

Roland G Henry

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

5,243
citations

94433

37
h-index

91884

69
g-index

96
all docs

96
docs citations

96
times ranked

6990
citing authors

#	ARTICLE	IF	CITATIONS
1	Clemastine fumarate as a remyelinating therapy for multiple sclerosis (ReBUILD): a randomised, controlled, double-blind, crossover trial. <i>Lancet</i> , The, 2017, 390, 2481-2489.	13.7	377
2	Long-term evolution of multiple sclerosis disability in the treatment era. <i>Annals of Neurology</i> , 2016, 80, 499-510.	5.3	331
3	The central vein sign and its clinical evaluation for the diagnosis of multiple sclerosis: a consensus statement from the North American Imaging in Multiple Sclerosis Cooperative. <i>Nature Reviews Neurology</i> , 2016, 12, 714-722.	10.1	274
4	Silent progression in disease activity-free relapsing multiple sclerosis. <i>Annals of Neurology</i> , 2019, 85, 653-666.	5.3	265
5	Accuracy of diffusion tensor magnetic resonance imaging tractography assessed using intraoperative subcortical stimulation mapping and magnetic source imaging. <i>Journal of Neurosurgery</i> , 2007, 107, 488-494.	1.6	203
6	Spinal cord gray matter atrophy correlates with multiple sclerosis disability. <i>Annals of Neurology</i> , 2014, 76, 568-580.	5.3	158
7	Probabilistic streamline q-ball tractography using the residual bootstrap. <i>NeuroImage</i> , 2008, 39, 215-222.	4.2	152
8	Subcortical pathways serving cortical language sites: initial experience with diffusion tensor imaging fiber tracking combined with intraoperative language mapping. <i>NeuroImage</i> , 2004, 21, 616-622.	4.2	144
9	Frontal White Matter Tracts Sustaining Speech Production in Primary Progressive Aphasia. <i>Journal of Neuroscience</i> , 2014, 34, 9754-9767.	3.6	142
10	Gut microbiota-specific IgA B cells traffic to the CNS in active multiple sclerosis. <i>Science Immunology</i> , 2020, 5, .	11.9	132
11	Association Between Serum Neurofilament Light Chain Levels and Long-term Disease Course Among Patients With Multiple Sclerosis Followed up for 12 Years. <i>JAMA Neurology</i> , 2019, 76, 1359.	9.0	129
12	Quantifying diffusion MRI tractography of the corticospinal tract in brain tumors with deterministic and probabilistic methods. <i>NeuroImage: Clinical</i> , 2013, 3, 361-368.	2.7	118
13	Connecting white matter injury and thalamic atrophy in clinically isolated syndromes. <i>Journal of the Neurological Sciences</i> , 2009, 282, 61-66.	0.6	115
14	Identifying preoperative language tracts and predicting postoperative functional recovery using HARDI q-ball fiber tractography in patients with gliomas. <i>Journal of Neurosurgery</i> , 2016, 125, 33-45.	1.6	109
15	Healthy brain connectivity predicts atrophy progression in non-fluent variant of primary progressive aphasia. <i>Brain</i> , 2016, 139, 2778-2791.	7.6	108
16	Menstrual cycle variation of apparent diffusion coefficients measured in the normal breast using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 433-438.	3.4	104
17	DTI-based three-dimensional tractography detects differences in the pyramidal tracts of infants and children with congenital hemiparesis. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 641-648.	3.4	97
18	Spinal cord grey matter segmentation challenge. <i>NeuroImage</i> , 2017, 152, 312-329.	4.2	97

