011, 37, 1051-1053.	8.2	9
70	The brainâ€lungâ€brain axis. Intensive Care Medicine, 2011, 37, 1054-1056.	8.2	44
71	Imaging brain trauma. Current Opinion in Critical Care, 2010, 16, 92-97.	3.2	24
72	Hormonal status and ICU-acquired paresis in critically ill patients. Intensive Care Medicine, 2010, 36, 1318-1326.	8.2	34

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73	Pharmacologic management of brain edema. <i>Current Treatment Options in Neurology</i> , 2009, 11, 64-73.	1.8	7
74	Intensive care of aneurysmal subarachnoid hemorrhage: an international survey. <i>Intensive Care Medicine</i> , 2009, 35, 1556-1566.	8.2	40
75	Weakness in the ICU: a call to action. <i>Critical Care</i> , 2009, 13, 1002.	5.8	9
76	Sepsis-associated encephalopathy and its differential diagnosis. <i>Critical Care Medicine</i> , 2009, 37, S331-S336.	0.9	213
77	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.	0.9	208
78	A framework for diagnosing and classifying intensive care unit-acquired weakness. <i>Critical Care Medicine</i> , 2009, 37, S299-S308.	0.9	487
79	The Role of Mechanical Ventilation in Acute Brain Injury. <i>Neurologic Clinics</i> , 2008, 26, 543-563.	1.8	54
80	Preface. <i>Critical Care Clinics</i> , 2008, 24, xv-xvii.	2.6	0
81	Mechanisms of Neurologic Failure in Critical Illness. <i>Critical Care Clinics</i> , 2008, 24, 1-24.	2.6	67
82	Types of Brain Dysfunction in Critical Illness. <i>Neurologic Clinics</i> , 2008, 26, 469-486.	1.8	30
83	Preface. <i>Neurologic Clinics</i> , 2008, 26, xiii-xv.	1.8	0
84	Brain Imaging in Intensive Care Medicine. <i>Seminars in Neurology</i> , 2008, 28, 631-644.	1.4	3
85	The systemic implications of aneurysmal subarachnoid hemorrhage. <i>Journal of the Neurological Sciences</i> , 2007, 261, 143-156.	0.6	63
86	Neuromuscular dysfunction acquired in critical illness: a systematic review. <i>Intensive Care Medicine</i> , 2007, 33, 1876-1891.	8.2	527
87	Coma, Delirium, and Cognitive Dysfunction in Critical Illness. <i>Critical Care Clinics</i> , 2006, 22, 787-804.	2.6	25
88	Controversies in the management of aneurysmal subarachnoid hemorrhage*. <i>Critical Care Medicine</i> , 2006, 34, 511-524.	0.9	117
89	Approach to the comatose patient. <i>Critical Care Medicine</i> , 2006, 34, 31-41.	0.9	125
90	The Spectrum of Encephalopathy in Critical Illness. <i>Seminars in Neurology</i> , 2006, 26, 440-451.	1.4	38

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91	Glucocorticoid therapy in neurologic critical care. <i>Critical Care Medicine</i> , 2005, 33, 1214-1224.	0.9	106
92	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.	4.0	15
93	Pharmacologic Myocardial Protection in Patients Undergoing Noncardiac Surgery: A Quantitative Systematic Review. <i>Anesthesia and Analgesia</i> , 2003, 97, 623-633.	2.2	215
94	Critical Care and Perioperative Management in Traumatic Spinal Cord Injury. <i>Journal of Neurosurgical Anesthesiology</i> , 2003, 15, 215-229.	1.2	91
95	Neuromuscular disorders and anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2001, 14, 693-698.	2.0	15
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	Neuromodulatory and neurotoxic effects of sedative agents. , 0 , 150-159.		1
110	Brain perfusion and autoregulation in systemic critical illness. , 0 , 129-138.		1
111	Cognitive dysfunction following critical illness. , 0 , 15-22.		1
112	Neural basis of fear and anxiety. , 0 , 84-96.		1
113	Neurobiological effects of systemic physiological and metabolic insults. , 0 , 108-118.		0
114	Inflammatory mechanisms in chronic neurodegenerative disease: the impact of microglia priming. , 0 , 172-180.		0
115	New paradigms in sedation of the critically ill patient. , 0 , 285-293.		0
116	Hypoxic-ischemic encephalopathy. , 0 , 373-380.		0
117	Cerebral ischemia and reperfusion. , 0 , 119-128.		0
118	Neuroimmunological cross-talk in critical illness. , 0 , 160-171.		0
119	Bedside assessment of delirium in critically ill patients. , 0 , 229-240.		0
120	Neuroimaging of delirium. , 0 , 257-278.		0
121	Pharmacological management of delirium. , 0 , 294-304.		0
122	Rehabilitation after critical illness. , 0 , 321-328.		0
123	Encephalopathy associated with alcohol or drug withdrawal. , 0 , 354-361.		0
124	Seizures and status epilepticus in critical illness. , 0 , 391-402.		0
125	Encephalopathy and coma in acute and chronic liver failure. , 0 , 403-409.		0
126	Neurology of sleep and sleep disorders. , 0 , 76-83.		0



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127	Pharmacogenomics and cerebral dysfunction. , 0, , 305-315.		0
128	Neuroimmunomodulation in sepsis. , 0, , 208-218.		0