

Alexander Klistorner

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124
papers

3,458
citations

32
h-index

55
g-index

128
ext. papers

4,142
ext. citations

4.7
avg, IF

5.08
L-index

#	Paper	IF	Citations
124	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology, The</i> , 2017 , 16, 797-812	24.1	243
123	Retinal thickness measured with optical coherence tomography and risk of disability worsening in multiple sclerosis: a cohort study. <i>Lancet Neurology, The</i> , 2016 , 15, 574-84	24.1	194
122	Quality control for retinal OCT in multiple sclerosis: validation of the OSCAR-IB criteria. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 163-70	5	172
121	TrkB receptor signalling: implications in neurodegenerative, psychiatric and proliferative disorders. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 10122-42	6.3	131
120	Objective perimetry in glaucoma. <i>Ophthalmology</i> , 2000 , 107, 2283-99	7.3	124
119	Axonal loss and myelin in early ON loss in postacute optic neuritis. <i>Annals of Neurology</i> , 2008 , 64, 325-31	9.4	120
118	Separate magnocellular and parvocellular contributions from temporal analysis of the multifocal VEP. <i>Vision Research</i> , 1997 , 37, 2161-9	2.1	91
117	Latency delay of visual evoked potential is a real measurement of demyelination in a rat model of optic neuritis 2011 , 52, 6911-8		90
116	BDNF impairment is associated with age-related changes in the inner retina and exacerbates experimental glaucoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1567-78	6.9	88
115	Microstructural visual system changes in AQP4-antibody-seropositive NMOSD. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017 , 4, e334	9.1	84
114	Axonal loss of retinal neurons in multiple sclerosis associated with optic radiation lesions. <i>Neurology</i> , 2014 , 82, 2165-72	6.5	83
113	Protective effects of 7,8-dihydroxyflavone on retinal ganglion and RGC-5 cells against excitotoxic and oxidative stress. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 96-104	3.3	69
112	Correlation between full-field and multifocal VEPs in optic neuritis. <i>Documenta Ophthalmologica</i> , 2008 , 116, 19-27	2.2	67
111	Multifocal VEP and OCT in optic neuritis: a topographical study of the structure-function relationship. <i>Documenta Ophthalmologica</i> , 2009 , 118, 129-37	2.2	66
110	BDNF Polymorphism: A Review of Its Diagnostic and Clinical Relevance in Neurodegenerative Disorders 2018 , 9, 523-536		65
109	Interrelationship of optical coherence tomography and multifocal visual-evoked potentials after optic neuritis 2010 , 51, 2770-7		62
108	Demyelination precedes axonal loss in the transneuronal spread of human neurodegenerative disease. <i>Brain</i> , 2019 , 142, 426-442	11.2	54

107	Optic neuropathies: characteristic features and mechanisms of retinal ganglion cell loss. <i>Reviews in the Neurosciences</i> , 2013 , 24, 301-21	4.7	54
106	Progressive Loss of Retinal Ganglion Cells and Axons in Nonoptic Neuritis Eyes in Multiple Sclerosis: A Longitudinal Optical Coherence Tomography Study 2016 , 57, 2311-7		52
105	Relationship between optical coherence tomography and electrophysiology of the visual pathway in non-optic neuritis eyes of multiple sclerosis patients. <i>PLoS ONE</i> , 2014 , 9, e102546	3.7	51
104	Multifocal visual evoked potential latency analysis: predicting progression to multiple sclerosis. <i>Archives of Neurology</i> , 2006 , 63, 847-50		50
103	Axonal loss in non-optic neuritis eyes of patients with multiple sclerosis linked to delayed visual evoked potential. <i>Neurology</i> , 2013 , 80, 242-5	6.5	46
102	Electrophysiological evidence for heterogeneity of lesions in optic neuritis. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 4549-56		46
101	A Deep Learning-Based Algorithm Identifies Glaucomatous Discs Using Monoscopic Fundus Photographs. <i>Ophthalmology Glaucoma</i> , 2018 , 1, 15-22	2.2	46
100	Multifocal visual evoked potential analysis of inflammatory or demyelinating optic neuritis. <i>Ophthalmology</i> , 2006 , 113, 323.e1-323.e2	7.3	44
99	Decoding diffusivity in multiple sclerosis: analysis of optic radiation lesional and non-lesional white matter. <i>PLoS ONE</i> , 2015 , 10, e0122114	3.7	42
98	Differing Structural and Functional Patterns of Optic Nerve Damage in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , 2019 , 126, 445-453	7.3	39
97	Anterograde degeneration along the visual pathway after optic nerve injury. <i>PLoS ONE</i> , 2012 , 7, e52061	3.7	37
96	Latency of multifocal visual evoked potentials in nonoptic neuritis eyes of multiple sclerosis patients associated with optic radiation lesions 2014 , 55, 3758-64		36
95	Transsynaptic retinal degeneration in optic neuropathies: optical coherence tomography study 2012 , 53, 1271-5		35
94	Optic nerve diffusion tensor imaging after acute optic neuritis predicts axonal and visual outcomes. <i>PLoS ONE</i> , 2013 , 8, e83825	3.7	34
93	Diffusion tensor imaging correlates of visual impairment in multiple sclerosis and chronic optic neuritis 2012 , 53, 825-32		34
92	Severe persistent visual field constriction associated with vigabatrin 1998 , 316, 232-233		32
91	FTY720 protects retinal ganglion cells in experimental glaucoma 2014 , 55, 3060-6		31
90	Performance of iPad-based threshold perimetry in glaucoma and controls. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 346-355	2.4	31

