

# Stuart L Graham

## List of Publications by Citations

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224  
papers

5,299  
citations

39  
h-index

61  
g-index

238  
ext. papers

6,396  
ext. citations

4.7  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
224	Ambulatory blood pressure monitoring in glaucoma. The nocturnal dip. <i>Ophthalmology</i> , <b>1995</b> , 102, 61-9	7.3	234
223	Common variants near ABCA1, AFAP1 and GMDS confer risk of primary open-angle glaucoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 1120-1125	36.3	141
222	TrkB receptor signalling: implications in neurodegenerative, psychiatric and proliferative disorders. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 10122-42	6.3	131
221	Multifocal objective perimetry in the detection of glaucomatous field loss. <i>American Journal of Ophthalmology</i> , <b>2002</b> , 133, 29-39	4.9	130
220	Objective perimetry in glaucoma. <i>Ophthalmology</i> , <b>2000</b> , 107, 2283-99	7.3	124
219	Axonal loss and myelin in early ON loss in postacute optic neuritis. <i>Annals of Neurology</i> , <b>2008</b> , 64, 325-319	4	120
218	Objective VEP perimetry in glaucoma: asymmetry analysis to identify early deficits. <i>Journal of Glaucoma</i> , <b>2000</b> , 9, 10-9	2.1	119
217	Assessing quality of life in patients with glaucoma using the Glaucoma Quality of Life-15 (GQL-15) questionnaire. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 6-12	2.1	98
216	Latency delay of visual evoked potential is a real measurement of demyelination in a rat model of optic neuritis <b>2011</b> , 52, 6911-8		90
215	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> , <b>2014</b> , 1842, 1567-78	6.9	88
214	Genome-wide association study of intraocular pressure uncovers new pathways to glaucoma. <i>Nature Genetics</i> , <b>2018</b> , 50, 1067-1071	36.3	86
213	Clinical application of objective perimetry using multifocal visual evoked potentials in glaucoma practice. <i>JAMA Ophthalmology</i> , <b>2005</b> , 123, 729-39		86
212	Axonal loss of retinal neurons in multiple sclerosis associated with optic radiation lesions. <i>Neurology</i> , <b>2014</b> , 82, 2165-72	6.5	83
211	Multitrait analysis of glaucoma identifies new risk loci and enables polygenic prediction of disease susceptibility and progression. <i>Nature Genetics</i> , <b>2020</b> , 52, 160-166	36.3	78
210	Amyloid $\beta$ accumulation and inner retinal degenerative changes in Alzheimer's disease transgenic mouse. <i>Neuroscience Letters</i> , <b>2016</b> , 623, 52-6	3.3	73
209	Central corneal thickness, tonometry, and ocular dimensions in glaucoma and ocular hypertension. <i>Journal of Glaucoma</i> , <b>2001</b> , 10, 206-10	2.1	71
208	Protective effects of 7,8-dihydroxyflavone on retinal ganglion and RGC-5 cells against excitotoxic and oxidative stress. <i>Journal of Molecular Neuroscience</i> , <b>2013</b> , 49, 96-104	3.3	69

207	Correlation between full-field and multifocal VEPs in optic neuritis. <i>Documenta Ophthalmologica</i> , <b>2008</b> , 116, 19-27	2.2	67
206	Multifocal VEP and OCT in optic neuritis: a topographical study of the structure-function relationship. <i>Documenta Ophthalmologica</i> , <b>2009</b> , 118, 129-37	2.2	66
205	Age-related neurodegenerative disease associated pathways identified in retinal and vitreous proteome from human glaucoma eyes. <i>Scientific Reports</i> , <b>2017</b> , 7, 12685	4.9	65
204	BDNF Polymorphism: A Review of Its Diagnostic and Clinical Relevance in Neurodegenerative Disorders <b>2018</b> , 9, 523-536		65
203	Flash and pattern electroretinogram changes with optic atrophy and glaucoma. <i>Experimental Eye Research</i> , <b>1995</b> , 60, 697-706	3.7	64
202	Interrelationship of optical coherence tomography and multifocal visual-evoked potentials after optic neuritis <b>2010</b> , 51, 2770-7		62
201	Detection of early visual field loss in glaucoma using frequency-doubling perimetry and short-wavelength automated perimetry. <i>JAMA Ophthalmology</i> , <b>2003</b> , 121, 1705-10		61
200	Retinal vascular and structural changes are associated with amyloid burden in the elderly: ophthalmic biomarkers of preclinical Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , <b>2017</b> , 9, 13	9	58
199	Demyelination precedes axonal loss in the transneuronal spread of human neurodegenerative disease. <i>Brain</i> , <b>2019</b> , 142, 426-442	11.2	54
198	Copy number variations of TBK1 in Australian patients with primary open-angle glaucoma. <i>American Journal of Ophthalmology</i> , <b>2015</b> , 159, 124-30.e1	4.9	54
197	Optic neuropathies: characteristic features and mechanisms of retinal ganglion cell loss. <i>Reviews in the Neurosciences</i> , <b>2013</b> , 24, 301-21	4.7	54
196	Relationship between optical coherence tomography and electrophysiology of the visual pathway in non-optic neuritis eyes of multiple sclerosis patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e102546	3.7	51
195	Multifocal visual evoked potential latency analysis: predicting progression to multiple sclerosis. <i>Archives of Neurology</i> , <b>2006</b> , 63, 847-50		50
194	Comparison of the Humphrey Swedish interactive thresholding algorithm (SITA) and full threshold strategies. <i>Journal of Glaucoma</i> , <b>2000</b> , 9, 20-7	2.1	47
193	One protein, multiple pathologies: multifaceted involvement of amyloid $\beta$ in neurodegenerative disorders of the brain and retina. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 4279-4297	10.3	46
192	Axonal loss in non-optic neuritis eyes of patients with multiple sclerosis linked to delayed visual evoked potential. <i>Neurology</i> , <b>2013</b> , 80, 242-5	6.5	46
191	Electrophysiological evidence for heterogeneity of lesions in optic neuritis. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4549-56		46
190	A Deep Learning-Based Algorithm Identifies Glaucomatous Discs Using Monoscopic Fundus Photographs. <i>Ophthalmology Glaucoma</i> , <b>2018</b> , 1, 15-22	2.2	46

