Michael Kalloniatis

List of Publications by Year in Descending Order

198 papers	3,747 citations	32 h-index	48 g-index
206 ext. papers	4,262 ext. citations	3.4 avg, IF	5.77 L-index

#	Paper	IF	Citations
198	Ocular ischaemia: signs, symptoms, and clinical considerations for primary eye care practitioners.. *Australasian journal of optometry, The*, **2022**, 1-18	2.7	0
197	Glaucoma Suspects: The Impact of Risk Factor-Driven Review Periods on Clinical Load, Diagnoses, and Healthcare Costs.. *Translational Vision Science and Technology*, **2022**, 11, 37	3.3	
196	Clinical decision support in primary care for better diagnosis and management of retinal disease.. *Australasian journal of optometry, The*, **2022**, 1-11	2.7	
195	The Frontloading Fields Study: The Impact of False Positives and Seeding Point Errors on Visual Field Reliability When Using SITA-Faster.. *Translational Vision Science and Technology*, **2022**, 11, 20	3.3	1
194	Should clinical automated perimetry be considered for routine functional assessment of early/intermediate age-related macular degeneration (AMD)? A systematic review of current literature. *Ophthalmic and Physiological Optics*, **2022**, 42, 161-177	4.1	1
193	Visualisation of peripheral retinal degenerations and anomalies with ocular imaging.. *Seminars in Ophthalmology*, **2022**, 1-29	2.4	1
192	Clinical Evaluations of Macular Structure-Function Concordance With and Without Drasdo Displacement.. *Translational Vision Science and Technology*, **2022**, 11, 18	3.3	4
191	Multispectral pattern recognition measures change in drusen area in age-related macular degeneration with high congruency to expert graders.. *Scientific Reports*, **2022**, 12, 7442	4.9	
190	Prediction of Retinal Ganglion Cell Counts Considering Various Displacement Methods From OCT-Derived Ganglion Cell-Inner Plexiform Layer Thickness.. *Translational Vision Science and Technology*, **2022**, 11, 13	3.3	3
189	High-Density Optical Coherence Tomography Analysis Provides Insights Into Early/Intermediate Age-Related Macular Degeneration Retinal Layer Changes **2022**, 63, 36		3
188	Response to re: clinical outcomes of the Centre for Eye Health: an intra-professional optometry-led collaborative eye care clinic in Australia. *Australasian journal of optometry, The*, **2021**, 1-2	2.7	3
187	The Frontloading Fields Study (FFS): Detecting Changes in Mean Deviation in Glaucoma Using Multiple Visual Field Tests Per Clinical Visit. *Translational Vision Science and Technology*, **2021**, 10, 21	3.3	3
186	Location-Specific Thickness Patterns in Intermediate Age-Related Macular Degeneration Reveals Anatomical Differences in Multiple Retinal Layers **2021**, 62, 13		4
185	Headaches related to latanoprost in open-angle glaucoma. *Australasian journal of optometry, The*, **2021**, 104, 625-633	2.7	2
184	Radial Peripapillary Capillary Plexus Sparing and Underlying Retinal Vascular Impairment in Intermediate Age-Related Macular Degeneration **2021**, 62, 2		3
183	Topical Review: Assessment of Binocular Sensory Processes in Low Vision. *Optometry and Vision Science*, **2021**, 98, 310-325	2.1	1
182	Effects of stereopsis on vection, presence and cybersickness in head-mounted display (HMD) virtual reality. *Scientific Reports*, **2021**, 11, 12373	4.9	1

