

# Jeffrey N Browndyke

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

4,987  
citations

218677

26  
h-index

98798

67  
g-index

84  
all docs

84  
docs citations

84  
times ranked

7085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerobic Exercise and Neurocognitive Performance: A Meta-Analytic Review of Randomized Controlled Trials. <i>Psychosomatic Medicine</i> , 2010, 72, 239-252.	2.0	1,289
2	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgeryâ€”2018. <i>British Journal of Anaesthesia</i> , 2018, 121, 1005-1012.	3.4	420
3	Identification of MCI individuals using structural and functional connectivity networks. <i>NeuroImage</i> , 2012, 59, 2045-2056.	4.2	334
4	Effects of the Dietary Approaches to Stop Hypertension Diet, Exercise, and Caloric Restriction on Neurocognition in Overweight Adults With High Blood Pressure. <i>Hypertension</i> , 2010, 55, 1331-1338.	2.7	279
5	Postoperative Cognitive Dysfunction. <i>Anesthesiology Clinics</i> , 2015, 33, 517-550.	1.4	215
6	Enriched white matter connectivity networks for accurate identification of MCI patients. <i>NeuroImage</i> , 2011, 54, 1812-1822.	4.2	191
7	Temporal lobe functional activity and connectivity in young adult <i>APOE</i> $\epsilon$ 4 carriers. <i>Alzheimer's and Dementia</i> , 2010, 6, 303-311.	0.8	177
8	Neurocognitive Function after Cardiac Surgery. <i>Anesthesiology</i> , 2018, 129, 829-851.	2.5	157
9	State of the clinical science of perioperative brain health: report from the American Society of Anesthesiologists Brain Health Initiative Summit 2018. <i>British Journal of Anaesthesia</i> , 2019, 123, 464-478.	3.4	134
10	Resting-State Multi-Spectrum Functional Connectivity Networks for Identification of MCI Patients. <i>PLoS ONE</i> , 2012, 7, e37828.	2.5	127
11	Applications of Computer-based Neuropsychological Assessment. <i>Journal of Head Trauma Rehabilitation</i> , 2002, 17, 395-410.	1.7	121
12	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials. <i>Journal of the American College of Cardiology</i> , 2017, 69, 679-691.	2.8	110
13	The neuropsychological profile of vascular cognitive impairment?no dementia: comparisons to patients at risk for cerebrovascular disease and vascular dementia. <i>Archives of Clinical Neuropsychology</i> , 2004, 19, 745-757.	0.5	103
14	Intraoperative Frontal Alpha-Band Power Correlates with Preoperative Neurocognitive Function in Older Adults. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 24.	2.5	97
15	Genetic Regulation of $\alpha$ -Synuclein mRNA Expression in Various Human Brain Tissues. <i>PLoS ONE</i> , 2009, 4, e7480.	2.5	77
16	Lifestyle and neurocognition in older adults with cognitive impairments. <i>Neurology</i> , 2019, 92, e212-e223.	1.1	71
17	Factor Structure of the National Alzheimer's Coordinating Centers Uniform Dataset Neuropsychological Battery. <i>Alzheimer Disease and Associated Disorders</i> , 2011, 25, 128-137.	1.3	63
18	Restingâ€”State Functional Connectivity and Cognition After Major Cardiac Surgery in Older Adults without Preoperative Cognitive Impairment: Preliminary Findings. <i>Journal of the American Geriatrics Society</i> , 2017, 65, e6-e12.	2.6	63