189	Australian and New Zealand Registry of Advanced Glaucoma: methodology and recruitment. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 569-75	2.4	45
188	Multifocal visual evoked potential analysis of inflammatory or demyelinating optic neuritis. <i>Ophthalmology</i> , <b>2006</b> , 113, 323.e1-323.e2	7.3	44
187	Decoding diffusivity in multiple sclerosis: analysis of optic radiation lesional and non-lesional white matter. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122114	3.7	42
186	Differing Structural and Functional Patterns of Optic Nerve Damage in Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , <b>2019</b> , 126, 445-453	7.3	39
185	Glaucoma Pathogenesis and Neurotrophins: Focus on the Molecular and Genetic Basis for Therapeutic Prospects. <i>Current Neuropharmacology</i> , <b>2018</b> , 16, 1018-1035	7.6	39
184	Anterograde degeneration along the visual pathway after optic nerve injury. <i>PLoS ONE</i> , <b>2012</b> , 7, e52061	3.7	37
183	Plasma homocysteine, MTHFR gene mutation, and open-angle glaucoma. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 73-8	2.1	37
182	Multifocal pattern electroretinogram does not demonstrate localised field defects in glaucoma. <i>Documenta Ophthalmologica</i> , <b>2000</b> , 100, 155-65	2.2	37
181	Latency of multifocal visual evoked potentials in nonoptic neuritis eyes of multiple sclerosis patients associated with optic radiation lesions <b>2014</b> , 55, 3758-64		36
180	Analysis of risk factors that may be associated with progression from ocular hypertension to primary open angle glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2002</b> , 30, 242-7	2.4	36
179	Transsynaptic retinal degeneration in optic neuropathies: optical coherence tomography study <b>2012</b> , 53, 1271-5		35
178	A comparison of short wavelength automated perimetry with frequency doubling perimetry for the early detection of visual field loss in ocular hypertension. <i>Clinical and Experimental Ophthalmology</i> , <b>2000</b> , 28, 248-52	2.4	35
177	Remyelination of optic nerve lesions: spatial and temporal factors. <i>Multiple Sclerosis Journal</i> , <b>2010</b> , 16, 786-95	5	32
176	FTY720 protects retinal ganglion cells in experimental glaucoma <b>2014</b> , 55, 3060-6		31
175	Performance of iPad-based threshold perimetry in glaucoma and controls. <i>Clinical and Experimental Ophthalmology</i> , <b>2018</b> , 46, 346-355	2.4	31
174	Exploring the Molecular Interactions of 7,8-Dihydroxyflavone and Its Derivatives with TrkB and VEGFR2 Proteins. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 21087-108	6.3	30
173	Progression of retinal ganglion cell loss in multiple sclerosis is associated with new lesions in the optic radiations. <i>European Journal of Neurology</i> , <b>2017</b> , 24, 1392-1398	6	29
172	Intraocular pressure-lowering medications and long-term outcomes of selective laser trabeculoplasty. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 320-7	2.4	29

