

Hanna G Zimmermann

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

4,721
citations

109321

35
h-index

102487

66
g-index

86
all docs

86
docs citations

86
times ranked

3643
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired motion perception is associated with functional and structural visual pathway damage in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis Journal</i> , 2022, 28, 757-767.	3.0	3
2	Modular deep neural networks for automatic quality control of retinal optical coherence tomography scans. <i>Computers in Biology and Medicine</i> , 2022, 141, 104822.	7.0	10
3	Astrocytic outer retinal layer thinning is not a feature in AQP4-IgG seropositive neuromyelitis optica spectrum disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 188-195.	1.9	13
4	Longitudinal Retinal Changes in <sc>MOGAD</sc>. <i>Annals of Neurology</i> , 2022, 92, 476-485.	5.3	20
5	Anti-MOG antibody-associated disorders: differences in clinical profiles and prognosis in Japan and Germany. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 377-383.	1.9	18
6	A novel investigation method for axonal damage in neuromyelitis optica spectrum disorder: In vivo corneal confocal microscopy. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2021, 7, 205521732199806.	1.0	1
7	Validation of Computer-Adaptive Contrast Sensitivity as a Tool to Assess Visual Impairment in Multiple Sclerosis Patients. <i>Frontiers in Neuroscience</i> , 2021, 15, 591302.	2.8	11
8	Cultural bias in motor function patterns: Potential relevance for predictive, preventive, and personalized medicine. <i>EPMA Journal</i> , 2021, 12, 91-101.	6.1	4
9	Foveal changes in aquaporin-4 antibody seropositive neuromyelitis optica spectrum disorder are independent of optic neuritis and not overtly progressive. <i>European Journal of Neurology</i> , 2021, 28, 2280-2293.	3.3	14
10	Spinocerebellar ataxia type 14: refining clinicogenetic diagnosis in a rare adult-onset disorder. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 774-789.	3.7	13
11	Longitudinal analysis of T1w/T2w ratio in patients with multiple sclerosis from first clinical presentation. <i>Multiple Sclerosis Journal</i> , 2021, 27, 2180-2190.	3.0	12
12	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. <i>Neurology</i> , 2021, 97, 68-79.	1.1	96
13	Retinal Thickness Analysis in Progressive Multiple Sclerosis Patients Treated With Epigallocatechin Gallate: Optical Coherence Tomography Results From the SUPREMES Study. <i>Frontiers in Neurology</i> , 2021, 12, 615790.	2.4	7
14	AQP4-IgG autoimmunity in Japan and Germany: Differences in clinical profiles and prognosis in seropositive neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2021, 7, 205521732110068.	1.0	6
15	Artificial intelligence extension of the OSCAR criteria. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1528-1542.	3.7	33
16	Serum GFAP and NfL as disease severity and prognostic biomarkers in patients with aquaporin-4 antibody-positive neuromyelitis optica spectrum disorder. <i>Journal of Neuroinflammation</i> , 2021, 18, 105.	7.2	44
17	Association of a Marker of N-Acetylglucosamine With Progressive Multiple Sclerosis and Neurodegeneration. <i>JAMA Neurology</i> , 2021, 78, 842.	9.0	15
18	Increased Serum Neurofilament Light and Thin Ganglion Cell Inner Plexiform Layer Are Additive Risk Factors for Disease Activity in Early Multiple Sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	6.0	29