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19	Effect of Cerebral Embolic Protection Devices on CNS Infarction in Surgical Aortic Valve Replacement. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 536.	7.4	61
20	Perfusion abnormalities and decision making in cocaine dependence. <i>Biological Psychiatry</i> , 2004, 56, 527-530.	1.3	60
21	Intraoperative Magnesium Administration Does Not Improve Neurocognitive Function After Cardiac Surgery. <i>Stroke</i> , 2013, 44, 3407-3413.	2.0	54
22	Diabetes and the Association of Postoperative Hyperglycemia With Clinical and Economic Outcomes in Cardiac Surgery. <i>Diabetes Care</i> , 2016, 39, 408-417.	8.6	50
23	Phenotypic regional functional imaging patterns during memory encoding in mild cognitive impairment and Alzheimer's disease. , 2013, 9, 284-294.		48
24	Neuroanatomical correlates of malingered memory impairment: Event-related fMRI of deception on a recognition memory task. <i>Brain Injury</i> , 2008, 22, 481-489.	1.2	44
25	The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 794-798.	2.6	43
26	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials. <i>European Heart Journal</i> , 2018, 39, 1687-1697.	2.2	38
27	Long-Term Citicoline (Cytidine Diphosphate Choline) Use in Patients with Vascular Dementia: Neuroimaging and Neuropsychological Outcomes. <i>Cerebrovascular Diseases</i> , 2003, 16, 199-204.	1.7	37
28	Lifestyle and Neurocognition in Older Adults With Cardiovascular Risk Factors and Cognitive Impairment. <i>Psychosomatic Medicine</i> , 2017, 79, 719-727.	2.0	29
29	Acute Neuropsychological Functioning Following Cardiosurgical Interventions Associated With the Production of Intraoperative Cerebral Microemboli. <i>Clinical Neuropsychologist</i> , 2002, 16, 463-471.	2.3	26
30	Examining the Effect of Cerebral Perfusion Abnormality Magnitude on Cognitive Performance in Recently Abstinent Chronic Cocaine Abusers. <i>Journal of Neuroimaging</i> , 2004, 14, 162-169.	2.0	26
31	Computer-Related Anxiety: Examining the Impact of Technology-Specific Affect on the Performance of a Computerized Neuropsychological Assessment Measure. <i>Applied Neuropsychology</i> , 2002, 9, 210-218.	1.5	23
32	fMRI correlates of the WAISâ€“III Symbol Search subtest. <i>Journal of the International Neuropsychological Society</i> , 2005, 11, 471-476.	1.8	22
33	Validation of the Coin Rotation Test. <i>Neurologist</i> , 2010, 16, 249-253.	0.7	22
34	Taskâ€“related changes in degree centrality and local coherence of the posterior cingulate cortex after major cardiac surgery in older adults. <i>Human Brain Mapping</i> , 2018, 39, 985-1003.	3.6	22
35	Flow Cytometry Characterization of Cerebrospinal Fluid Monocytes in Patients With Postoperative Cognitive Dysfunction: A Pilot Study. <i>Anesthesia and Analgesia</i> , 2019, 129, e150-e154.	2.2	21
36	Clinical Correlates of Cognitive Decline in Vascular Dementia. <i>Cognitive and Behavioral Neurology</i> , 2003, 16, 40-46.	0.9	20

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37	Progressive morphometric and cognitive changes in vascular dementia. Archives of Clinical Neuropsychology, 2005, 20, 229-241.	0.5	20
38	Dementia Severity and Pattern of Cognitive Performance in Vascular Dementia. Applied Neuropsychology, 2001, 8, 211-217.	1.5	18
39	Can lifestyle modification improve neurocognition? Rationale and design of the ENLIGHTEN clinical trial. Contemporary Clinical Trials, 2013, 34, 60-69.	1.8	18
40	Pre-clinical Cognitive Phenotypes for Alzheimer Disease: A Latent Profile Approach. American Journal of Geriatric Psychiatry, 2014, 22, 1364-1374.	1.2	18
41	Gender-specific vulnerability for rCBF abnormalities among cocaine abusers. NeuroReport, 2004, 15, 797-801.	1.2	17
42	Preoperative Cognitive Impairment As a Predictor of Postoperative Outcomes in a Collaborative Care Model. Journal of the American Geriatrics Society, 2018, 66, 584-589.	2.6	17
43	Longer Term Effects of Diet and Exercise on Neurocognition: 1â€Year Followâ€up of the ENLIGHTEN Trial. Journal of the American Geriatrics Society, 2020, 68, 559-568.	2.6	17
44	Postoperative changes in cognition and cerebrospinal fluid neurodegenerative disease biomarkers. Annals of Clinical and Translational Neurology, 2022, 9, 155-170.	3.7	17
45	Strategies for dissecting genetic-environmental interactions in neurodegenerative disorders. NeuroToxicology, 2006, 27, 637-657.	3.0	15
46	Intraoperative Glycemic Control to Prevent Delirium after Cardiac Surgery. Anesthesiology, 2015, 122, 1186-1188.	2.5	13
47	Perioperative neurocognitive and functional neuroimaging trajectories in older APOE4 carriers compared with non-carriers: secondary analysis of a prospective cohort study. British Journal of Anaesthesia, 2021, 127, 917-928.	3.4	12
48	Event-Related Functional Magnetic Resonance Imaging Changes during Relational Retrieval in Normal Aging and Amnesic Mild Cognitive Impairment. Journal of the International Neuropsychological Society, 2012, 18, 886-897.	1.8	11
49	The MARBLE Study Protocol: Modulating ApoE Signaling to Reduce Brain Inflammation, DeLirium, and Postoperative Cognitive Dysfunction. Journal of Alzheimer's Disease, 2020, 75, 1319-1328.	2.6	11
50	APOE4 Copy Number-Dependent Proteomic Changes in the Cerebrospinal Fluid1. Journal of Alzheimer's Disease, 2021, 79, 511-530.	2.6	11
51	Neuroimaging Correlates of Dementia Rating Scale Performance at Baseline and 12-Month Follow-up among Patients with Vascular Dementia. Journal of Geriatric Psychiatry and Neurology, 2003, 16, 240-244.	2.3	10
52	Neurological Injury After Transcatheter Aortic Valve Implantation. Circulation: Cardiovascular Interventions, 2013, 6, 599-601.	3.9	9
53	Longitudinal Changes in Regional Cerebral Perfusion and Cognition After Cardiac Operation. Annals of Thoracic Surgery, 2019, 107, 112-118.	1.3	9
54	Cerebrospinal Fluid Proteome Changes in Older Non-Cardiac Surgical Patients with Postoperative Cognitive Dysfunction. Journal of Alzheimer's Disease, 2021, 80, 1281-1297.	2.6	9

