

Claudia Robertson

List of Publications by Year in descending order

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88
papers

4,759
citations

109321

35
h-index

102487

66
g-index

89
all docs

89
docs citations

89
times ranked

4728
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Erythropoietin and Transfusion Threshold on Neurological Recovery After Traumatic Brain Injury. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 36.	7.4	414
2	Inhibition of mononuclear phagocytes reduces ischemic injury in the spinal cord. <i>Annals of Neurology</i> , 1990, 27, 33-42.	5.3	367
3	A management algorithm for patients with intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). <i>Intensive Care Medicine</i> , 2019, 45, 1783-1794.	8.2	292
4	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers. <i>JAMA Neurology</i> , 2019, 76, 1049.	9.0	247
5	A management algorithm for adult patients with both brain oxygen and intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). <i>Intensive Care Medicine</i> , 2020, 46, 919-929.	8.2	207
6	Cerebral blood flow, arteriovenous oxygen difference, and outcome in head injured patients.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1992, 55, 594-603.	1.9	155
7	Human Traumatic Brain Injury Induces Autoantibody Response against Glial Fibrillary Acidic Protein and Its Breakdown Products. <i>PLoS ONE</i> , 2014, 9, e92698.	2.5	149
8	Management of Cerebral Perfusion Pressure after Traumatic Brain Injury. <i>Anesthesiology</i> , 2001, 95, 1513-1517.	2.5	141
9	The Consequences of Traumatic Brain Injury on Cerebral Blood Flow and Autoregulation: A Review. <i>Clinical and Experimental Hypertension</i> , 1999, 21, 299-332.	1.3	134
10	Assessment of Follow-up Care After Emergency Department Presentation for Mild Traumatic Brain Injury and Concussion. <i>JAMA Network Open</i> , 2018, 1, e180210.	5.9	119
11	Brain Nitric Oxide Changes After Controlled Cortical Impact Injury in Rats. <i>Journal of Neurophysiology</i> , 2000, 83, 2171-2178.	1.8	113
12	Axon Initial Segmentâ€Associated Microglia. <i>Journal of Neuroscience</i> , 2015, 35, 2283-2292.	3.6	107
13	The evolution of white matter microstructural changes after mild traumatic brain injury: A longitudinal DTI and NODDI study. <i>Science Advances</i> , 2020, 6, eaaz6892.	10.3	106
14	Functional Outcomes Over the First Year After Moderate to Severe Traumatic Brain Injury in the Prospective, Longitudinal TRACK-TBI Study. <i>JAMA Neurology</i> , 2021, 78, 982.	9.0	103
15	A Consensus-Based Interpretation of the Benchmark Evidence from South American Trials: Treatment of Intracranial Pressure Trial. <i>Journal of Neurotrauma</i> , 2015, 32, 1722-1724.	3.4	94
16	Plasma cytokines IL-6, IL-8, and IL-10 are associated with the development of acute respiratory distress syndrome in patients with severe traumatic brain injury. <i>Critical Care</i> , 2016, 20, 288.	5.8	85
17	Multi-modal MRI of mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2015, 7, 87-97.	2.7	82
18	Clinical Evaluation of a Portable Near-Infrared Device for Detection of Traumatic Intracranial Hematomas. <i>Journal of Neurotrauma</i> , 2010, 27, 1597-1604.	3.4	79

