

Carrie R Mcdonald

List of Publications by Year in Descending Order

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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	Association Between Microstructural Asymmetry of Temporal Lobe White Matter and Memory Decline After Anterior Temporal Lobectomy.. <i>Neurology</i> , 2022 ,	6.5	1
90	Artificial Intelligence Applications in the Imaging of Epilepsy and Its Comorbidities: Present and Future.. <i>Epilepsy Currents</i> , 2022 , 22, 91-96	1.3	1
89	The importance of basal-temporal white matter to pre- and post-surgical naming ability in temporal lobe epilepsy.. <i>NeuroImage: Clinical</i> , 2022 , 34, 102963	5.3	0
88	Neurobehavioral and Clinical Comorbidities in Epilepsy: The Role of White Matter Network Disruption.. <i>Neuroscientist</i> , 2022 , 10738584221076133	7.6	0
87	Can bilingualism increase neuroplasticity of language networks in epilepsy?. <i>Epilepsy Research</i> , 2022 , 182, 106893	3	
86	Radiological identification of temporal lobe epilepsy using artificial intelligence: a feasibility study.. <i>Brain Communications</i> , 2022 , 4, fcab284	4.5	0
85	Response: Predicting mood decline following temporal lobe epilepsy surgery in adults. <i>Epilepsia</i> , 2021 , 62, 1283-1284	6.4	1
84	Flattening the Curve: Slowing Age-Accelerated Brain Atrophy With Epilepsy Surgery. <i>Epilepsy Currents</i> , 2021 , 21, 159-161	1.3	1
83	Central Nervous System Manifestations of COVID-19: A Critical Review and Proposed Research Agenda. <i>Journal of the International Neuropsychological Society</i> , 2021 , 1-15	3.1	3
82	Nomograms to Predict Verbal Memory Decline After Temporal Lobe Resection in Adults With Epilepsy. <i>Neurology</i> , 2021 ,	6.5	3
81	Impaired Behavioral Pattern Separation in Refractory Temporal Lobe Epilepsy and Mild Cognitive Impairment. <i>Journal of the International Neuropsychological Society</i> , 2021 , 1-13	3.1	3
80	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> , 2021 , 110, 337-347	4	8
79	Removing Basal Temporal Language Cortex in Epilepsy Surgery: Short-Term Disruption or Long-Lasting Problem?. <i>Epilepsy Currents</i> , 2021 , 21, 329-331	1.3	
78	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. <i>Nature Methods</i> , 2021 , 18, 698-700	21.6	7
77	Diagnosing cognitive disorders in older adults with epilepsy. <i>Epilepsia</i> , 2021 , 62, 460-471	6.4	5
76	Atrophy and cognitive profiles in older adults with temporal lobe epilepsy are similar to mild cognitive impairment. <i>Brain</i> , 2021 , 144, 236-250	11.2	5
75	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021 , 31, 102765	5.3	8

74	Predicting mood decline following temporal lobe epilepsy surgery in adults. <i>Epilepsia</i> , 2021 , 62, 450-459	6.4	8
73	Addressing neuropsychological diagnostics in adults with epilepsy: Introducing the International Classification of Cognitive Disorders in Epilepsy: The IC CODE Initiative. <i>Epilepsia Open</i> , 2021 , 6, 266-275	4	8
72	Neurobehavioural comorbidities of epilepsy: towards a network-based precision taxonomy. <i>Nature Reviews Neurology</i> , 2021 , 17, 731-746	15	8
71	Cortical disconnection in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2021 , 123, 108231	3.2	0
70	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> , 2021 , 111, 754-763	4	1
69	Structural brain imaging studies offer clues about the effects of the shared genetic etiology among neuropsychiatric disorders. <i>Molecular Psychiatry</i> , 2021 , 26, 2101-2110	15.1	9
68	Topological alterations in older adults with temporal lobe epilepsy are distinct from amnesic mild cognitive impairment. <i>Epilepsia</i> , 2020 , 61, e165-e172	6.4	0
67	Cognitive phenotypes in temporal lobe epilepsy utilizing data- and clinically driven approaches: Moving toward a new taxonomy. <i>Epilepsia</i> , 2020 , 61, 1211-1220	6.4	21
66	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , 2020 ,	5.9	18
65	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> , 2020 , 10, 100	8.6	154
64	Restriction Spectrum Imaging Differentiates True Tumor Progression From Immune-Mediated Pseudoprogression: Case Report of a Patient With Glioblastoma. <i>Frontiers in Oncology</i> , 2020 , 10, 24	5.3	8
63	Differentiation of progressive disease from pseudoprogression using 3D PCASL and DSC perfusion MRI in patients with glioblastoma. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 681-690	4.8	7
62	Clinical utility of structural connectomics in predicting memory in temporal lobe epilepsy. <i>Neurology</i> , 2020 , 94, e2424-e2435	6.5	6
61	Patterns of longitudinal cortical atrophy over 3 years in empirically derived MCI subtypes. <i>Neurology</i> , 2020 , 94, e2532-e2544	6.5	14
60	The impact of cerebrovascular risk factors on postoperative memory decline in patients with left temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2020 , 102, 106558	3.2	2
59	The white matter connectome as an individualized biomarker of language impairment in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2020 , 25, 102125	5.3	16
58	Multi-domain neurocognitive classification of primary brain tumor patients prior to radiotherapy on a prospective clinical trial. <i>Journal of Neuro-Oncology</i> , 2020 , 146, 131-138	4.8	2
57	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020 , 6,	14.3	18