171	Inner nuclear layer thickening is inversely proportional to retinal ganglion cell loss in optic neuritis. <i>PLoS ONE</i> , <b>2013</b> , 8, e78341	3.7	29
170	Afferent visual pathways in multiple sclerosis: a review. <i>Clinical and Experimental Ophthalmology</i> , <b>2017</b> , 45, 62-72	2.4	28
169	Electrophysiology: A review of signal origins and applications to investigating glaucoma. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26, 71-85		28
168	Fellow eye changes in optic neuritis correlate with the risk of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2009</b> , 15, 928-32	5	27
167	Objective perimetry in glaucoma: recent advances with multifocal stimuli. <i>Survey of Ophthalmology</i> , <b>1999</b> , 43 Suppl 1, S199-209	6.1	27
166	Evidence of Müller Glial Dysfunction in Patients with Aquaporin-4 Immunoglobulin G-Positive Neuromyelitis Optica Spectrum Disorder. <i>Ophthalmology</i> , <b>2019</b> , 126, 801-810	7.3	26
165	Bexarotene Modulates Retinoid-X-Receptor Expression and Is Protective Against Neurotoxic Endoplasmic Reticulum Stress Response and Apoptotic Pathway Activation. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 9043-9056	6.2	26
164	Multifocal blue-on-yellow visual evoked potentials in early glaucoma. <i>Ophthalmology</i> , <b>2007</b> , 114, 1613-217.3	7.3	26
163	Factors affecting awareness and knowledge of glaucoma among patients presenting to an urban emergency department. <i>Clinical and Experimental Ophthalmology</i> , <b>2002</b> , 30, 104-9	2.4	26
162	Multifocal pattern VEP perimetry: analysis of sectoral waveforms. <i>Documenta Ophthalmologica</i> , <b>1999</b> , 98, 183-96	2.2	26
161	Analysis combining correlated glaucoma traits identifies five new risk loci for open-angle glaucoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 3124	4.9	25
160	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> , <b>2012</b> , 1822, 1643-9	6.9	25
159	Central blood pressure, arterial waveform analysis, and vascular risk factors in glaucoma. <i>Journal of Glaucoma</i> , <b>2013</b> , 22, 98-103	2.1	25
158	Dynamic association between intraocular pressure and spontaneous pulsations of retinal veins. <i>Current Eye Research</i> , <b>2011</b> , 36, 53-9	2.9	25
157	Objective perimetry using the multifocal visual evoked potential in central visual pathway lesions. <i>British Journal of Ophthalmology</i> , <b>2005</b> , 89, 739-44	5.5	25
156	Early Magnocellular Loss in Glaucoma Demonstrated Using the Pseudorandomly Stimulated Flash Visual Evoked Potential. <i>Journal of Glaucoma</i> , <b>1999</b> , 8, 140-148	2.1	25
155	Retinal changes in Alzheimer's disease- integrated prospects of imaging, functional and molecular advances. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 82, 100899	20.5	25
154	DBA/2J mouse model for experimental glaucoma: pitfalls and problems. <i>Clinical and Experimental Ophthalmology</i> , <b>2017</b> , 45, 911-922	2.4	24

153	Brain derived neurotrophic factor is involved in the regulation of glycogen synthase kinase 3 $\beta$ (GSK3 $\beta$ ) signalling. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 454, 381-6	3.4	24
152	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 6017-6034	6.2	23
151	Progressive inner nuclear layer dysfunction in non-optic neuritis eyes in MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , <b>2018</b> , 5, e427	9.1	23
150	The effect of the modified Z trendelenburg position on intraocular pressure during robotic assisted laparoscopic radical prostatectomy: a randomized, controlled study. <i>Journal of Urology</i> , <b>2015</b> , 193, 1213-1215	3.5	23
149	Humphrey matrix frequency doubling perimetry for detection of visual-field defects in open-angle glaucoma. <i>British Journal of Ophthalmology</i> , <b>2009</b> , 93, 582-8	5.5	23
148	Prevalence of nocturnal oxygen desaturation and self-reported sleep-disordered breathing in glaucoma. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 114-8	2.1	23
147	Electrode position and the multi-focal visual-evoked potential: role in objective visual field assessment. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26 Suppl 1, S91-4		23
146	Selective reduction of oscillatory potentials and pattern electroretinograms after retinal ganglion cell damage by disease in humans or by kainic acid toxicity in cats. <i>Documenta Ophthalmologica</i> , <b>1991</b> , 77, 237-53	2.2	23
145	Genetic Association at the 9p21 Glaucoma Locus Contributes to Sex Bias in Normal-Tension Glaucoma <b>2016</b> , 57, 3416-21		23
144	Evidence of progressive tissue loss in the core of chronic MS lesions: A longitudinal DTI study. <i>NeuroImage: Clinical</i> , <b>2018</b> , 17, 1028-1035	5.3	22
143	Comparison of objective diagnostic tests in glaucoma: Heidelberg retinal tomography and multifocal visual evoked potentials. <i>Journal of Glaucoma</i> , <b>2006</b> , 15, 110-6	2.1	22
142	Evolving geographic diversity in SARS-CoV2 and in silico analysis of replicating enzyme 3CL targeting repurposed drug candidates. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 278	8.5	22
141	Loss of Shp2 Rescues BDNF/TrkB Signaling and Contributes to Improved Retinal Ganglion Cell Neuroprotection. <i>Molecular Therapy</i> , <b>2019</b> , 27, 424-441	11.7	22
140	Macular Ganglion Cell-Inner Plexiform Layer Loss Precedes Peripapillary Retinal Nerve Fiber Layer Loss in Glaucoma with Lower Intraocular Pressure. <i>Ophthalmology</i> , <b>2019</b> , 126, 1119-1130	7.3	21
139	Multifocal VEP assessment of optic neuritis evolution. <i>Clinical Neurophysiology</i> , <b>2015</b> , 126, 1617-23	4.3	21
138	Improving reproducibility of VEP recording in rats: electrodes, stimulus source and peak analysis. <i>Documenta Ophthalmologica</i> , <b>2011</b> , 123, 109-19	2.2	21
137	The diagnostic significance of the multifocal pattern visual evoked potential in glaucoma. <i>Current Opinion in Ophthalmology</i> , <b>1999</b> , 10, 140-6	5.1	21
136	Comparative analysis of corneal measurements obtained from a Scheimpflug camera and an integrated Placido-optical coherence tomography device in normal and keratoconic eyes. <i>Acta Ophthalmologica</i> , <b>2015</b> , 93, e488-94	3.7	20