89	Progression of retinal ganglion cell loss in multiple sclerosis is associated with new lesions in the optic radiations. <i>European Journal of Neurology</i> , 2017 , 24, 1392-1398	6	29
88	Inner nuclear layer thickening is inversely proportional to retinal ganglion cell loss in optic neuritis. <i>PLoS ONE</i> , 2013 , 8, e78341	3.7	29
87	Afferent visual pathways in multiple sclerosis: a review. <i>Clinical and Experimental Ophthalmology</i> , 2017 , 45, 62-72	2.4	28
86	Electrophysiology: A review of signal origins and applications to investigating glaucoma. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1998 , 26, 71-85		28
85	Assessment of Opicinumab in Acute Optic Neuritis Using Multifocal Visual Evoked Potential. <i>CNS Drugs</i> , 2018 , 32, 1159-1171	6.7	28
84	Fellow eye changes in optic neuritis correlate with the risk of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2009 , 15, 928-32	5	27
83	Objective perimetry in glaucoma: recent advances with multifocal stimuli. <i>Survey of Ophthalmology</i> , 1999 , 43 Suppl 1, S199-209	6.1	27
82	Evidence of Müller Glial Dysfunction in Patients with Aquaporin-4 Immunoglobulin G-Positive Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , 2019 , 126, 801-810	7.3	26
81	Multifocal blue-on-yellow visual evoked potentials in early glaucoma. <i>Ophthalmology</i> , 2007 , 114, 1613-21	7.3	26
80	Shp-2 regulates the TrkB receptor activity in the retinal ganglion cells under glaucomatous stress. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1643-9	6.9	25
79	Brain derived neurotrophic factor is involved in the regulation of glycogen synthase kinase 3 β (GSK3 β) signalling. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 454, 381-6	3.4	24
78	Longitudinal optic neuritis-unrelated visual evoked potential changes in NMO spectrum disorders. <i>Neurology</i> , 2020 , 94, e407-e418	6.5	23
77	Progressive inner nuclear layer dysfunction in non-optic neuritis eyes in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e427	9.1	23
76	Evidence of progressive tissue loss in the core of chronic MS lesions: A longitudinal DTI study. <i>NeuroImage: Clinical</i> , 2018 , 17, 1028-1035	5.3	22
75	Comparison of objective diagnostic tests in glaucoma: Heidelberg retinal tomography and multifocal visual evoked potentials. <i>Journal of Glaucoma</i> , 2006 , 15, 110-6	2.1	22
74	Multifocal VEP assessment of optic neuritis evolution. <i>Clinical Neurophysiology</i> , 2015 , 126, 1617-23	4.3	21
73	Improving reproducibility of VEP recording in rats: electrodes, stimulus source and peak analysis. <i>Documenta Ophthalmologica</i> , 2011 , 123, 109-19	2.2	21
72	The diagnostic significance of the multifocal pattern visual evoked potential in glaucoma. <i>Current Opinion in Ophthalmology</i> , 1999 , 10, 140-6	5.1	21

