Tobias E Granberg

List of Publications by Year
in descending order

66	2,500	185998	214527
papers	citations	28 h-index	47 g-index

72	72	72	4616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. NeuroImage, 2019, 184, 901-915.	2.1	163
2	In vivo characterization of cortical and white matter neuroaxonal pathology in early multiple sclerosis. Brain, 2017, 140, 2912-2926.	3.7	159
3	Neuroinflammatory component of gray matter pathology in multiple sclerosis. Annals of Neurology, 2016, 80, 776-790.	2.8	150
4	Radiologically isolated syndrome â€“ incidental magnetic resonance imaging findings suggestive of multiple sclerosis, a systematic review. Multiple Sclerosis Journal, 2013, 19, 271-280.	1.4	116
5	Clinical Feasibility of Synthetic MRI in Multiple Sclerosis: A Diagnostic and Volumetric Validation Study. American Journal of Neuroradiology, 2016, 37, 1023-1029.	1.2	104
6	Cerebral Microbleeds: Different Prevalence, Topography, and Risk Factors Depending on Dementia Diagnosisâ€"The Karolinska Imaging Dementia Study. American Journal of Neuroradiology, 2015, 36, 661-666.	1.2	103
7	SWI or T2*: Which MRI Sequence to Use in the Detection of Cerebral Microbleeds? The Karolinska Imaging Dementia Study. American Journal of Neuroradiology, 2015, 36, 1089-1095.	1.2	98
8	Nervous System Involvement in Coronavirus Disease 2019: Results from a Retrospective Consecutive Neuroimaging Cohort. Radiology, 2020, 297, E324-E334.	3.6	94
9	Repeatability and reproducibility of FreeSurfer, FSL-SIENAX and SPM brain volumetric measurements and the effect of lesion filling in multiple sclerosis. European Radiology, 2019, 29, 1355-1364.	2.3	93
10	The reliability of a deep learning model in clinical out-of-distribution MRI data: A multicohort study. Medical Image Analysis, 2020, 66, 101714.	7.0	90
11	Quantitative susceptibility mapping differentiates between parkinsonian disorders. Parkinsonism and Related Disorders, 2017, 44, 51-57.	1.1	77
12	Spatial distribution of multiple sclerosis lesions in the cervical spinal cord. Brain, 2019, 142, 633-646.	3.7	75
13	COVID-19 pathophysiology may be driven by an imbalance in the renin-angiotensin-aldosterone system. Nature Communications, 2021, 12, 2417.	5.8	75
14	Corpus callosum atrophy is strongly associated with cognitive impairment in multiple sclerosis: Results of a 17-year longitudinal study. Multiple Sclerosis Journal, 2015, 21, 1151-1158.	1.4	63
15	Neurological manifestations of coronavirus infections â€“ a systematic review. Annals of Clinical and Translational Neurology, 2020, 7, 2057-2071.	1.7	59
16	Guidelines for the use of magnetic resonance imaging in diagnosing and monitoring the treatment of multiple sclerosis: recommendations of the Swedish Multiple Sclerosis Association and the Swedish Neuroradiological Society. Acta Neurologica Scandinavica, 2017, 135, 17-24.	1.0	57
17	Longitudinal Characterization of Cortical Lesion Development and Evolution in Multiple Sclerosis with 7.0-T MRI. Radiology, 2019, 291, 740-749.	3.6	56
18	Retention of Gadolinium-Based Contrast Agents in Multiple Sclerosis: Retrospective Analysis of an 18-Year Longitudinal Study. American Journal of Neuroradiology, 2017, 38, 1311-1316.	1.2	48