135	Longitudinal effect of topical antiglaucoma medications on central corneal thickness. <i>Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 41, 348-54	2.4	20
134	Normalization of visual evoked potentials using underlying electroencephalogram levels improves amplitude reproducibility in rats <b>2012</b> , 53, 1473-8		20
133	A topographical relationship between visual field defects and optic radiation changes in glaucoma <b>2014</b> , 55, 5770-5		19
132	Relationship of Structural Characteristics to Biomechanical Profile in Normal, Keratoconic, and Crosslinked Eyes. <i>Cornea</i> , <b>2015</b> , 34, 791-6	3.1	19
131	Amyloid $\beta$ Induces Early Changes in the Ribosomal Machinery, Cytoskeletal Organization and Oxidative Phosphorylation in Retinal Photoreceptor Cells. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 24	6.1	18
130	Regulation of Brain-Derived Neurotrophic Factor and Growth Factor Signaling Pathways by Tyrosine Phosphatase Shp2 in the Retina: A Brief Review. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 85	6.1	18
129	Parallel changes in structural and functional measures of optic nerve myelination after optic neuritis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121084	3.7	18
128	Myocilin Predictive Genetic Testing for Primary Open-Angle Glaucoma Leads to Early Identification of At-Risk Individuals. <i>Ophthalmology</i> , <b>2017</b> , 124, 303-309	7.3	17
127	Glaucoma is associated with plasmin proteolytic activation mediated through oxidative inactivation of neuroserpin. <i>Scientific Reports</i> , <b>2017</b> , 7, 8412	4.9	17
126	Clinical audit examining the impact of benzalkonium chloride-free anti-glaucoma medications on patients with symptoms of ocular surface disease. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 214-20	2.4	17
125	Widespread endotheliopathy in adults with cyanotic congenital heart disease. <i>Cardiology in the Young</i> , <b>2015</b> , 25, 511-9	1	17
124	A comparison of perimetric results with the Medmont and Humphrey perimeters. <i>British Journal of Ophthalmology</i> , <b>2003</b> , 87, 690-4	5.5	16
123	Familial amyloidotic polyneuropathy presenting with rubeotic glaucoma. <i>Clinical and Experimental Ophthalmology</i> , <b>2002</b> , 30, 300-2	2.4	16
122	Activated protein C resistance--low incidence in glaucomatous optic disc haemorrhage and central retinal vein occlusion. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1996</b> , 24, 199-205		16
121	Parallels between retinal and brain pathology and response to immunotherapy in old, late-stage Alzheimer's disease mouse models. <i>Aging Cell</i> , <b>2020</b> , 19, e13246	9.9	16
120	PTPN11 induces endoplasmic stress and apoptosis in SH-SY5Y cells. <i>Neuroscience</i> , <b>2017</b> , 364, 175-189	3.9	15
119	Diffusivity in multiple sclerosis lesions: At the cutting edge?. <i>NeuroImage: Clinical</i> , <b>2016</b> , 12, 219-26	5.3	15
118	Quantitative Retinal Vascular Changes in Obstructive Sleep Apnea. <i>American Journal of Ophthalmology</i> , <b>2017</b> , 182, 72-80	4.9	15