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19	The Relation Between Acute Physiological Variables and Outcome on the Glasgow Outcome Scale and Disability Rating Scale Following Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2001, 18, 115-125.	3.4	73
20	Secondary brain injury: Predicting and preventing insults. <i>Neuropharmacology</i> , 2019, 145, 145-152.	4.1	70
21	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2737-2754.	3.4	68
22	Clinical Evaluation of a Miniature Strain-Gauge Transducer for Monitoring Intracranial Pressure. <i>Neurosurgery</i> , 1995, 36, 1137-1141.	1.1	63
23	Dual Vulnerability of TDP-43 to Calpain and Caspase-3 Proteolysis after Neurotoxic Conditions and Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1444-1452.	4.3	63
24	Repeated mild traumatic brain injury produces neuroinflammation, anxiety-like behaviour and impaired spatial memory in mice. <i>Brain Injury</i> , 2018, 32, 113-122.	1.2	59
25	Cortical Thickness in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 1809-1817.	3.4	54
26	RhoA-ROCK Inhibition Reverses Synaptic Remodeling and Motor and Cognitive Deficits Caused by Traumatic Brain Injury. <i>Scientific Reports</i> , 2017, 7, 10689.	3.3	53
27	Pathological Computed Tomography Features Associated With Adverse Outcomes After Mild Traumatic Brain Injury. <i>JAMA Neurology</i> , 2021, 78, 1137.	9.0	53
28	Diagnosing Level of Consciousness: The Limits of the Glasgow Coma Scale Total Score. <i>Journal of Neurotrauma</i> , 2021, 38, 3295-3305.	3.4	51
29	Morbidity and mortality associated with hypernatremia in patients with severe traumatic brain injury. <i>Neurosurgical Focus</i> , 2017, 43, E2.	2.3	50
30	Clinical application of near-infrared spectroscopy in patients with traumatic brain injury: a review of the progress of the field. <i>Neurophotonics</i> , 2016, 3, 031409.	3.3	48
31	Factors associated with shunt-dependent hydrocephalus after decompressive craniectomy for traumatic brain injury. <i>Journal of Neurosurgery</i> , 2018, 128, 1547-1552.	1.6	47
32	Progressive hemorrhagic injury after severe traumatic brain injury: effect of hemoglobin transfusion thresholds. <i>Journal of Neurosurgery</i> , 2016, 125, 1229-1234.	1.6	46
33	Systemic manifestations of traumatic brain injury. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2015, 127, 205-218.	1.8	44
34	Neuroprotection with an Erythropoietin Mimetic Peptide (pHBSP) in a Model of Mild Traumatic Brain Injury Complicated by Hemorrhagic Shock. <i>Journal of Neurotrauma</i> , 2012, 29, 1156-1166.	3.4	42
35	Loss of Consciousness Is Related to White Matter Injury in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 2000-2010.	3.4	40
36	Variants of the Endothelial Nitric Oxide Gene and Cerebral Blood Flow after Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 727-737.	3.4	39