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19	The contribution of small vessel disease to subtypes of Alzheimer's disease: a study on cerebrospinal fluid and imaging biomarkers. Neurobiology of Aging, 2018, 70, 18-29.	1.5	48
20	Rituximab treatment for multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 137-152.	1.4	46
21	Topography and Determinants of Magnetic Resonance Imaging (MRI)â€Visible Perivascular Spaces in a Large Memory Clinic Cohort. Journal of the American Heart Association, 2017, 6, .	1.6	43
22	Validation of Rapid Magnetic Resonance Myelin Imaging in Multiple Sclerosis. Annals of Neurology, 2020, 87, 710-724.	2.8	42
23	MRIâ€Defined Corpus Callosal Atrophy in Multiple Sclerosis: A Comparison of Volumetric Measurements, Corpus Callosum Area and Index. Journal of Neuroimaging, 2015, 25, 996-1001.	1.0	40
24	Incidence of Radiologically Isolated Syndrome: A Population-Based Study. American Journal of Neuroradiology, 2016, 37, 1017-1022.	1.2	40
25	Cerebrospinal fluid profiles with increasing number of cerebral microbleeds in a continuum of cognitive impairment. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 621-628.	2.4	40
26	Quantitative validation of a visual rating scale for frontal atrophy: associations with clinical status, APOE e4, CSF biomarkers and cognition. European Radiology, 2016, 26, 2597-2610.	2.3	39
27	Cortical superficial siderosis. Neurology, 2016, 87, 1110-1117.	1.5	37
28	Multiple sclerosis lesions in motor tracts from brain to cervical cord: spatial distribution and correlation with disability. Brain, 2020, 143, 2089-2105.	3.7	34
29	Enlarged perivascular spaces in multiple sclerosis on magnetic resonance imaging: a systematic review and meta-analysis. Journal of Neurology, 2020, 267, 3199-3212.	1.8	31
30	Evidence of early microstructural white matter abnormalities in multiple sclerosis from multi-shell diffusion MRI. NeuroImage: Clinical, 2019, 22, 101699.	1.4	27
31	Cerebral microbleeds topography and cerebrospinal fluid biomarkers in cognitive impairment. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1006-1013.	2.4	24
32	Gadolinium Retention in the Brain: An MRI Relaxometry Study of Linear and Macrocyclic Gadolinium-Based Contrast Agents in Multiple Sclerosis. American Journal of Neuroradiology, 2019, 40, 1265-1273.	1.2	24
33	7 T imaging reveals a gradient in spinal cord lesion distribution in multiple sclerosis. Brain, 2020, 143, 2973-2987.	3.7	22
34	Lesion accumulation is predictive of long-term cognitive decline in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2018, 21, 110-116.	0.9	20
35	Sustained remission in multiple sclerosis after hematopoietic stem cell transplantation. Acta Neurologica Scandinavica, 2019, 140, 320-327.	1.0	19
36	Mapping of apparent susceptibility yields promising diagnostic separation of progressive supranuclear palsy from other causes of parkinsonism. Scientific Reports, 2019, 9, 6079.	1.6	18