117	Closure of fornix-based posttrabeculectomy conjunctival wound leaks with autologous fibrin glue. <i>American Journal of Ophthalmology</i> , <b>1992</b> , 114, 221-2	4.9	15
116	Retinoid x receptor modulation protects against ER stress response and rescues glaucoma phenotypes in adult mice. <i>Experimental Neurology</i> , <b>2019</b> , 314, 111-125	5.7	14
115	Cell Cycle Deficits in Neurodegenerative Disorders: Uncovering Molecular Mechanisms to Drive Innovative Therapeutic Development <b>2020</b> , 11, 946-966		14
114	Reliability of VEP Recordings Using Chronically Implanted Screw Electrodes in Mice. <i>Translational Vision Science and Technology</i> , <b>2015</b> , 4, 15	3.3	14
113	Dichoptic stimulation improves detection of glaucoma with multifocal visual evoked potentials. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4590-6		14
112	Myocilin Gene Gln368Ter Variant Penetrance and Association With Glaucoma in Population-Based and Registry-Based Studies. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 28-35	3.9	14
111	Reproducibility of multifocal VEP latency using different stimulus presentations. <i>Documenta Ophthalmologica</i> , <b>2012</b> , 125, 43-9	2.2	13
110	Identifying preperimetric functional loss in glaucoma: a blue-on-yellow multifocal visual evoked potentials study. <i>Ophthalmology</i> , <b>2009</b> , 116, 1134-41	7.3	13
109	Does a family history of glaucoma affect disease severity at the time of diagnosis?. <i>Journal of Glaucoma</i> , <b>2003</b> , 12, 31-5	2.1	13
108	Comparison of clinical optic disc assessment with tests of early visual field loss. <i>Clinical and Experimental Ophthalmology</i> , <b>2002</b> , 30, 338-42	2.4	13
107	Effect of stimulus check size on multifocal visual evoked potentials. <i>Documenta Ophthalmologica</i> , <b>2003</b> , 106, 183-8	2.2	13
106	Electrophysiology: a review of signal origins and applications to investigating glaucoma. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1998</b> , 26, 71-85		13
105	Non-invasive estimation of cerebrospinal fluid pressure waveforms by means of retinal venous pulsatility and central aortic blood pressure. <i>Annals of Biomedical Engineering</i> , <b>2012</b> , 40, 1940-8	4.7	12
104	Hemodynamic interactions in the eye: a review. <i>Ophthalmologica</i> , <b>2012</b> , 228, 214-21	3.7	12
103	A comparison of global indices between the Medmont Automated Perimeter and the Humphrey Field Analyzer. <i>British Journal of Ophthalmology</i> , <b>2007</b> , 91, 1285-7	5.5	12
102	An Intraocular Pressure Polygenic Risk Score Stratifies Multiple Primary Open-Angle Glaucoma Parameters Including Treatment Intensity. <i>Ophthalmology</i> , <b>2020</b> , 127, 901-907	7.3	12
101	Molecular docking, dynamics, and pharmacology studies on bexarotene as an agonist of ligand-activated transcription factors, retinoid X receptors. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 11745	4.7	11
100	Gaussian wavelet transform and classifier to reliably estimate latency of multifocal visual evoked potentials (mfVEP). <i>Vision Research</i> , <b>2012</b> , 52, 79-87	2.1	11