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19	Retinal Optical Coherence Tomography in Neuromyelitis Optica. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	6.0	47
20	Retinal optical coherence tomography and magnetic resonance imaging in neuromyelitis optica spectrum disorders and MOG-antibody associated disorders: an updated review. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 1101-1123.	2.8	7
21	Lateral geniculate nucleus volume changes after optic neuritis in neuromyelitis optica: A longitudinal study. <i>NeuroImage: Clinical</i> , 2021, 30, 102608.	2.7	9
22	Understanding neurodegenerative changes of the afferent visual pathway in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020, 7, e667.	6.0	0
23	Visual system damage and network maladaptation are associated with cognitive performance in neuromyelitis optica spectrum disorders.. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 45, 102406.	2.0	9
24	Functionally Relevant Maculopathy and Optic Atrophy in Spinocerebellar Ataxia Type 1. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 502-508.	1.5	7
25	Cohort profile: a collaborative multicentre study of retinal optical coherence tomography in 539 patients with neuromyelitis optica spectrum disorders (CROCTINO). <i>BMJ Open</i> , 2020, 10, e035397.	1.9	10
26	Fingolimod after a first unilateral episode of acute optic neuritis (MOVING) – preliminary results from a randomized, rater-blind, active-controlled, phase 2 trial. <i>BMC Neurology</i> , 2020, 20, 75.	1.8	10
27	Investigation of Visual System Involvement in Spinocerebellar Ataxia Type 14. <i>Cerebellum</i> , 2020, 19, 469-482.	2.5	3
28	Altered fovea in AQP4-IgG seropositive neuromyelitis optica spectrum disorders. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020, 7, .	6.0	50
29	Longitudinal optic neuritis-unrelated visual evoked potential changes in NMO spectrum disorders. <i>Neurology</i> , 2020, 94, e407-e418.	1.1	36
30	Optic chiasm measurements may be useful markers of anterior optic pathway degeneration in neuromyelitis optica spectrum disorders. <i>European Radiology</i> , 2020, 30, 5048-5058.	4.5	9
31	Optical coherence tomography in myelin-oligodendrocyte-glycoprotein antibody-seropositive patients: a longitudinal study. <i>Journal of Neuroinflammation</i> , 2019, 16, 154.	7.2	61
32	Imaging markers of disability in aquaporin-4 immunoglobulin G seropositive neuromyelitis optica: a graph theory study. <i>Brain Communications</i> , 2019, 1, fcz026.	3.3	15
33	Retinal inner nuclear layer volume reflects inflammatory disease activity in multiple sclerosis; a longitudinal OCT study. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2019, 5, 205521731987158.	1.0	34
34	Attack-related damage of thalamic nuclei in neuromyelitis optica spectrum disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 1156-1164.	1.9	20
35	Vision and Vision-Related Measures in Progressive Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2019, 10, 455.	2.4	17
36	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. <i>Annals of Neurology</i> , 2019, 85, 618-629.	5.3	104

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37	Normative Data and Minimally Detectable Change for Inner Retinal Layer Thicknesses Using a Semi-automated OCT Image Segmentation Pipeline. <i>Frontiers in Neurology</i> , 2019, 10, 1117.	2.4	36
38	Novel uses of retinal imaging with optical coherence tomography in multiple sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 31-43.	2.8	44
39	Automatic quality evaluation as assessment standard for optical coherence tomography. , 2019, , .		2
40	Optical coherence tomography in neuromyelitis optica spectrum disorders: potential advantages for individualized monitoring of progression and therapy. <i>EPMA Journal</i> , 2018, 9, 21-33.	6.1	75
41	Association of Retinal Ganglion Cell Layer Thickness With Future Disease Activity in Patients With Clinically Isolated Syndrome. <i>JAMA Neurology</i> , 2018, 75, 1071.	9.0	72
42	Anatomical Wiring and Functional Networking Changes in the Visual System Following Optic Neuritis. <i>JAMA Neurology</i> , 2018, 75, 287.	9.0	39
43	Association of Visual Impairment in Neuromyelitis Optica Spectrum Disorder With Visual Network Reorganization. <i>JAMA Neurology</i> , 2018, 75, 296.	9.0	34
44	Frequent retinal ganglion cell damage after acute optic neuritis. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 22, 141-147.	2.0	30
45	Self-perception and determinants of color vision in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2018, 125, 145-152.	2.8	8
46	Temporal visual resolution and disease severity in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e492.	6.0	15
47	Retinal ganglion cell loss in neuromyelitis optica: a longitudinal study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 1259-1265.	1.9	100
48	Optical coherence tomography in acute optic neuritis: A population-based study. <i>Acta Neurologica Scandinavica</i> , 2018, 138, 566-573.	2.1	44
49	Severe structural and functional visual system damage leads to profound loss of vision-related quality of life in patients with neuromyelitis optica spectrum disorders. <i>Multiple Sclerosis and Related Disorders</i> , 2017, 11, 45-50.	2.0	89
50	Microstructural visual system changes in AQP4-antibody-seropositive NMOSD. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017, 4, e334.	6.0	128
51	Contribution of blood vessels to retinal nerve fiber layer thickness in NMOSD. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017, 4, e338.	6.0	19
52	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology</i> , The, 2017, 16, 797-812.	10.2	397
53	Synergistic Strategy for Multicolor Two-photon Microscopy: Application to the Analysis of Germinal Center Reactions In Vivo. <i>Scientific Reports</i> , 2017, 7, 7101.	3.3	48
54	Patients with multiple sclerosis demonstrate reduced subbasal corneal nerve fibre density. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1847-1853.	3.0	65