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37	Hereditary diffuse leukoencephalopathy with spheroids â€“ a volumetric and radiological comparison with multiple sclerosis patients and healthy controls. European Journal of Neurology, 2016, 23, 817-822.	1.7	17
38	Detection of Leukocortical Lesions in Multiple Sclerosis and Their Association with Physical and Cognitive Impairment: A Comparison of Conventional and Synthetic Phase-Sensitive Inversion Recovery MRI. American Journal of Neuroradiology, 2018, 39, 1995-2000.	1.2	17
39	Changes in structural network are associated with cortical demyelination in early multiple sclerosis. Human Brain Mapping, 2018, 39, 2133-2146.	1.9	16
40	Neuroimaging phenotypes of CSF1Râ€related leukoencephalopathy: Systematic review, metaâ€analysis, and imaging recommendations. Journal of Internal Medicine, 2022, 291, 269-282.	2.7	14
41	Radiologically isolated syndrome: an uncommon finding at a university clinic in a high-prevalence region for multiple sclerosis. BMJ Open, 2013, 3, e003531.	0.8	13
42	Deep Learning Corpus Callosum Segmentation as a Neurodegenerative Marker in Multiple Sclerosis. Journal of Neuroimaging, 2021, 31, 493-500.	1.0	13
43	Early axonal damage in normal appearing white matter in multiple sclerosis: Novel insights from multi-shell diffusion MRI. , 2017, 2017, 3024-3027.		12
44	Automated brainstem volumetry can aid in the diagnostics of parkinsonian disorders. Parkinsonism and Related Disorders, 2020, 79, 18-25.	1.1	12
45	Machine Learning and Multiparametric Brain MRI to Differentiate Hereditary Diffuse Leukodystrophy with Spheroids from Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 674-682.	1.0	12
46	Visualization of cortical MS lesions with MRI need not be further improved â€“ NO. Multiple Sclerosis Journal, 2017, 23, 17-19.	1.4	11
47	Evidence for Progressive Microstructural Damage in Early Multiple Sclerosis by Multi-Shell Diffusion Magnetic Resonance Imaging. Neuroscience, 2019, 403, 27-34.	1.1	10
48	Cerebrospinal Fluid Metals and the Association with Cerebral Small Vessel Disease. Journal of Alzheimer's Disease, 2020, 78, 1229-1236.	1.2	9
49	SLC1A3 variant associated with hemiplegic migraine and acetazolamide-responsive MRS changes. Neurology: Genetics, 2020, 6, e474.	0.9	9
50	The Karolinska NeuroCOVID study protocol: Neurocognitive impairment, biomarkers and advanced imaging in critical care survivors. Acta Anaesthesiologica Scandinavica, 2022, , .	0.7	9
51	MRIâ€Based Manual versus Automated Corpus Callosum Volumetric Measurements in Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 198-204.	1.0	6
52	Magnetic resonance imaging in multiple sclerosis animal models: A systematic review, meta-analysis, and white paper. NeuroImage: Clinical, 2020, 28, 102371.	1.4	6
53	Brain Atrophy Subtypes and the ATN Classification Scheme in Alzheimerâ€™s Disease. Neurodegenerative Diseases, 2020, 20, 153-164.	0.8	6
54	Rare variants in dynein heavy chain genes in two individuals with situs inversus and developmental dyslexia: a case report. BMC Medical Genetics, 2020, 21, 87.	2.1	5

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55	Phenotypic variability in chorea-acanthocytosis associated with novel VPS13A mutations. Neurology: Genetics, 2020, 6, e426.	0.9	5
56	Automatic deep learning multicontrast corpus callosum segmentation in multiple sclerosis. Journal of Neuroimaging, 2022, 32, 459-470.	1.0	5
57	Quantitative 7-Tesla Imaging of Cortical Myelin Changes in Early Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 714820.	1.1	4
58	Heterozygous variants in DCC. Neurology: Genetics, 2020, 6, e526.	0.9	4
59	Four Swedish cases of CSF1Râ€related leukoencephalopathy: Visualization of clinical phenotypes. Acta Neurologica Scandinavica, 2022, 145, 599-609.	1.0	3
60	Cortical and white matter lesion topology influences focal corpus callosum atrophy in multiple sclerosis. Journal of Neuroimaging, 2022, 32, 471-479.	1.0	3
61	IC-P-120: PREVALENCE, TOPOGRAPHY, AND RISK FACTORS OF CEREBRAL MICROBLEEDS IN DEMENTIA. , 2014, 10, P67-P68.		0
62	O5-02-01: PREVALENCE, TOPOGRAPHY, AND RISK FACTORS OF CEREBRAL MICROBLEEDS IN DEMENTIA. , 2014, 10, P290-P291.		0
63	Reply:. American Journal of Neuroradiology, 2016, 37, E70-E70.	1.2	0
64	The reliability of a deep learning model in external memory clinic MRI data: A multiâ€cohort study. Alzheimer's and Dementia, 2020, 16, e042969.	0.4	0
65	Expanding the etiologic spectrum of spastic ataxia syndrome: chronic infection with human T lymphotropic virus type 1. Journal of NeuroVirology, 2021, 27, 345-347.	1.0	0
66	Neuroâ€COVID: Does severe COVIDâ€19 infection increase the risk for cognitive impairment?. Alzheimer's and Dementia, 2021, 17, .	0.4	0