71	Normalization of visual evoked potentials using underlying electroencephalogram levels improves amplitude reproducibility in rats 2012 , 53, 1473-8		20
70	Magnetisation transfer ratio in optic neuritis is associated with axonal loss, but not with demyelination. <i>NeuroImage</i> , 2011 , 56, 21-6	7.9	20
69	Optical coherence tomography in the diagnosis and management of optic neuritis and multiple sclerosis. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2011 , 42 Suppl, S28-40	1.4	20
68	A topographical relationship between visual field defects and optic radiation changes in glaucoma 2014 , 55, 5770-5		19
67	Parallel changes in structural and functional measures of optic nerve myelination after optic neuritis. <i>PLoS ONE</i> , 2015 , 10, e0121084	3.7	18
66	MS-GAN: GAN-Based Semantic Segmentation of Multiple Sclerosis Lesions in Brain Magnetic Resonance Imaging 2018 ,		16
65	Diffusivity in multiple sclerosis lesions: At the cutting edge?. <i>NeuroImage: Clinical</i> , 2016 , 12, 219-26	5.3	15
64	The electrophysiological assessment of visual function in Multiple Sclerosis. <i>Clinical Neurophysiology Practice</i> , 2019 , 4, 90-96	3.8	14
63	Relationship between chronic demyelination of the optic nerve and short term axonal loss. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012 , 83, 311-4	5.5	14
62	Dichoptic stimulation improves detection of glaucoma with multifocal visual evoked potentials. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 4590-6		14
61	Optic nerve magnetisation transfer ratio after acute optic neuritis predicts axonal and visual outcomes. <i>PLoS ONE</i> , 2012 , 7, e52291	3.7	13
60	Reproducibility of multifocal VEP latency using different stimulus presentations. <i>Documenta Ophthalmologica</i> , 2012 , 125, 43-9	2.2	13
59	Identifying preperimetric functional loss in glaucoma: a blue-on-yellow multifocal visual evoked potentials study. <i>Ophthalmology</i> , 2009 , 116, 1134-41	7.3	13
58	Electrophysiology: a review of signal origins and applications to investigating glaucoma. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1998 , 26, 71-85		13
57	Serial Diffusion Tensor Imaging of the Optic Radiations after Acute Optic Neuritis. <i>Journal of Ophthalmology</i> , 2016 , 2016, 2764538	2	13
56	Intertest variability of mfVEP amplitude: reducing its effect on the interpretation of sequential tests. <i>Documenta Ophthalmologica</i> , 2005 , 111, 159-67	2.2	12
55	Gaussian wavelet transform and classifier to reliably estimate latency of multifocal visual evoked potentials (mfVEP). <i>Vision Research</i> , 2012 , 52, 79-87	2.1	11
54	Lesion activity and chronic demyelination are the major determinants of brain atrophy in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6,	9.1	10

53	Multifocal Visual Evoked Potential (mfVEP) and Pattern-Reversal Visual Evoked Potential Changes in Patients with Visual Pathway Disorders: A Case Series. <i>Neuro-Ophthalmology</i> , 2015 , 39, 220-233	0.9	10
52	Electrophysiological and psychophysical evidence for the development of magnocellular function in children. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996 , 24, 38-40		10
51	Biomedical signal acquisition with streaming wireless communication for recording evoked potentials. <i>Documenta Ophthalmologica</i> , 2012 , 125, 149-59	2.2	9
50	Temporal analysis of the chromatic flash VEP--separate colour and luminance contrast components. <i>Vision Research</i> , 1998 , 38, 3979-4000	2.1	9
49	Chronic demyelination exacerbates neuroaxonal loss in patients with MS with unilateral optic neuritis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	9
48	Progressive Injury in Chronic Multiple Sclerosis Lesions Is Gender-Specific: A DTI Study. <i>PLoS ONE</i> , 2016 , 11, e0149245	3.7	9
47	White matter tract-specific quantitative analysis in multiple sclerosis: Comparison of optic radiation reconstruction techniques. <i>PLoS ONE</i> , 2018 , 13, e0191131	3.7	8
46	Axonal loss in a rat model of optic neuritis is closely correlated with visual evoked potential amplitudes using electroencephalogram-based scaling 2012 , 53, 3662		8
45	Ophthalmic manifestations of demyelination secondary to etanercept. <i>Clinical and Experimental Ophthalmology</i> , 2008 , 36, 392-4	2.4	8
44	Exploring the methods of data analysis in multifocal visual evoked potentials. <i>Documenta Ophthalmologica</i> , 2016 , 133, 41-8	2.2	7
43	Correlation between inner retinal layer thickness and cognitive function in HIV: new insights from an exploratory study. <i>Aids</i> , 2018 , 32, 1485-1490	3.5	7
42	Physiological Correlates and Predictors of Functional Recovery After Chiasmal Decompression. <i>Journal of Neuro-Ophthalmology</i> , 2015 , 35, 348-52	2.6	6
41	Low-luminance contrast stimulation is optimal for early detection of glaucoma using multifocal visual evoked potentials 2011 , 52, 3744-50		6
40	Night blindness following low-dose isotretinoin. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2008 , 22, 893-4	4.6	6
39	Multifocal visual evoked responses to dichoptic stimulation using virtual reality goggles: Multifocal VER to dichoptic stimulation. <i>Documenta Ophthalmologica</i> , 2006 , 112, 189-99	2.2	6
38	Multifocal visual evoked potentials in chronic inflammatory demyelinating polyneuropathy. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 952-961	5.3	6
37	Diffusivity in the core of chronic multiple sclerosis lesions. <i>PLoS ONE</i> , 2018 , 13, e0194142	3.7	6
36	Software for analysing multifocal visual evoked potential signal latency progression. <i>Computers in Biology and Medicine</i> , 2015 , 59, 134-141	7	5