56	Network, clinical and sociodemographic features of cognitive phenotypes in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2020 , 27, 102341	5.3	15
55	Microstructural Injury to Left-Sided Perisylvian White Matter Predicts Language Decline After Brain Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 1218-1228	4	8
54	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> , 2020 , 108, 1229-1239	4	8
53	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020 , 143, 2454-2473	11.2	32
52	Temporal Lobe Epilepsy Surgical Outcomes Can Be Inferred Based on Structural Connectome Hubs: A Machine Learning Study. <i>Annals of Neurology</i> , 2020 , 88, 970-983	9.4	23
51	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> , 2019 , 60, 935-947	6.4	9
50	Dose-dependent atrophy of the amygdala after radiotherapy. <i>Radiotherapy and Oncology</i> , 2019 , 136, 44-49	5.3	15
49	Cognitive phenotypes in temporal lobe epilepsy are associated with distinct patterns of white matter network abnormalities. <i>Neurology</i> , 2019 , 92, e1957-e1968	6.5	35
48	Early versus late MCI: Improved MCI staging using a neuropsychological approach. <i>Alzheimers and Dementia</i> , 2019 , 15, 699-708	1.2	49
47	Identifying the neural basis of a language-impaired phenotype of temporal lobe epilepsy. <i>Epilepsia</i> , 2019 , 60, 1627-1638	6.4	16
46	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> , 2019 , 132, 27-33	5.3	25
45	Beyond depression: The impact of executive functioning on quality of life in patients with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2019 , 149, 30-36	3	6
44	Patient-reported health-related quality of life outcomes in supportive-care interventions for adults with brain tumors: A systematic review. <i>Psycho-Oncology</i> , 2019 , 28, 11-21	3.9	18
43	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> , 2019 , 26, 17-27	1.9	5
42	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> , 2018 , 179, 42-50	2.9	6
41	Does bilingualism increase brain or cognitive reserve in patients with temporal lobe epilepsy?. <i>Epilepsia</i> , 2018 , 59, 1037-1047	6.4	8
40	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> , 2018 , 39, 1017-1024	4.4	11
39	Impaired spatial pattern separation performance in temporal lobe epilepsy is associated with visuospatial memory deficits and hippocampal volume loss. <i>Neuropsychologia</i> , 2018 , 111, 209-215	3.2	22

38	Deep learning applied to whole-brain connectome to determine seizure control after epilepsy surgery. <i>Epilepsia</i> , 2018 , 59, 1643-1654	6.4	63
37	Molecular classification of patients with grade II/III glioma using quantitative MRI characteristics. <i>Journal of Neuro-Oncology</i> , 2018 , 139, 633-642	4.8	23
36	Decreased neurite density within frontostriatal networks is associated with executive dysfunction in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2018 , 78, 187-193	3.2	15
35	Cerebral Cortex Regions Selectively Vulnerable to Radiation Dose-Dependent Atrophy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 97, 910-918	4	45
34	Multi-component diffusion characterization of radiation-induced white matter damage. <i>Medical Physics</i> , 2017 , 44, 1747-1754	4.4	9
33	Restriction Spectrum Imaging Improves Risk Stratification in Patients with Glioblastoma. <i>American Journal of Neuroradiology</i> , 2017 , 38, 882-889	4.4	7
32	Abnormalities in hippocampal volume of glioma patients prior to radiotherapy. <i>Acta Oncologica</i> , 2017 , 56, 427-430	3.2	9
31	Multimodal imaging of language reorganization in patients with left temporal lobe epilepsy. <i>Brain and Language</i> , 2017 , 170, 82-92	2.9	14
30	Altered Network Topology in Patients with Primary Brain Tumors After Fractionated Radiotherapy. <i>Brain Connectivity</i> , 2017 , 7, 299-308	2.7	15
29	Amygdala enlargement: Temporal lobe epilepsy subtype or nonspecific finding?. <i>Epilepsy Research</i> , 2017 , 132, 34-40	3	14
28	Mechanisms of radiotherapy-associated cognitive disability in patients with brain tumours. <i>Nature Reviews Neurology</i> , 2017 , 13, 52-64	15	195
27	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> , 2017 , 135, 601-609	4.8	54
26	Regional susceptibility to dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , 2017 , 123, 209-217	5.3	58
25	Radiation Dose-Dependent Hippocampal Atrophy Detected With Longitudinal Volumetric Magnetic Resonance Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 97, 263-269	4	62
24	Restriction spectrum imaging: An evolving imaging biomarker in prostate MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 323-336	5.6	22
23	Dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , 2016 , 121, 209-216	5.3	71
22	Heterogeneous cortical atrophy patterns in MCI not captured by conventional diagnostic criteria. <i>Neurology</i> , 2016 , 87, 2108-2116	6.5	50
21	Radiation sparing of cerebral cortex in brain tumor patients using quantitative neuroimaging. <i>Radiotherapy and Oncology</i> , 2016 , 118, 29-34	5.3	19