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55	Longitudinal Intravital Imaging of the Retina Reveals Long-term Dynamics of Immune Infiltration and Its Effects on the Glial Network in Experimental Autoimmune Uveoretinitis, without Evident Signs of Neuronal Dysfunction in the Ganglion Cell Layer. <i>Frontiers in Immunology</i> , 2016, 7, 642.	4.8	20
56	Retinal imaging and axonal degeneration in later onset multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2016, 370, 1-6.	0.6	2
57	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 1: Frequency, syndrome specificity, influence of disease activity, long-term course, association with AQP4-IgG, and origin. <i>Journal of Neuroinflammation</i> , 2016, 13, 279.	7.2	351
58	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 2: Epidemiology, clinical presentation, radiological and laboratory features, treatment responses, and long-term outcome. <i>Journal of Neuroinflammation</i> , 2016, 13, 280.	7.2	686
59	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 4: Afferent visual system damage after optic neuritis in MOG-IgG-seropositive versus AQP4-IgG-seropositive patients. <i>Journal of Neuroinflammation</i> , 2016, 13, 282.	7.2	217
60	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 3: Brainstem involvement - frequency, presentation and outcome. <i>Journal of Neuroinflammation</i> , 2016, 13, 281.	7.2	202
61	Visual dysfunction, but not retinal thinning, following anti-NMDA receptor encephalitis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2016, 3, e198.	6.0	21
62	Afferent Visual Pathway Affection in Patients with PMP22 Deletion-Related Hereditary Neuropathy with Liability to Pressure Palsies. <i>PLoS ONE</i> , 2016, 11, e0164617.	2.5	6
63	Comparison of Standard Versus Wide-Field Composite Images of the Corneal Subbasal Layer by In Vivo Confocal Microscopy. , 2015, 56, 5801.		39
64	No Evidence for Retinal Damage Evolving from Reduced Retinal Blood Flow in Carotid Artery Disease. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	21
65	Reliability of Intra-Retinal Layer Thickness Estimates. <i>PLoS ONE</i> , 2015, 10, e0137316.	2.5	75
66	Optic radiation damage in multiple sclerosis is associated with visual dysfunction and retinal thinning – an ultrahigh-field MR pilot study. <i>European Radiology</i> , 2015, 25, 122-131.	4.5	84
67	Temporal retinal nerve fibre layer thinning in cluster headache patients detected by optical coherence tomography. <i>Cephalalgia</i> , 2015, 35, 946-958.	3.9	10
68	Optical coherence tomography for retinal imaging in multiple sclerosis. <i>Degenerative Neurological and Neuromuscular Disease</i> , 2014, 4, 153.	1.3	18
69	Effects of Deep Repetitive Transcranial Magnetic Stimulation on Brain-Derived Neurotrophic Factor Serum Concentration in Healthy Volunteers. <i>Neuropsychobiology</i> , 2014, 69, 112-119.	1.9	12
70	Relations of low contrast visual acuity, quality of life and multiple sclerosis functional composite: a cross-sectional analysis. <i>BMC Neurology</i> , 2014, 14, 31.	1.8	46
71	Photoreceptor layer thinning in idiopathic Parkinson's disease. <i>Movement Disorders</i> , 2014, 29, 1163-1170.	3.9	84
72	Low contrast visual acuity testing is associated with cognitive performance in multiple sclerosis: a cross-sectional pilot study. <i>BMC Neurology</i> , 2013, 13, 167.	1.8	37

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73	Optic neuritis interferes with optical coherence tomography and magnetic resonance imaging correlations. <i>Multiple Sclerosis Journal</i> , 2013, 19, 443-450.	3.0	100
74	Optic Neuritis Is Associated with Inner Nuclear Layer Thickening and Microcystic Macular Edema Independently of Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e71145.	2.5	102
75	Optical Coherence Tomography Reveals Distinct Patterns of Retinal Damage in Neuromyelitis Optica and Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e66151.	2.5	162
76	Impairment of contrast visual acuity as a functional correlate of retinal nerve fibre layer thinning and total macular volume reduction in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2012, 96, 62-67.	3.9	68
77	Retinal Damage in Multiple Sclerosis Disease Subtypes Measured by High-Resolution Optical Coherence Tomography. <i>Multiple Sclerosis International</i> , 2012, 2012, 1-10.	0.8	111
78	Optic Nerve Head Quantification in Idiopathic Intracranial Hypertension by Spectral Domain OCT. <i>PLoS ONE</i> , 2012, 7, e36965.	2.5	68
79	Patterns of Retinal Damage Facilitate Differential Diagnosis between Susac Syndrome and MS. <i>PLoS ONE</i> , 2012, 7, e38741.	2.5	52
80	Temporal Retinal Nerve Fiber Loss in Patients with Spinocerebellar Ataxia Type 1. <i>PLoS ONE</i> , 2011, 6, e23024.	2.5	57