35	Visual Evoked Potential Recording in a Rat Model of Experimental Optic Nerve Demyelination. <i>Journal of Visualized Experiments</i> , 2015 , e52934	1.6	5
34	Temporal analysis of the VEP: evidence for separable magnocellular and parvocellular contributions. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996 , 24, 32-4		5
33	Mechanism of delayed conduction of fellow eyes in patients with optic neuritis. <i>International Journal of Ophthalmology</i> , 2018 , 11, 329-332	1.4	5
32	Sex-Specific Effect of BDNF Val66Met Genotypes on the Progression of Open-Angle Glaucoma 2019 , 60, 1069-1075		4
31	Focus on molecules: Sphingosine 1 Phosphate (S1P). <i>Experimental Eye Research</i> , 2012 , 103, 119-20	3.7	4
30	Temporal analysis of the topographic ERG: chromatic versus achromatic stimulation. <i>Vision Research</i> , 1998 , 38, 1047-62	2.1	4
29	Expansion of chronic lesions is linked to disease progression in relapsing-remitting multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1533-1542	5	4
28	Optimizing the Detection of Preperimetric Glaucoma by Combining Structural and Functional Tests 2015 , 56, 7794-7800		3
27	Visual function in velocardiofacial syndrome. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996 , 24, 53-5		3
26	Latency of Multifocal Visual Evoked Potential in Multiple Sclerosis: A Visual Pathway Biomarker for Clinical Trials of Remyelinating Therapies. <i>Journal of Clinical Neurophysiology</i> , 2021 , 38, 186-191	2.2	3
25	Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis. <i>PLoS ONE</i> , 2021 , 16, e0244766	3.7	3
24	Interferon-βs Less Effective Than Other Drugs in Controlling the Rate of Retinal Ganglion Cell Loss in MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021 , 8,	9.1	3
23	Pathophysiological basis of low contrast visual acuity loss in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 1505-1512	5.3	3
22	Visual Evoked Potential Recording in Rodents. <i>NeuroMethods</i> , 2013 , 275-285	0.4	2
21	Effect of fixation tasks on multifocal visual evoked potentials. <i>Clinical and Experimental Ophthalmology</i> , 2005 , 33, 499-504	2.4	2
20	Association Between BDNF Val66Met Polymorphism and Optic Neuritis Damage in Neuromyelitis Optica Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1236	5.1	2
19	Dichoptic suppression of mfVEP amplitude: effect of retinal eccentricity and simulated unilateral visual impairment 2010 , 51, 6549-55		1
18	Trans-synaptic degeneration in the visual pathway: Neural connectivity, pathophysiology, and clinical implications in neurodegenerative disorders. <i>Survey of Ophthalmology</i> , 2021 ,	6.1	1

17	Expansion of chronic MS lesions is associated with an increase of radial diffusivity in periplaque white matter. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211033464	5	1
16	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> , 2021 , 13524585211032801	5	1
15	The expansion and severity of chronic MS lesions follows a periventricular gradient.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221080667	5	1
14	Multiple sclerosis: structural and functional integrity of the visual system following alemtuzumab therapy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 , 92, 1319-1324	5.5	0
13	Reply. <i>Ophthalmology</i> , 2019 , 126, e64-e65	7.3	
12	The Visual Evoked Potential in Humans. <i>Neuromethods</i> , 2013 , 287-299	0.4	
11	CD10: A POTENTIAL NON-HLA ANTIGEN IN RENAL TRANSPLANTION. <i>Transplantation</i> , 2008 , 86, 507	1.8	
10	Effect of check size and stimulation rate on blue-yellow multifocal visual evoked potentials. <i>Clinical and Experimental Ophthalmology</i> , 2004 , 32, 270-4	2.4	
9	Analysis of Multifocal Visual Evoked Potentials Using Artificial Intelligence Algorithms.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 10	3.3	
8	FUNCTIONAL AEROBIC IMPAIRMENT (FAI) IN ADULTS WITH HIV SEROPOSITIVITY. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, S27	1.2	
7	Wallerian Degeneration in the Corticospinal Tract Following Tumefactive Demyelination: Conventional and Advanced Magnetic Resonance Imaging. <i>Canadian Journal of Neurological Sciences</i> , 2016 , 43, 726-7	1	
6	Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis 2021 , 16, e0244766		
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