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55	Metabolic and Neurocognitive Changes Following Lifestyle Modification: Examination of Biomarkers from the ENLIGHTEN Randomized Clinical Trial. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1793-1803.	2.6	8
56	Relationship Between Depression/Anxiety and Cognitive Function Before and 6 Weeks After Major Non-Cardiac Surgery in Older Adults. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2022, 35, 145-154.	2.3	8
57	Changes in Brain Resting-state Functional Connectivity Associated with Peripheral Nerve Block. <i>Anesthesiology</i> , 2016, 125, 368-377.	2.5	6
58	Prefrontal contributions to relational encoding in amnesic mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2016, 11, 158-166.	2.7	5
59	Neuropsychological and emotional changes during simulated microgravity: effects of triiodothyronine, alendronate, and testosterone. <i>Archives of Clinical Neuropsychology</i> , 2004, 19, 153-163.	0.5	4
60	The Devil Is in the Details. <i>Anesthesiology</i> , 2019, 131, 456-458.	2.5	4
61	The impact of perioperative stroke and delirium on outcomes after surgical aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2024, 167, 624-633.e4.	0.8	4
62	Neural activation for actual and imagined movement following unilateral hand transplantation: a case study. <i>Neurocase</i> , 2019, 25, 225-234.	0.6	3
63	Sensitivity of the Dementia Rating Scale in Vascular Dementia: Comparison between Two Sets of Criteria to Define Cognitive Impairment. <i>Cerebrovascular Diseases</i> , 2003, 15, 116-120.	1.7	2
64	Cognitive consequences of COVID-19 in older adults with cognitive impairment. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, S75-S76.	1.2	2
65	Fine Tuning the Graphesthesia Assessment: One Stroke Versus Two. <i>Applied Neuropsychology</i> , 1997, 4, 127-129.	1.5	1
66	Coming Together to Fight Delirium: How to Deliver Team-Based, Interdisciplinary Care to Prevent, Detect, and Manage Delirium and Its Long-Term Sequelae. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, S25-S26.	1.2	1
67	Cognition and brain changes associated with high-dose atorvastatin: A BOLD proposition?. <i>American Heart Journal</i> , 2018, 197, 163-165.	2.7	1
68	The Neuropsychology of Pulmonary Disease and Lung Transplantation Complications. , 2020, , 253-281.		1
69	Frailty, Delirium, and Postoperative Cognitive Decline: What Are the Long-Term Effects of Acute Late-Life Medical and Surgical Events?. <i>American Journal of Geriatric Psychiatry</i> , 2015, 23, S5-S6.	1.2	0
70	Delirium and Post-Operative Cognitive Decline: Who is at Risk for the Long-Term Neurocognitive and Neuropsychiatric Effects?. <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, S27.	1.2	0
71	F3â€1â€1: POSTOPERATIVE CHANGES IN CSF BIOMARKERS AND RESTINGâ€STATE FUNCTIONAL NEUROIMAGING SIGNAL CHARACTERISTICS. <i>Alzheimer's and Dementia</i> , 2018, 14, P995.	0.8	0
72	DECONSTRUCTING DELIRIUM: RETHINKING THE ROLE OF BIOMARKERS AND DIAGNOSTIC ANOMALIES. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, S38-S39.	1.2	0

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73	F5â€01â€02: CSF AD BIOMARKER CHANGES AND COGNITIVE CHANGE AFTER SURGERY IN OLDER ADULTS. Alzheimer's and Dementia, 2019, 15, .	0.8	0
74	Cardiac Surgery and Cognition: Etiologies and Assessment Considerations. , 2020, , 213-236.		0