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19	Volumetric Analysis from a Harmonized Multisite Brain MRI Study of a Single Subject with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2017, 38, 1501-1509.	2.4	95
20	Q-Ball of Inferior Fronto-Occipital Fasciculus and Beyond. <i>PLoS ONE</i> , 2014, 9, e100274.	2.5	84
21	Clonal relationships of CSF B cells in treatment-naive multiple sclerosis patients. <i>JCI Insight</i> , 2017, 2, .	5.0	84
22	Clemastine rescues myelination defects and promotes functional recovery in hypoxic brain injury. <i>Brain</i> , 2018, 141, 85-98.	7.6	83
23	High spatial resolution 1H-MRSI and segmented MRI of cortical gray matter and subcortical white matter in three regions of the human brain. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 21-29.	3.0	82
24	Diffusion Tensor Imaging with Three-dimensional Fiber Tractography of Traumatic Axonal Shearing Injury: An Imaging Correlate for the Posterior Callosal "Disconnection" Syndrome: Case Report. <i>Neurosurgery</i> , 2005, 56, E195-E201.	1.1	78
25	Association Between Thoracic Spinal Cord Gray Matter Atrophy and Disability in Multiple Sclerosis. <i>JAMA Neurology</i> , 2015, 72, 897.	9.0	78
26	Quantifying accuracy and precision of diffusion MR tractography of the corticospinal tract in brain tumors. <i>Journal of Neurosurgery</i> , 2014, 121, 349-358.	1.6	77
27	Directional diffusion in relapsing-remitting multiple sclerosis: A possible in vivo signature of Wallerian degeneration. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 420-426.	3.4	75
28	Association of HLA Genetic Risk Burden With Disease Phenotypes in Multiple Sclerosis. <i>JAMA Neurology</i> , 2016, 73, 795.	9.0	64
29	Ultrashort echo time and zero echo time MRI at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 359-370.	2.0	59
30	Age, Gender and Normalization Covariates for Spinal Cord Gray Matter and Total Cross-Sectional Areas at Cervical and Thoracic Levels: A 2D Phase Sensitive Inversion Recovery Imaging Study. <i>PLoS ONE</i> , 2015, 10, e0118576.	2.5	54
31	Precision medicine in chronic disease management: The multiple sclerosis <sc>B</sc> <sc>io</sc> <sc>S</sc> <sc>creen</sc>. <i>Annals of Neurology</i> , 2014, 76, 633-642.	5.3	53
32	Neurite Orientation Dispersion and Density Imaging Color Maps to Characterize Brain Diffusion in Neurologic Disorders. <i>Journal of Neuroimaging</i> , 2016, 26, 494-498.	2.0	53
33	Imaging outcome measures of neuroprotection and repair in MS. <i>Neurology</i> , 2019, 92, 519-533.	1.1	53
34	Structural connectivity of the human anterior temporal lobe: A diffusion magnetic resonance imaging study. <i>Human Brain Mapping</i> , 2016, 37, 2210-2222.	3.6	47
35	Mindcontrol: A web application for brain segmentation quality control. <i>NeuroImage</i> , 2018, 170, 365-372.	4.2	47
36	Subcortical stimulation mapping of descending motor pathways for peritumoral gliomas: assessment of morbidity and functional outcome in 702 cases. <i>Journal of Neurosurgery</i> , 2019, 131, 201-208.	1.6	46

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37	Quantitative MRI of the spinal cord and brain in adrenomyeloneuropathy: <i>in vivo</i> assessment of structural changes. <i>Brain</i> , 2016, 139, 1735-1746.	7.6	44
38	White matter involvement in sporadic Creutzfeldt-Jakob disease. <i>Brain</i> , 2014, 137, 3339-3354.	7.6	42
39	Ovarian aging is associated with gray matter volume and disability in women with MS. <i>Neurology</i> , 2018, 90, e254-e260.	1.1	41
40	Telomere Length Is Associated with Disability Progression in Multiple Sclerosis. <i>Annals of Neurology</i> , 2019, 86, 671-682.	5.3	41
41	White matter measures are near normal in controlled HIV infection except in those with cognitive impairment and longer HIV duration. <i>Journal of NeuroVirology</i> , 2017, 23, 539-547.	2.1	39
42	Spinal Cord Atrophy Predicts Progressive Disease in Relapsing Multiple Sclerosis. <i>Annals of Neurology</i> , 2022, 91, 268-281.	5.3	39
43	Power estimation for non-standardized multisite studies. <i>NeuroImage</i> , 2016, 134, 281-294.	4.2	36
44	Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. <i>Stem Cell Reports</i> , 2019, 13, 254-261.	4.8	34
45	Intensity warping for multisite MRI harmonization. <i>NeuroImage</i> , 2020, 223, 117242.	4.2	34
46	Intersubject Variability and Normalization Strategies for Spinal Cord Total Cross-sectional and Gray Matter Areas. <i>Journal of Neuroimaging</i> , 2020, 30, 110-118.	2.0	31
47	Deep grey matter injury in multiple sclerosis: a NAIMS consensus statement. <i>Brain</i> , 2021, 144, 1974-1984.	7.6	31
48	2D phase-sensitive inversion recovery imaging to measure <i>in vivo</i> spinal cord gray and white matter areas in clinically feasible acquisition times. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 698-708.	3.4	29
49	<i>In vivo</i> characterization of brain ultrashort T_2 components. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 726-735.	3.0	29
50	Gradient nonlinearity effects on upper cervical spinal cord area measurement from 3D T_1 -weighted brain MRI acquisitions. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1595-1601.	3.0	27
51	Multisite reliability and repeatability of an advanced brain MRI protocol. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 878-888.	3.4	27
52	fMRI-Targeted High-Angular Resolution Diffusion MR Tractography to Identify Functional Language Tracts in Healthy Controls and Glioma Patients. <i>Frontiers in Neuroscience</i> , 2020, 14, 225.	2.8	27
53	Improved three-dimensional multi-echo gradient echo based myelin water fraction mapping with phase related artifact correction. <i>NeuroImage</i> , 2018, 169, 1-10.	4.2	26
54	An Automated Statistical Technique for Counting Distinct Multiple Sclerosis Lesions. <i>American Journal of Neuroradiology</i> , 2018, 39, 626-633.	2.4	24