181	Classifying Retinal Degeneration in Histological Sections Using Deep Learning. *Translational Vision Science and Technology*, **2021**, 10, 9	3.3	0
180	A Strategy for Seeding Point Error Assessment for Retesting (SPEAR) in Perimetry Applied to Normal Subjects, Glaucoma Suspects, and Patients With Glaucoma. *American Journal of Ophthalmology*, **2021**, 221, 115-130	4.9	8
179	Authors' reply. *Ophthalmic and Physiological Optics*, **2021**, 41, 203-204	4.1	
178	Management of open-angle glaucoma by primary eye-care practitioners: toward a personalised medicine approach. *Australasian journal of optometry, The*, **2021**, 104, 367-384	2.7	9
177	A combined convolutional and recurrent neural network for enhanced glaucoma detection. *Scientific Reports*, **2021**, 11, 1945	4.9	22
176	Clinical outcomes of the Centre for Eye Health: an intra-professional optometry-led collaborative eye care clinic in Australia. *Australasian journal of optometry, The*, **2021**, 104, 795-804	2.7	13
175	Vision Impairment Provides New Insight Into Self-Motion Perception **2021**, 62, 4		1
174	The performance and confidence of clinicians in training in the analysis of ophthalmic images within a work-integrated teaching model. *Ophthalmic and Physiological Optics*, **2021**, 41, 768-781	4.1	
173	Clinical Trial: Diurnal IOP Fluctuations in Glaucoma Using Latanoprost and Timolol with Self-Tonometry. *Optometry and Vision Science*, **2021**, 98, 901-913	2.1	1
172	Patient and technician perspectives following the introduction of frontloaded visual field testing in glaucoma assessment. *Australasian journal of optometry, The*, **2021**, 1-7	2.7	2
171	Using Updated PubMed: New Features and Functions to Enhance Literature Searches. *JAMA - Journal of the American Medical Association*, **2021**, 326, 479-480	27.4	3
170	Intra-session repeatability of anterior chamber depth across the chamber width using Pentacam Scheimpflug imaging in healthy subjects. *Ophthalmic and Physiological Optics*, **2021**, 41, 1273-1284	4.1	
169	Introduction of structured record keeping in age-related macular degeneration: a before and after study. *Australasian journal of optometry, The*, **2021**, 1-7	2.7	
168	Review of referrals reveal the impact of referral content on the triage and management of ophthalmology wait lists. *BMJ Open*, **2021**, 11, e047246	3	2
167	Deployment of the Water Drinking Test and iCare HOME Phasing for Intraocular Pressure Profiling in Glaucoma Evaluation. *Optometry and Vision Science*, **2021**, 98, 1321-1331	2.1	0
166	Viability of Performing Multiple 24-2 Visual Field Examinations at the Same Clinical Visit: The Frontloading Fields Study (FFS). *American Journal of Ophthalmology*, **2021**, 230, 48-59	4.9	5
165	Comparison of 10-2 and 24-2C Test Grids for Identifying Central Visual Field Defects in Glaucoma and Suspect Patients. *Ophthalmology*, **2021**, 128, 1405-1416	7.3	3
164	Modelling normal age-related changes in individual retinal layers using location-specific OCT analysis. *Scientific Reports*, **2021**, 11, 558	4.9	7

163	Clinical utility of irx3 in keratoconus. *Australasian journal of optometry, The*, **2021**, 104, 107-114	2.7	1
162	Evaluation of a hospital-based integrated model of eye care for diabetic retinopathy assessment: a multimethod study. *BMJ Open*, **2020**, 10, e034699	3	3
161	A holistic model of low vision care for improving vision-related quality of life. *Australasian journal of optometry, The*, **2020**, 103, 733-741	2.7	9
160	Macula Ganglion Cell Thickness Changes Display Location-Specific Variation Patterns in Intermediate Age-Related Macular Degeneration **2020**, 61, 2		8
159	Determining Significant Elevation of Intraocular Pressure Using Self-tonometry. *Optometry and Vision Science*, **2020**, 97, 86-93	2.1	7
158	Visualizing the Consistency of Clinical Characteristics that Distinguish Healthy Persons, Glaucoma Suspect Patients, and Manifest Glaucoma Patients. *Ophthalmology Glaucoma*, **2020**, 3, 274-287	2.2	9
157	Glaucoma Community Care: Does Ongoing Shared Care Work?. *International Journal of Integrated Care*, **2020**, 20, 5	2	6
156	Impact of referral refinement on management of glaucoma suspects in Australia. *Australasian journal of optometry, The*, **2020**, 103, 675-683	2.7	7
155	Multimodal imaging characteristics of congenital grouped hyper- and hypo-pigmented fundus lesions. *Australasian journal of optometry, The*, **2020**, 103, 641-647	2.7	1
154	Normal aging changes in the choroidal angioarchitecture of the macula. *Scientific Reports*, **2020**, 10, 10810	4.9	7
153	Cluster analysis reveals patterns of age-related change in anterior chamber depth for gender and ethnicity: clinical implications. *Ophthalmic and Physiological Optics*, **2020**, 40, 632-649	4.1	11
152	Ability of 24-2C and 24-2 Grids to Identify Central Visual Field Defects and Structure-Function Concordance in Glaucoma and Suspects. *American Journal of Ophthalmology*, **2020**, 219, 317-331	4.9	16
151	Custom extraction of macular ganglion cell-inner plexiform layer thickness more precisely co-localizes structural measurements with visual fields test grids. *Scientific Reports*, **2020**, 10, 18527	4.9	4
150	Validation of a novel functional test for assessing metamorphopsia using epiretinal membranes as a model. *Scientific Reports*, **2020**, 10, 14938	4.9	1
149	Assessment of angle closure spectrum disease as a continuum of change using gonioscopy and anterior segment optical coherence tomography. *Ophthalmic and Physiological Optics*, **2020**, 40, 617-631	4.1	1
148	A collaborative care pathway for patients with suspected angle closure glaucoma spectrum disease. *Australasian journal of optometry, The*, **2020**, 103, 212-219	2.7	12
147	Modeling Changes in Corneal Parameters With Age: Implications for Corneal Disease Detection. *American Journal of Ophthalmology*, **2020**, 209, 117-131	4.9	6
146	Vascular Changes in Intermediate Age-Related Macular Degeneration Quantified Using Optical Coherence Tomography Angiography. *Translational Vision Science and Technology*, **2019**, 8, 20	3.3	17

