

# Carrie R Mcdonald

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2740356/carrie-r-mcdonald-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

91  
papers

2,819  
citations

28  
h-index

51  
g-index

97  
ext. papers

3,798  
ext. citations

4.8  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
91	Neuropsychological criteria for mild cognitive impairment improves diagnostic precision, biomarker associations, and progression rates. <i>Journal of Alzheimers Disease</i> , <b>2014</b> , 42, 275-89	4.3	324
90	Mechanisms of radiotherapy-associated cognitive disability in patients with brain tumours. <i>Nature Reviews Neurology</i> , <b>2017</b> , 13, 52-64	15	195
89	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 100	8.6	154
88	Susceptibility of the conventional criteria for mild cognitive impairment to false-positive diagnostic errors. <i>Alzheimers and Dementia</i> , <b>2015</b> , 11, 415-24	1.2	147
87	Regional neocortical thinning in mesial temporal lobe epilepsy. <i>Epilepsia</i> , <b>2008</b> , 49, 794-803	6.4	141
86	Diffusion-weighted imaging in cancer: physical foundations and applications of restriction spectrum imaging. <i>Cancer Research</i> , <b>2014</b> , 74, 4638-52	10.1	117
85	Dose-Dependent Cortical Thinning After Partial Brain Irradiation in High-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 94, 297-304	4	75
84	Dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 209-216	5.3	71
83	Subcortical and cerebellar atrophy in mesial temporal lobe epilepsy revealed by automatic segmentation. <i>Epilepsy Research</i> , <b>2008</b> , 79, 130-8	3	71
82	Multimodal imaging of repetition priming: Using fMRI, MEG, and intracranial EEG to reveal spatiotemporal profiles of word processing. <i>NeuroImage</i> , <b>2010</b> , 53, 707-17	7.9	70
81	Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 242-53	5.6	67
80	Deep learning applied to whole-brain connectome to determine seizure control after epilepsy surgery. <i>Epilepsia</i> , <b>2018</b> , 59, 1643-1654	6.4	63
79	Radiation Dose-Dependent Hippocampal Atrophy Detected With Longitudinal Volumetric Magnetic Resonance Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 97, 263-269	4	62
78	Response inhibition and set shifting in patients with frontal lobe epilepsy or temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , <b>2005</b> , 7, 438-46	3.2	60
77	Regional susceptibility to dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 123, 209-217	5.3	58
76	Imaging correlates for the 2016 update on WHO classification of grade II/III gliomas: implications for IDH, 1p/19q and ATRX status. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 135, 601-609	4.8	54
75	Heterogeneous cortical atrophy patterns in MCI not captured by conventional diagnostic criteria. <i>Neurology</i> , <b>2016</b> , 87, 2108-2116	6.5	50