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37	The Role of Multimodal Invasive Monitoring in Acute Traumatic Brain Injury. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 509-517.	1.7	39
38	Effect of Hemoglobin Transfusion Threshold on Cerebral Hemodynamics and Oxygenation. <i>Journal of Neurotrauma</i> , 2015, 32, 1239-1245.	3.4	36
39	Early versus Late Profiles of Inflammatory Cytokines after Mild Traumatic Brain Injury and Their Association with Neuropsychological Outcomes. <i>Journal of Neurotrauma</i> , 2021, 38, 53-62.	3.4	36
40	Reduction in the mechanonociceptive response by intrathecal administration of glycine and related compounds. <i>Neurochemical Research</i> , 1996, 21, 1221-1226.	3.3	35
41	High-Sensitivity C-Reactive Protein is a Prognostic Biomarker of Six-Month Disability after Traumatic Brain Injury: Results from the TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021, 38, 918-927.	3.4	33
42	Intravenous cocaine abuse and subarachnoid haemorrhage: Effect on outcome. <i>British Journal of Neurosurgery</i> , 1990, 4, 27-30.	0.8	31
43	Reduction in thermal hyperalgesia by intrathecal administration of glycine and related compounds. <i>Neurochemical Research</i> , 1997, 22, 75-79.	3.3	31
44	Phase II Clinical Trial of Atorvastatin in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1394-1401.	3.4	29
45	Treatment of Mild Traumatic Brain Injury with an Erythropoietin-Mimetic Peptide. <i>Journal of Neurotrauma</i> , 2013, 30, 765-774.	3.4	26
46	L-Arginine Partially Restores the Diminished CO ₂ Reactivity after Mild Controlled Cortical Impact Injury in the Adult Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 820-828.	4.3	24
47	Predictors of intensive care unit length of stay and intracranial pressure in severe traumatic brain injury. <i>Journal of Critical Care</i> , 2015, 30, 1258-1262.	2.2	24
48	Prognosis of Six-Month Glasgow Outcome Scale in Severe Traumatic Brain Injury Using Hospital Admission Characteristics, Injury Severity Characteristics, and Physiological Monitoring during the First Day Post-Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2417-2422.	3.4	23
49	Diffusion Tensor Imaging Reveals Elevated Diffusivity of White Matter Microstructure that Is Independently Associated with Long-Term Outcome after Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2022, 39, 1318-1328.	3.4	23
50	S-Adenosylmethionine Decarboxylase Activity Is Decreased in the Rat Cortex After Traumatic Brain Injury. <i>Journal of Neurochemistry</i> , 2002, 69, 259-265.	3.9	22
51	Evaluation of a Device Combining an Inferior Vena Cava Filter and a Central Venous Catheter for Preventing Pulmonary Embolism Among Critically Ill Trauma Patients. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 1248-1254.	0.5	22
52	Arginase overexpression in neurons and its effect on traumatic brain injury. <i>Molecular Genetics and Metabolism</i> , 2018, 125, 112-117.	1.1	22
53	Impact of Antithrombotic Agents on Radiological Lesion Progression in Acute Traumatic Brain Injury: A CENTER-TBI Propensity-Matched Cohort Analysis. <i>Journal of Neurotrauma</i> , 2020, 37, 2069-2080.	3.4	22
54	Latent Profile Analysis of Neuropsychiatric Symptoms and Cognitive Function of Adults 2 Weeks After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021, 4, e213467.	5.9	22

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55	Temporal Profile of Microtubule-Associated Protein 2: A Novel Indicator of Diffuse Brain Injury Severity and Early Mortality after Brain Trauma. <i>Journal of Neurotrauma</i> , 2018, 35, 32-40.	3.4	19
56	Segmental Recovery of Amino Acid Neurotransmitters During Posterior Epidural Stimulation After Spinal Cord Injury. <i>The Journal of the American Paraplegia Society</i> , 1993, 16, 34-41.	0.5	18
57	Association of Posttraumatic Epilepsy With 1-Year Outcomes After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021, 4, e2140191.	5.9	18
58	Recovery of Amino Acid Neurotransmitters from the Spinal Cord During Posterior Epidural Stimulation: A Preliminary Study. <i>The Journal of the American Paraplegia Society</i> , 1991, 14, 3-8.	0.5	17
59	Evaluation of a regional oxygen saturation catheter for monitoring SJVO2 in head injured patients. <i>Journal of Clinical Monitoring and Computing</i> , 1996, 12, 285-291.	0.7	17
60	Hypothermia for Increased Intracranial Pressure: Is It Dead?. <i>Current Neurology and Neuroscience Reports</i> , 2016, 16, 78.	4.2	16
61	MicroRNA sequencing of rat hippocampus and human biofluids identifies acute, chronic, focal and diffuse traumatic brain injuries. <i>Scientific Reports</i> , 2020, 10, 3341.	3.3	16
62	Every breath you take: hyperventilation and intracranial pressure.. <i>Cleveland Clinic Journal of Medicine</i> , 2004, 71, S14-S14.	1.3	16
63	Endothelial Nitric Oxide Synthase Mediates the Cerebrovascular Effects of Erythropoietin in Traumatic Brain Injury. <i>Frontiers in Immunology</i> , 2014, 5, 494.	4.8	15
64	Multicenter Validation of the Survival After Acute Civilian Penetrating Brain Injuries (SPIN) Score. <i>Neurosurgery</i> , 2019, 85, E872-E879.	1.1	13
65	Glasgow Outcome Scale Measures and Impact on Analysis and Results of a Randomized Clinical Trial of Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 2484-2492.	3.4	13
66	Evaluation of a New Fiberoptic Catheter for Monitoring Jugular Venous Oxygen Saturation. <i>Neurosurgery</i> , 1999, 44, 1280-1285.	1.1	12
67	Finding family for prospective consent in emergency research. <i>Clinical Trials</i> , 2007, 4, 631-637.	1.6	11
68	Lateral Ventricle Volume Asymmetry Predicts Midline Shift in Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1307-1311.	3.4	11
69	Generation and Release of Neurogranin, Vimentin, and MBP Proteolytic Peptides, Following Traumatic Brain Injury. <i>Molecular Neurobiology</i> , 2022, 59, 731-747.	4.0	11
70	Transfusion in Traumatic Brain Injury. <i>Current Treatment Options in Neurology</i> , 2015, 17, 46.	1.8	8
71	Longitudinal Changes in Disability Rating Scale Scores: A Secondary Analysis Among Patients With Severe TBI Enrolled in the Epo Clinical Trial. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 293-301.	1.8	8
72	Smaller Regional Brain Volumes Predict Posttraumatic Stress Disorder at 3 Months After Mild Traumatic Brain Injury. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 352-359.	1.5	8