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55	Imaging Mechanisms of Disease Progression in Multiple Sclerosis: Beyond Brain Atrophy. <i>Journal of Neuroimaging</i> , 2020, 30, 251-266.	2.0	24
56	Cluster Confidence Index: A Streamlined Wise Pathway Reproducibility Metric for Diffusion-Weighted MRI Tractography. <i>Journal of Neuroimaging</i> , 2018, 28, 64-69.	2.0	23
57	Central vein sign: A diagnostic biomarker in multiple sclerosis (CAVS-MS) study protocol for a prospective multicenter trial. <i>NeuroImage: Clinical</i> , 2021, 32, 102834.	2.7	23
58	A Precision Medicine Tool for Patients With Multiple Sclerosis (the Open MS BioScreen): Human-Centered Design and Development. <i>Journal of Medical Internet Research</i> , 2020, 22, e15605.	4.3	23
59	Onset of secondary progressive <scp>MS</scp> after long-term rituximab therapy – a case report. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 46-52.	3.7	22
60	Longitudinally persistent cerebrospinal fluid B-cells can resist treatment in multiple sclerosis. <i>JCI Insight</i> , 2019, 4, .	5.0	22
61	Evaluation of Intra- and Interscanner Reliability of MRI Protocols for Spinal Cord Gray Matter and Total Cross-Sectional Area Measurements. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1078-1090.	3.4	21
62	Harnessing electronic medical records to advance research on multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 408-418.	3.0	21
63	A novel in-home digital treatment to improve processing speed in people with multiple sclerosis: A pilot study. <i>Multiple Sclerosis Journal</i> , 2021, 27, 778-789.	3.0	21
64	The role of isotropic diffusion MRI in children under 2 years of age. <i>European Radiology</i> , 2001, 11, 1006-1014.	4.5	17
65	Polygenic risk score association with multiple sclerosis susceptibility and phenotype in Europeans. <i>Brain</i> , 2023, 146, 645-656.	7.6	15
66	Neurite Orientation Dispersion and Density Imaging for Assessing Acute Inflammation and Lesion Evolution in MS. <i>American Journal of Neuroradiology</i> , 2020, 41, 2219-2226.	2.4	14
67	Specific hypomethylation programs underpin B cell activation in early multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
68	The NAIMS cooperative pilot project: Design, implementation and future directions. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1770-1772.	3.0	12
69	Brain MRI Predicts Worsening Multiple Sclerosis Disability over 5 Years in the SUMMIT Study. <i>Journal of Neuroimaging</i> , 2020, 30, 212-218.	2.0	11
70	Measurement of spinal cord atrophy using phase sensitive inversion recovery (PSIR) imaging in motor neuron disease. <i>PLoS ONE</i> , 2018, 13, e0208255.	2.5	10
71	Application of an Adaptive, Digital, Game-Based Approach for Cognitive Assessment in Multiple Sclerosis: Observational Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e24356.	4.3	10
72	Multimodal MRI staging for tracking progression and clinical-imaging correlation in sporadic Creutzfeldt-Jakob disease. <i>NeuroImage: Clinical</i> , 2021, 30, 102523.	2.7	9

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73	A pilot study of oxidative pathways in MS fatigue: randomized trial of Nâ€acetyl cysteine. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 811-824.	3.7	8
74	An Open-Source Tool for Anisotropic Radiation Therapy Planning in Neuro-oncology Using DW-MRI Tractography. <i>Frontiers in Oncology</i> , 2019, 9, 810.	2.8	7
75	MRI Measurement of Upper Cervical Spinal Cord Crossâ€Sectional Area in Children. <i>Journal of Neuroimaging</i> , 2020, 30, 598-602.	2.0	7
76	Advances in Imaging Multiple Sclerosis. <i>Seminars in Neurology</i> , 2017, 37, 538-545.	1.4	6
77	Imaging correlates of visual function in multiple sclerosis. <i>PLoS ONE</i> , 2020, 15, e0235615.	2.5	5
78	Simultaneous assessment of regional distributions of atrophy across the neuraxis in MS patients. <i>NeuroImage: Clinical</i> , 2022, 34, 102985.	2.7	5
79	A hormonal therapy for menopausal women with MS: A phase Ib/IIa randomized controlled trial. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 61, 103747.	2.0	5
80	Default Mode Network quantitative diffusion and restingâ€state functional magnetic resonance imaging correlates in sporadic Creutzfeldtâ€Jakob disease. <i>Human Brain Mapping</i> , 0, , .	3.6	4
81	Mind Meld: Collaborative Approaches to Understanding How We All Think. <i>Brain Imaging and Behavior</i> , 2008, 2, 343-349.	2.1	3
82	Longitudinal Disconnection Tractograms to Investigate the Functional Consequences of White Matter Damage: An Automated Pipeline. <i>Journal of Neuroimaging</i> , 2020, 30, 443-457.	2.0	1
83	HLA Genetic Risk Burden in Multiple Sclerosisâ€Reply. <i>JAMA Neurology</i> , 2016, 73, 1501.	9.0	0
84	Reply to â€œSpinal Cord Atrophy Is a Preclinical Marker of Progressive <sc>MS</sc>â€ Annals of Neurology, 2022, 91, 735-736.	5.3	0
85	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
86	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
87	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0
88	Imaging correlates of visual function in multiple sclerosis. , 2020, 15, e0235615.		0