74	Early versus late MCI: Improved MCI staging using a neuropsychological approach. <i>Alzheimer's and Dementia</i> , <b>2019</b> , 15, 699-708	1.2	49
73	Cerebral Cortex Regions Selectively Vulnerable to Radiation Dose-Dependent Atrophy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 97, 910-918	4	45
72	Distributed source modeling of language with magnetoencephalography: application to patients with intractable epilepsy. <i>Epilepsia</i> , <b>2009</b> , 50, 2256-66	6.4	43
71	White matter microstructure complements morphometry for predicting verbal memory in epilepsy. <i>Cortex</i> , <b>2014</b> , 58, 139-50	3.8	41
70	Is impairment in set-shifting specific to frontal-lobe dysfunction? Evidence from patients with frontal-lobe or temporal-lobe epilepsy. <i>Journal of the International Neuropsychological Society</i> , <b>2005</b> , 11, 477-481	3.1	39
69	Distortion inherent to magnetic resonance imaging can lead to geometric miss in radiosurgery planning. <i>Practical Radiation Oncology</i> , <b>2016</b> , 6, e319-e328	2.8	39
68	Frontolimbic brain networks predict depressive symptoms in temporal lobe epilepsy. <i>Epilepsy Research</i> , <b>2014</b> , 108, 1554-63	3	36
67	Cognitive phenotypes in temporal lobe epilepsy are associated with distinct patterns of white matter network abnormalities. <i>Neurology</i> , <b>2019</b> , 92, e1957-e1968	6.5	35
66	Neuropsychological change following gamma knife surgery in patients with left temporal lobe epilepsy: a review of three cases. <i>Epilepsy and Behavior</i> , <b>2004</b> , 5, 949-57	3.2	33
65	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , <b>2020</b> , 143, 2454-2473	11.2	32
64	Discriminating patients with frontal-lobe epilepsy and temporal-lobe epilepsy: utility of a multilevel design fluency test. <i>Neuropsychology</i> , <b>2005</b> , 19, 806-13	3.8	31
63	What does diffusion tensor imaging (DTI) tell us about cognitive networks in temporal lobe epilepsy?. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2015</b> , 5, 247-63	3.6	25
62	Identifying early diffusion imaging biomarkers of regional white matter injury as indicators of executive function decline following brain radiotherapy: A prospective clinical trial in primary brain tumor patients. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 132, 27-33	5.3	25
61	Molecular classification of patients with grade II/III glioma using quantitative MRI characteristics. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 139, 633-642	4.8	23
60	Future directions in the neuropsychology of epilepsy. <i>Epilepsy and Behavior</i> , <b>2011</b> , 22, 69-76	3.2	23
59	Temporal Lobe Epilepsy Surgical Outcomes Can Be Inferred Based on Structural Connectome Hubs: A Machine Learning Study. <i>Annals of Neurology</i> , <b>2020</b> , 88, 970-983	9.4	23
58	Impaired spatial pattern separation performance in temporal lobe epilepsy is associated with visuospatial memory deficits and hippocampal volume loss. <i>Neuropsychologia</i> , <b>2018</b> , 111, 209-215	3.2	22
57	Restriction spectrum imaging: An evolving imaging biomarker in prostate MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 45, 323-336	5.6	22

56	Cognitive phenotypes in temporal lobe epilepsy utilizing data- and clinically driven approaches: Moving toward a new taxonomy. <i>Epilepsia</i> , <b>2020</b> , 61, 1211-1220	6.4	21
55	Radiation sparing of cerebral cortex in brain tumor patients using quantitative neuroimaging. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 29-34	5.3	19
54	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , <b>2020</b> ,	5.9	18
53	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	18
52	Restriction spectrum imaging predicts response to bevacizumab in patients with high-grade glioma. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 1579-1590	1	18
51	Patient-reported health-related quality of life outcomes in supportive-care interventions for adults with brain tumors: A systematic review. <i>Psycho-Oncology</i> , <b>2019</b> , 28, 11-21	3.9	18
50	Identifying the neural basis of a language-impaired phenotype of temporal lobe epilepsy. <i>Epilepsia</i> , <b>2019</b> , 60, 1627-1638	6.4	16
49	The white matter connectome as an individualized biomarker of language impairment in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102125	5.3	16
48	Altered Network Topology in Patients with Primary Brain Tumors After Fractionated Radiotherapy. <i>Brain Connectivity</i> , <b>2017</b> , 7, 299-308	2.7	15
47	Dose-dependent atrophy of the amygdala after radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 136, 44-49	5.3	15
46	Network, clinical and sociodemographic features of cognitive phenotypes in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , <b>2020</b> , 27, 102341	5.3	15
45	Decreased neurite density within frontostriatal networks is associated with executive dysfunction in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , <b>2018</b> , 78, 187-193	3.2	15
44	Multimodal imaging of language reorganization in patients with left temporal lobe epilepsy. <i>Brain and Language</i> , <b>2017</b> , 170, 82-92	2.9	14
43	Amygdala enlargement: Temporal lobe epilepsy subtype or nonspecific finding?. <i>Epilepsy Research</i> , <b>2017</b> , 132, 34-40	3	14
42	Patterns of longitudinal cortical atrophy over 3 years in empirically derived MCI subtypes. <i>Neurology</i> , <b>2020</b> , 94, e2532-e2544	6.5	14
41	Edge Contrast of the FLAIR Hyperintense Region Predicts Survival in Patients with High-Grade Gliomas following Treatment with Bevacizumab. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 1017-1024	4.4	11
40	The use of neuroimaging to study behavior in patients with epilepsy. <i>Epilepsy and Behavior</i> , <b>2008</b> , 12, 600-11	3.2	11
39	Multi-component diffusion characterization of radiation-induced white matter damage. <i>Medical Physics</i> , <b>2017</b> , 44, 1747-1754	4.4	9