99	Relationship of change in central corneal thickness to visual field progression in eyes with glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 251, 1593-9	3.8	11
98	Contribution of Mutations in Known Mendelian Glaucoma Genes to Advanced Early-Onset Primary Open-Angle Glaucoma <b>2017</b> , 58, 1537-1544		11
97	Characterizing dynamic properties of retinal vessels in the rat eye using high speed imaging. <i>Microvascular Research</i> , <b>2014</b> , 92, 56-61	3.7	11
96	Contrast Sensitivity for Flickering and Static Letters and Visual Acuity at Isoluminance in Glaucoma. <i>Journal of Glaucoma</i> , <b>1996</b> , 5, 156-169	2.1	11
95	Correlation of retinal nerve fibre layer thickness and spontaneous retinal venous pulsations in glaucoma and normal controls. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128433	3.7	11
94	Corneal Stiffness Parameters Are Predictive of Structural and Functional Progression in Glaucoma Suspect Eyes. <i>Ophthalmology</i> , <b>2021</b> , 128, 993-1004	7.3	11
93	DNA methylation at the 9p21 glaucoma susceptibility locus is associated with normal-tension glaucoma. <i>Ophthalmic Genetics</i> , <b>2018</b> , 39, 221-227	1.2	10
92	Lesion activity and chronic demyelination are the major determinants of brain atrophy in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2019</b> , 6,	9.1	10
91	Comparison of visual field sensitivities between the Medmont automated perimeter and the Humphrey field analyser. <i>Clinical and Experimental Ophthalmology</i> , <b>2010</b> , 38, 273-6	2.4	10
90	Effect of pupil size on multifocal pattern visual evoked potentials. <i>Clinical and Experimental Ophthalmology</i> , <b>2003</b> , 31, 354-6	2.4	10
89	Cardiovascular Disease Predicts Structural and Functional Progression in Early Glaucoma. <i>Ophthalmology</i> , <b>2021</b> , 128, 58-69	7.3	10
88	Correlation of structural retinal nerve fibre layer parameters and functional measures using Heidelberg Retinal Tomography and Spectralis spectral domain optical coherence tomography at different levels of glaucoma severity. <i>Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 40, 802-12	2.4	9
87	Ophthalmological consequences of cyanotic congenital heart disease: vascular parameters and nerve fibre layer. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 115-23	2.4	9
86	Biomedical signal acquisition with streaming wireless communication for recording evoked potentials. <i>Documenta Ophthalmologica</i> , <b>2012</b> , 125, 149-59	2.2	9
85	Minimising retinal vessel artefacts in optical coherence tomography images. <i>Computer Methods and Programs in Biomedicine</i> , <b>2011</b> , 104, 206-11	6.9	9
84	Chronic demyelination exacerbates neuroaxonal loss in patients with MS with unilateral optic neuritis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2020</b> , 7,	9.1	9
83	Retinal proteomics of experimental glaucoma model reveal intraocular pressure-induced mediators of neurodegenerative changes. <i>Journal of Cellular Biochemistry</i> , <b>2020</b> , 121, 4931	4.7	9
82	Progressive Injury in Chronic Multiple Sclerosis Lesions Is Gender-Specific: A DTI Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149245	3.7	9

81	Axonal loss in a rat model of optic neuritis is closely correlated with visual evoked potential amplitudes using electroencephalogram-based scaling <b>2012</b> , 53, 3662		8
80	Effect of eccentricity on pattern-pulse multifocal VEP. <i>Documenta Ophthalmologica</i> , <b>2005</b> , 110, 209-18	2.2	8
79	Comparative Analysis of Aducanumab, Zagotenemab and Pioglitazone as Targeted Treatment Strategies for Alzheimer's Disease <b>2021</b> , 12, 1964-1976		8
78	Whole exome sequencing implicates eye development, the unfolded protein response and plasma membrane homeostasis in primary open-angle glaucoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172427	3.7	8
77	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 3759-3784	6.2	7
76	The dynamic response of intraocular pressure and ocular pulse amplitude to acute hemodynamic changes in normal and glaucomatous eyes <b>2013</b> , 54, 6960-7		7
75	Efficacy and safety of bimatoprost as replacement for latanoprost in patients with glaucoma or ocular hypertension: a uniocular switch study. <i>Journal of Glaucoma</i> , <b>2009</b> , 18, 582-8	2.1	7
74	A comparison of diagnostic protocols for interpretation of frequency doubling perimetry visual fields in glaucoma. <i>Journal of Glaucoma</i> , <b>2006</b> , 15, 310-4	2.1	7
73	Complement pathway in Alzheimer's pathology and retinal neurodegenerative disorders - the road ahead. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 257-258	4.5	7
72	Mitochondrial dysfunction in Alzheimer's disease - a proteomics perspective. <i>Expert Review of Proteomics</i> , <b>2021</b> , 18, 295-304	4.2	7
71	Prevalence and type of artefact with spectral domain optical coherence tomography macular ganglion cell imaging in glaucoma surveillance. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206684	3.7	7
70	Computational analysis unravels novel destructive single nucleotide polymorphisms in the non-synonymous region of human caveolin gene. <i>Gene Reports</i> , <b>2017</b> , 6, 142-157	1.4	6
69	Low-luminance contrast stimulation is optimal for early detection of glaucoma using multifocal visual evoked potentials <b>2011</b> , 52, 3744-50		6
68	Multifocal visual evoked responses to dichoptic stimulation using virtual reality goggles: Multifocal VER to dichoptic stimulation. <i>Documenta Ophthalmologica</i> , <b>2006</b> , 112, 189-99	2.2	6
67	Incomplete Reiter's syndrome with focal involvement of the posterior segment. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1995</b> , 23, 63-6		6
66	Carbohydrate ingestion induces sex-specific cardiac vagal inhibition, but not vascular sympathetic modulation, in healthy older women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R49-56	3.2	6
65	Diffusivity in the core of chronic multiple sclerosis lesions. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194142	3.7	6
64	Visual Evoked Potential Recording in a Rat Model of Experimental Optic Nerve Demyelination. <i>Journal of Visualized Experiments</i> , <b>2015</b> , e52934	1.6	5