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73	Critical Care Management of the Patient with Traumatic Brain Injury. <i>Seminars in Neurology</i> , 2016, 36, 570-576.	1.4	6
74	Functional and Structural Improvement with a Catalytic Carbon Nano-Antioxidant in Experimental Traumatic Brain Injury Complicated by Hypotension and Resuscitation. <i>Journal of Neurotrauma</i> , 2019, 36, 2139-2146.	3.4	6
75	Spinal epidural corticomotor evoked potentials as a predictor of outcome from ischaemic myelopathy. <i>Neurological Research</i> , 1993, 15, 104-108.	1.3	5
76	Alcohol and the head-injured patient. <i>Trauma</i> , 2012, 14, 233-242.	0.5	5
77	A Precision Medicine Agenda in Traumatic Brain Injury. <i>Frontiers in Pharmacology</i> , 2022, 13, 713100.	3.5	5
78	Erythropoietin in the Neurology ICU. <i>Current Treatment Options in Neurology</i> , 2013, 15, 104-112.	1.8	4
79	Cerebral blood flow, AVDO ₂ , and neurologic outcome in head-injured patients. <i>Journal of Neurotrauma</i> , 1992, 9 Suppl 1, S349-58.	3.4	4
80	Spectral analysis of corticomotor evoked potentials in spinal cord injury. Part 2. Chronic studies. <i>Neurological Research</i> , 1993, 15, 373-378.	1.3	2
81	Disability Rating Scale in the First Few Weeks After a Severe Traumatic Brain Injury as a Predictor of 6-Month Functional Outcome. <i>Neurosurgery</i> , 2021, 88, 619-626.	1.1	2
82	Neurophysiologic monitoring of patients with head injuries. <i>Neurosurgery Clinics of North America</i> , 1991, 2, 285-99.	1.7	2
83	Spectral analysis of corticomotor evoked potentials in spinal cord injury. Part 1. Acute studies. <i>Neurological Research</i> , 1993, 15, 367-372.	1.3	1
84	Studies of Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 609-609.	3.4	1
85	Blood flow and metabolic therapy in CNS injury. <i>Journal of Neurotrauma</i> , 1992, 9 Suppl 2, S579-94.	3.4	1
86	Cerebral metabolic management. <i>New Horizons: an Official Publication of the Society of Critical Care Medicine</i> , 1995, 3, 410-22.	0.1	1
87	Erythropoietin for Traumatic Brain Injury—Reply. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1929.	7.4	0
88	Predicting Clinical Outcomes 7–10 Years after Severe Traumatic Brain Injury: Exploring the Prognostic Utility of the IMPACT Lab Model and Cerebrospinal Fluid UCH-L1 and MAP-2. <i>Neurocritical Care</i> , 2022, , .	2.4	0