38	Abnormalities in hippocampal volume of glioma patients prior to radiotherapy. <i>Acta Oncologica</i> , <b>2017</b> , 56, 427-430	3.2	9
37	Differential sensitivity of structural, diffusion, and resting-state functional MRI for detecting brain alterations and verbal memory impairment in temporal lobe epilepsy. <i>Epilepsia</i> , <b>2019</b> , 60, 935-947	6.4	9
36	Structural brain imaging studies offer clues about the effects of the shared genetic etiology among neuropsychiatric disorders. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 2101-2110	15.1	9
35	Restriction Spectrum Imaging Differentiates True Tumor Progression From Immune-Mediated Pseudoprogession: Case Report of a Patient With Glioblastoma. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 24	5.3	8
34	Does bilingualism increase brain or cognitive reserve in patients with temporal lobe epilepsy?. <i>Epilepsia</i> , <b>2018</b> , 59, 1037-1047	6.4	8
33	Microstructural Injury to Left-Sided Perisylvian White Matter Predicts Language Decline After Brain Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2020</b> , 108, 1218-1228	4	8
32	Longitudinal Analysis of Depression and Anxiety Symptoms as Independent Predictors of Neurocognitive Function in Primary Brain Tumor Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2020</b> , 108, 1229-1239	4	8
31	Microstructural Injury to Corpus Callosum and Intrahemispheric White Matter Tracts Correlate With Attention and Processing Speed Decline After Brain Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 337-347	4	8
30	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , <b>2021</b> , 31, 102765	5.3	8
29	Predicting mood decline following temporal lobe epilepsy surgery in adults. <i>Epilepsia</i> , <b>2021</b> , 62, 450-459	6.4	8
28	Addressing neuropsychological diagnostics in adults with epilepsy: Introducing the International Classification of Cognitive Disorders in Epilepsy: The IC CODE Initiative. <i>Epilepsia Open</i> , <b>2021</b> , 6, 266-275	4	8
27	Neurobehavioural comorbidities of epilepsy: towards a network-based precision taxonomy. <i>Nature Reviews Neurology</i> , <b>2021</b> , 17, 731-746	15	8
26	Restriction Spectrum Imaging Improves Risk Stratification in Patients with Glioblastoma. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 882-889	4.4	7
25	Differentiation of progressive disease from pseudoprogession using 3D PCASL and DSC perfusion MRI in patients with glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 147, 681-690	4.8	7
24	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. <i>Nature Methods</i> , <b>2021</b> , 18, 698-700	21.6	7
23	Mapping lexical-semantic networks and determining hemispheric language dominance: Do task design, sex, age, and language performance make a difference?. <i>Brain and Language</i> , <b>2018</b> , 179, 42-50	2.9	6
22	Clinical utility of structural connectomics in predicting memory in temporal lobe epilepsy. <i>Neurology</i> , <b>2020</b> , 94, e2424-e2435	6.5	6
21	Beyond depression: The impact of executive functioning on quality of life in patients with temporal lobe epilepsy. <i>Epilepsy Research</i> , <b>2019</b> , 149, 30-36	3	6