63	Normal-tension glaucoma. <i>Journal of Glaucoma</i> , <b>2003</b> , 12, 164-6	2.1	5
62	Rare variants in optic disc area gene enriched in primary open-angle glaucoma. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2016</b> , 4, 624-633	2.3	5
61	Molecular determinants and interaction data of cyclic peptide inhibitor with the extracellular domain of TrkB receptor. <i>Data in Brief</i> , <b>2016</b> , 6, 776-82	1.2	5
60	Sex-Specific Effect of BDNF Val66Met Genotypes on the Progression of Open-Angle Glaucoma <b>2019</b> , 60, 1069-1075		4
59	Focus on molecules: Sphingosine 1 Phosphate (S1P). <i>Experimental Eye Research</i> , <b>2012</b> , 103, 119-20	3.7	4
58	Spontaneous retinal venous pulsatility in patients with cyanotic congenital heart disease. <i>Heart and Vessels</i> , <b>2012</b> , 27, 618-23	2.1	4
57	Selective nerve fibre loss in glaucoma: magnocellular or parvocellular. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1997</b> , 25, 189-91		4
56	The association between retinal vein pulsation pressure and optic disc haemorrhages in glaucoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182316	3.7	4
55	Expansion of chronic lesions is linked to disease progression in relapsing-remitting multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 27, 1533-1542	5	4
54	A Polygenic Risk Score Predicts Intraocular Pressure Readings Outside Office Hours and Early Morning Spikes as Measured by Home Tonometry. <i>Ophthalmology Glaucoma</i> , <b>2021</b> , 4, 411-420	2.2	3
53	Optimizing the Detection of Preperimetric Glaucoma by Combining Structural and Functional Tests <b>2015</b> , 56, 7794-7800		3
52	Visualization of orbital flow by means of phase contrast MRI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 3384-7	0.9	3
51	Non-invasive cerebrospinal fluid pressure estimation using multi-layer perceptron neural networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 5278-81	0.9	3
50	Interpretation of high-pass resolution perimetry with a probability plot. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>1995</b> , 233, 140-9	3.8	3
49	Amyloid-beta peptide neurotoxicity in human neuronal cells is associated with modulation of insulin-like growth factor transport, lysosomal machinery and extracellular matrix receptor interactions. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 2131-2142	4.5	3
48	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> , <b>2021</b> , 38, 186-191	2.2	3
47	Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0244766	3.7	3
46	Interferon-βs Less Effective Than Other Drugs in Controlling the Rate of Retinal Ganglion Cell Loss in MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , <b>2021</b> , 8,	9.1	3

45	Pathophysiological basis of low contrast visual acuity loss in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , <b>2018</b> , 5, 1505-1512	5.3	3
44	Carbohydrate ingestion induces differential autonomic dysregulation in normal-tension glaucoma and primary open angle glaucoma. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198432	3.7	3
43	Effect of phacoemulsification cataract surgery on intraocular pressure in early glaucoma: A prospective multi-site study. <i>Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 48, 442-449	2.4	2
42	High speed in-vivo imaging of retinal hemodynamics in a rodent model of hypertension. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 3243-3246	0.9	2
41	Bilateral Optic Atrophy from a Silent Occipital Lesion. <i>Ophthalmology</i> , <b>2019</b> , 126, 979	7.3	2
40	P4-222: Interaction with neuroserpin may be involved in the impairment of protease mediated amyloid clearance from the brain and retina <b>2015</b> , 11, P864-P865		2
39	Visual Evoked Potential Recording in Rodents. <i>NeuroMethods</i> , <b>2013</b> , 275-285	0.4	2
38	Effect of fixation tasks on multifocal visual evoked potentials. <i>Clinical and Experimental Ophthalmology</i> , <b>2005</b> , 33, 499-504	2.4	2
37	Effect of repeat use and coating defects of gold foil electrodes on electroretinogram recording. <i>Vision Research</i> , <b>1995</b> , 35, 2795-9	2.1	2
36	Non-invasive Estimation of Intracranial Pressure by Means of Retinal Venous Pulsatility. <i>IFMBE Proceedings</i> , <b>2010</b> , 81-84	0.2	2
35	Association Between BDNF Val66Met Polymorphism and Optic Neuritis Damage in Neuromyelitis Optica Spectrum Disorder. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 1236	5.1	2
34	Identification of Novel Cathepsin B Inhibitors with Implications in Alzheimer's Disease: Computational Refining and Biochemical Evaluation. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
33	A Proteomic View of Cellular and Molecular Effects of Cannabis. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
32	Computational refinement identifies functional destructive single nucleotide polymorphisms associated with human retinoid X receptor gene.. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-21	3.6	2
31	Determination of retinal nerve fibre layer and ganglion cell/inner plexiform layers progression rates using two optical coherence tomography systems: The PROGRESSA study. <i>Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 48, 915-926	2.4	1
30	Electrophysiology in Glaucoma Assessment <b>2015</b> , 149-168		1
29	Dichoptic suppression of mfVEP amplitude: effect of retinal eccentricity and simulated unilateral visual impairment <b>2010</b> , 51, 6549-55		1
28	Cryotherapy to close a corneal subepithelial aqueous track after trabeculectomy. <i>Australian and New Zealand Journal of Ophthalmology</i> , <b>1993</b> , 21, 127-9		1