20	Dose-Dependent Cortical Thinning After Partial Brain Irradiation in High-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 94, 297-304	4	75
19	Restriction spectrum imaging predicts response to bevacizumab in patients with high-grade glioma. <i>Neuro-Oncology</i> , 2016 , 18, 1579-1590	1	18
18	Distortion inherent to magnetic resonance imaging can lead to geometric miss in radiosurgery planning. <i>Practical Radiation Oncology</i> , 2016 , 6, e319-e328	2.8	39
17	Susceptibility of the conventional criteria for mild cognitive impairment to false-positive diagnostic errors. <i>Alzheimers and Dementia</i> , 2015 , 11, 415-24	1.2	147
16	What does diffusion tensor imaging (DTI) tell us about cognitive networks in temporal lobe epilepsy?. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015 , 5, 247-63	3.6	25
15	Frontolimbic brain networks predict depressive symptoms in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2014 , 108, 1554-63	3	36
14	Diffusion-weighted imaging in cancer: physical foundations and applications of restriction spectrum imaging. <i>Cancer Research</i> , 2014 , 74, 4638-52	10.1	117
13	White matter microstructure complements morphometry for predicting verbal memory in epilepsy. <i>Cortex</i> , 2014 , 58, 139-50	3.8	41
12	Neuropsychological criteria for mild cognitive impairment improves diagnostic precision, biomarker associations, and progression rates. <i>Journal of Alzheimers Disease</i> , 2014 , 42, 275-89	4.3	324
11	Relationship between regional atrophy rates and cognitive decline in mild cognitive impairment. <i>Neurobiology of Aging</i> , 2012 , 33, 242-53	5.6	67
10	Future directions in the neuropsychology of epilepsy. <i>Epilepsy and Behavior</i> , 2011 , 22, 69-76	3.2	23
9	Multimodal imaging of repetition priming: Using fMRI, MEG, and intracranial EEG to reveal spatiotemporal profiles of word processing. <i>NeuroImage</i> , 2010 , 53, 707-17	7.9	70
8	Distributed source modeling of language with magnetoencephalography: application to patients with intractable epilepsy. <i>Epilepsia</i> , 2009 , 50, 2256-66	6.4	43
7	Regional neocortical thinning in mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2008 , 49, 794-803	6.4	141
6	The use of neuroimaging to study behavior in patients with epilepsy. <i>Epilepsy and Behavior</i> , 2008 , 12, 600-11	3.2	11
5	Subcortical and cerebellar atrophy in mesial temporal lobe epilepsy revealed by automatic segmentation. <i>Epilepsy Research</i> , 2008 , 79, 130-8	3	71
4	Response inhibition and set shifting in patients with frontal lobe epilepsy or temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2005 , 7, 438-46	3.2	60
3	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> , 2005 , 11, 477-481	3.1	39

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| 2 | Discriminating patients with frontal-lobe epilepsy and temporal-lobe epilepsy: utility of a multilevel design fluency test. <i>Neuropsychology</i> , 2005 , 19, 806-13 | 3.8 | 31 |
| 1 | Neuropsychological change following gamma knife surgery in patients with left temporal lobe epilepsy: a review of three cases. <i>Epilepsy and Behavior</i> , 2004 , 5, 949-57 | 3.2 | 33 |