20	Verbal episodic memory profiles in HIV-Associated Neurocognitive Disorders (HAND): A comparison with Huntington's disease and mesial temporal lobe epilepsy. <i>Applied Neuropsychology Adult</i> , <b>2019</b> , 26, 17-27	1.9	5
19	Diagnosing cognitive disorders in older adults with epilepsy. <i>Epilepsia</i> , <b>2021</b> , 62, 460-471	6.4	5
18	Atrophy and cognitive profiles in older adults with temporal lobe epilepsy are similar to mild cognitive impairment. <i>Brain</i> , <b>2021</b> , 144, 236-250	11.2	5
17	Central Nervous System Manifestations of COVID-19: A Critical Review and Proposed Research Agenda. <i>Journal of the International Neuropsychological Society</i> , <b>2021</b> , 1-15	3.1	3
16	Nomograms to Predict Verbal Memory Decline After Temporal Lobe Resection in Adults With Epilepsy. <i>Neurology</i> , <b>2021</b> ,	6.5	3
15	Impaired Behavioral Pattern Separation in Refractory Temporal Lobe Epilepsy and Mild Cognitive Impairment. <i>Journal of the International Neuropsychological Society</i> , <b>2021</b> , 1-13	3.1	3
14	The impact of cerebrovascular risk factors on postoperative memory decline in patients with left temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , <b>2020</b> , 102, 106558	3.2	2
13	Multi-domain neurocognitive classification of primary brain tumor patients prior to radiotherapy on a prospective clinical trial. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 146, 131-138	4.8	2
12	Association Between Microstructural Asymmetry of Temporal Lobe White Matter and Memory Decline After Anterior Temporal Lobectomy.. <i>Neurology</i> , <b>2022</b> ,	6.5	1
11	Artificial Intelligence Applications in the Imaging of Epilepsy and Its Comorbidities: Present and Future.. <i>Epilepsy Currents</i> , <b>2022</b> , 22, 91-96	1.3	1
10	Response: Predicting mood decline following temporal lobe epilepsy surgery in adults. <i>Epilepsia</i> , <b>2021</b> , 62, 1283-1284	6.4	1
9	Flattening the Curve: Slowing Age-Accelerated Brain Atrophy With Epilepsy Surgery. <i>Epilepsy Currents</i> , <b>2021</b> , 21, 159-161	1.3	1
8	Quality of Life Is Independently Associated With Neurocognitive Function in Patients With Brain Tumors: Analysis of a Prospective Clinical Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 111, 754-763	4	1
7	Topological alterations in older adults with temporal lobe epilepsy are distinct from amnesic mild cognitive impairment. <i>Epilepsia</i> , <b>2020</b> , 61, e165-e172	6.4	0
6	The importance of basal-temporal white matter to pre- and post-surgical naming ability in temporal lobe epilepsy.. <i>NeuroImage: Clinical</i> , <b>2022</b> , 34, 102963	5.3	0
5	Cortical disconnection in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , <b>2021</b> , 123, 108231	3.2	0
4	Neurobehavioral and Clinical Comorbidities in Epilepsy: The Role of White Matter Network Disruption.. <i>Neuroscientist</i> , <b>2022</b> , 10738584221076133	7.6	0
3	Radiological identification of temporal lobe epilepsy using artificial intelligence: a feasibility study.. <i>Brain Communications</i> , <b>2022</b> , 4, fcab284	4.5	0

- 2 Removing Basal Temporal Language Cortex in Epilepsy Surgery: Short-Term Disruption or Long-Lasting Problem?. *Epilepsy Currents*, **2021**, 21, 329-331 1.3
- 1 Can bilingualism increase neuroplasticity of language networks in epilepsy?. *Epilepsy Research*, **2022**, 182, 106893 3