27	Retinoid X Receptor: Cellular and Biochemical Roles of Nuclear Receptor with a Focus on Neuropathological Involvement.. <i>Molecular Neurobiology</i> , <b>2022</b> , 1	6.2	1
26	Efficient capture of high-quality real-world data on treatments for glaucoma: the Fight Glaucoma Blindness! Registry. <i>BMJ Open Ophthalmology</i> , <b>2021</b> , 6, e000903	3.2	1
25	Mouse model of Alzheimer's disease demonstrates differential effects of early disease pathology on various brain regions. <i>Proteomics</i> , <b>2021</b> , 21, e2000213	4.8	1
24	The impact of continuous positive airway pressure treatment on retinal vascular changes in obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , 17, 983-991	3.1	1
23	Trans-synaptic degeneration in the visual pathway: Neural connectivity, pathophysiology, and clinical implications in neurodegenerative disorders. <i>Survey of Ophthalmology</i> , <b>2021</b> ,	6.1	1
22	Inner retinal injury in experimental glaucoma is prevented upon AAV mediated Shp2 silencing in a caveolin dependent manner. <i>Theranostics</i> , <b>2021</b> , 11, 6154-6172	12.1	1
21	Use baseline axial length measurements in myopic patients to predict the control of myopia with and without atropine 0.01. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254061	3.7	1
20	Expansion of chronic MS lesions is associated with an increase of radial diffusivity in periplaque white matter. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 13524585211033464	5	1
19	The expansion and severity of chronic MS lesions follows a periventricular gradient.. <i>Multiple Sclerosis Journal</i> , <b>2022</b> , 13524585221080667	5	1
18	Recurrent Optic Disc Hemorrhage and Its Association with Visual Field Deterioration in Glaucoma. <i>Ophthalmology Glaucoma</i> , <b>2020</b> , 3, 443-452	2.2	0
17	Role of Multifocal Visually Evoked Potential as a Biomarker of Demyelination, Spontaneous Remyelination, and Myelin Repair in Multiple Sclerosis. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 725187	5.1	0
16	Neuroserpin, a crucial regulator for axogenesis, synaptic modelling and cell-cell interactions in the pathophysiology of neurological disease.. <i>Cellular and Molecular Life Sciences</i> , <b>2022</b> , 79, 172	10.3	0
15	The APOE E4 allele is associated with faster rates of neuroretinal thinning in a prospective cohort study of suspect and early glaucoma. <i>Ophthalmology Science</i> , <b>2022</b> , 100159		0
14	Reply. <i>Ophthalmology</i> , <b>2019</b> , 126, e64-e65	7.3	
13	The Visual Evoked Potential in Humans. <i>Neuromethods</i> , <b>2013</b> , 287-299	0.4	
12	Frequency dependent transmission characteristics between arterial blood pressure and intracranial pressure in rats. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 5614-7	0.9	
11	Effect of check size and stimulation rate on blue-yellow multifocal visual evoked potentials. <i>Clinical and Experimental Ophthalmology</i> , <b>2004</b> , 32, 270-4	2.4	
10	Genetic Risk of Cardiovascular Disease Is Associated with Macular Ganglion Cell Inner Plexiform Layer Thinning in an Early Glaucoma Cohort. <i>Ophthalmology Science</i> , <b>2022</b> , 2, 100108		

- 9 Analysis of Multifocal Visual Evoked Potentials Using Artificial Intelligence Algorithms..  
*Translational Vision Science and Technology*, **2022**, 11, 10 3-3
- 8 Artificial Intelligence and Glaucoma. *Current Practices in Ophthalmology*, **2021**, 75-89 o
- 7 Aging, brain-derived neurotrophic factor (BDNF) and its Val66Met polymorphism: a focus on neuropsychology, the visual system, and brain structures **2021**, 17-25
- 6 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766
- 5 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766
- 4 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766
- 3 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766
- 2 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766
- 1 Differentiating axonal loss and demyelination in chronic MS lesions: A novel approach using single streamline diffusivity analysis **2021**, 16, e0244766