

# David W Nelson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8392757/david-w-nelson-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

1,247  
citations

18  
h-index

35  
g-index

47  
ext. papers

1,739  
ext. citations

6  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
41	A review of the clinical utility of serum S100B protein levels in the assessment of traumatic brain injury. <i>Acta Neurochirurgica</i> , <b>2017</b> , 159, 209-225	3	155
40	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , <b>2019</b> , 18, 923-934	24.1	139
39	Serial Sampling of Serum Protein Biomarkers for Monitoring Human Traumatic Brain Injury Dynamics: A Systematic Review. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 300	4.1	112
38	Extended analysis of early computed tomography scans of traumatic brain injured patients and relations to outcome. <i>Journal of Neurotrauma</i> , <b>2010</b> , 27, 51-64	5.4	96
37	Comparative Assessment of the Prognostic Value of Biomarkers in Traumatic Brain Injury Reveals an Independent Role for Serum Levels of Neurofilament Light. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132177	3.7	88
36	A Serum Protein Biomarker Panel Improves Outcome Prediction in Human Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2019</b> , 36, 2850-2862	5.4	78
35	Utility of neuron-specific enolase in traumatic brain injury; relations to S100B levels, outcome, and extracranial injury severity. <i>Critical Care</i> , <b>2016</b> , 20, 285	10.8	77
34	Variation in monitoring and treatment policies for intracranial hypertension in traumatic brain injury: a survey in 66 neurotrauma centers participating in the CENTER-TBI study. <i>Critical Care</i> , <b>2017</b> , 21, 233	10.8	58
33	Cerebral microdialysis of patients with severe traumatic brain injury exhibits highly individualistic patterns as visualized by cluster analysis with self-organizing maps. <i>Critical Care Medicine</i> , <b>2004</b> , 32, 2428-36	1.4	54
32	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. <i>Journal of Clinical Epidemiology</i> , <b>2020</b> , 122, 95-107	5.7	47
31	Evaluation of novel computerized tomography scoring systems in human traumatic brain injury: An observational, multicenter study. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002368	11.6	45
30	Analyses of cerebral microdialysis in patients with traumatic brain injury: relations to intracranial pressure, cerebral perfusion pressure and catheter placement. <i>BMC Medicine</i> , <b>2011</b> , 9, 21	11.4	38
29	Variation in general supportive and preventive intensive care management of traumatic brain injury: a survey in 66 neurotrauma centers participating in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. <i>Critical Care</i> , <b>2018</b> , 22, 90	10.8	34
28	Influence of Blood-Brain Barrier Integrity on Brain Protein Biomarker Clearance in Severe Traumatic Brain Injury: A Longitudinal Prospective Study. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 1381-1391	5.4	27
27	Microdialysis Monitoring of CSF Parameters in Severe Traumatic Brain Injury Patients: A Novel Approach. <i>Frontiers in Neurology</i> , <b>2014</b> , 5, 159	4.1	23
26	How to Translate Time: The Temporal Aspects of Rodent and Human Pathobiological Processes in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2019</b> , 36, 1724-1737	5.4	21
25	Multivariate outcome prediction in traumatic brain injury with focus on laboratory values. <i>Journal of Neurotrauma</i> , <b>2012</b> , 29, 2613-24	5.4	21

24	Assessment of Platelet Function in Traumatic Brain Injury-A Retrospective Observational Study in the Neuro-Critical Care Setting. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 15	4.1	20
23	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0243427	3.7	14
22	Variation in Guideline Implementation and Adherence Regarding Severe Traumatic Brain Injury Treatment: A CENTER-TBI Survey Study in Europe. <i>World Neurosurgery</i> , <b>2019</b> , 125, e515-e520	2.1	12
21	Changing care pathways and between-center practice variations in intensive care for traumatic brain injury across Europe: a CENTER-TBI analysis. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 995-1004	14.5	12
20	Outcome Prediction after Moderate and Severe Traumatic Brain Injury: External Validation of Two Established Prognostic Models in 1742 European Patients. <i>Journal of Neurotrauma</i> , <b>2021</b> , 38, 1377-1388	5.4	11
19	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> , <b>2020</b> , 37, 2069-2080	5.4	9
18	Prehospital Intubation and Outcome in Traumatic Brain Injury-Assessing Intervention Efficacy in a Modern Trauma Cohort. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 194	4.1	9
17	Toward a New Multi-Dimensional Classification of Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research for Traumatic Brain Injury Study. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 1002-1010	5.4	9
16	Comparison of high versus low frequency cerebral physiology for cerebrovascular reactivity assessment in traumatic brain injury: a multi-center pilot study. <i>Journal of Clinical Monitoring and Computing</i> , <b>2020</b> , 34, 971-994	2	9
15	Intensive care admission criteria for traumatic brain injury patients across Europe. <i>Journal of Critical Care</i> , <b>2019</b> , 49, 158-161	4	8
14	Early Osmotherapy in Severe Traumatic Brain Injury: An International Multicenter Study. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 178-184	5.4	8
13	Temporal patterns of organ dysfunction after severe trauma. <i>Critical Care</i> , <b>2021</b> , 25, 165	10.8	3
12	Use and impact of high intensity treatments in patients with traumatic brain injury across Europe: a CENTER-TBI analysis. <i>Critical Care</i> , <b>2021</b> , 25, 78	10.8	3
11	Variability in Serum Sodium Concentration and Prognostic Significance in Severe Traumatic Brain Injury: A Multicenter Observational Study. <i>Neurocritical Care</i> , <b>2021</b> , 34, 899-907	3.3	2
10	Prognostic performance of computerized tomography scoring systems in civilian penetrating traumatic brain injury: an observational study. <i>Acta Neurochirurgica</i> , <b>2019</b> , 161, 2467-2478	3	1
9	The Role of Glycerol-Containing Drugs in Cerebral Microdialysis: A Retrospective Study on the Effects of Intravenously Administered Glycerol. <i>Neurocritical Care</i> , <b>2019</b> , 30, 590-600	3.3	1
8	Delayed Neurosurgical Intervention in Traumatic Brain Injury Patients Referred From Primary Hospitals Is Not Associated With an Unfavorable Outcome. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 610192	4.1	1
7	Cerebrospinal fluid cell count variability is a major confounding factor in external ventricular drain-associated infection surveillance diagnostics: a prospective observational study. <i>Critical Care</i> , <b>2021</b> , 25, 291	10.8	1

- 6 Imputation strategies for missing baseline neurological assessment covariates after traumatic brain injury: A CENTER-TBI study. *PLoS ONE*, **2021**, 16, e0253425 3.7 1
- 5 Navigation system for percutaneous tracheotomy. *Acta Oto-Laryngologica*, **2021**, 141, 953-959 1.6
- 4 Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study **2020**, 15, e0243427
- 3 Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study **2020**, 15, e0243427
- 2 Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study **2020**, 15, e0243427
- 1 Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study **2020**, 15, e0243427