145	Clinical Evaluation of Swedish Interactive Thresholding Algorithm-Faster Compared With Swedish Interactive Thresholding Algorithm-Standard in Normal Subjects, Glaucoma Suspects, and Patients With Glaucoma. *American Journal of Ophthalmology*, **2019**, 208, 251-264	4.9	28
144	Contrast sensitivity isocontours of the central visual field. *Scientific Reports*, **2019**, 9, 11603	4.9	7
143	Development of a Spatial Model of Age-Related Change in the Macular Ganglion Cell Layer to Predict Function From Structural Changes. *American Journal of Ophthalmology*, **2019**, 208, 166-177	4.9	23
142	Optimising the Structure-Function Relationship at the Locus of Deficit in Retinal Disease. *Frontiers in Neuroscience*, **2019**, 13, 306	5.1	6
141	An evidence-based approach to the routine use of optical coherence tomography. *Australasian journal of optometry, The*, **2019**, 102, 242-259	2.7	15
140	Remote Grading of the Anterior Chamber Angle Using Goniophotographs and Optical Coherence Tomography: Implications for Telemedicine or Virtual Clinics. *Translational Vision Science and Technology*, **2019**, 8, 16	3.3	10
139	Analysis of OCT Images to Optimize Glaucoma Diagnosis **2019**,		1
138	Anterior Chamber Angle Evaluation Using Gonioscopy: Consistency and Agreement between Optometrists and Ophthalmologists. *Optometry and Vision Science*, **2019**, 96, 751-760	2.1	14
137	Rod-cone crossover connectome of mammalian bipolar cells. *Journal of Comparative Neurology*, **2019**, 527, 87-116	3.4	15
136	Implementing collaborative care for glaucoma patients and suspects in Australia. *Clinical and Experimental Ophthalmology*, **2018**, 46, 826-828	2.4	19
135	Diurnal Intraocular Pressure Fluctuations with Self-tonometry in Glaucoma Patients and Suspects: A Clinical Trial. *Optometry and Vision Science*, **2018**, 95, 88-95	2.1	26
134	Advanced imaging for the diagnosis of age-related macular degeneration: a case vignettes study. *Australasian journal of optometry, The*, **2018**, 101, 243-254	2.7	11
133	Retinal Nerve Fiber Layer Protrusion Associated with Tilted Optic Discs. *Optometry and Vision Science*, **2018**, 95, 239-246	2.1	0
132	The impact of optic nerve and related characteristics on disc area measurements derived from different imaging techniques. *PLoS ONE*, **2018**, 13, e0190273	3.7	3
131	Lesion detection in ultra-wide field retinal images for diabetic retinopathy diagnosis **2018**,		2
130	Vinpocetine protects inner retinal neurons with functional NMDA glutamate receptors against retinal ischemia. *Experimental Eye Research*, **2018**, 167, 1-13	3.7	5
129	Developing prognostic biomarkers in intermediate age-related macular degeneration: their clinical use in predicting progression. *Australasian journal of optometry, The*, **2018**, 101, 172-181	2.7	10
128	Consistency of Structure-Function Correlation Between Spatially Scaled Visual Field Stimuli and In Vivo OCT Ganglion Cell Counts **2018**, 59, 1693-1703		23

127	Neutralizing Peripheral Refraction Eliminates Refractive Scotomata in Tilted Disc Syndrome. *Optometry and Vision Science*, **2018**, 95, 959-970	2.1	4
126	Retinal Thickness Changes throughout the Natural History of Drusen in Age-related Macular Degeneration. *Optometry and Vision Science*, **2018**, 95, 648-655	2.1	12
125	Differences in Static and Kinetic Perimetry Results are Eliminated in Retinal Disease when Psychophysical Procedures are Equated. *Translational Vision Science and Technology*, **2018**, 7, 22	3.3	5
124	Peripheral retinal findings in populations with macular disease are similar to healthy eyes. *Ophthalmic and Physiological Optics*, **2018**, 38, 584-595	4.1	7
123	Application of Pattern Recognition Analysis to Optimize Hemifield Asymmetry Patterns for Early Detection of Glaucoma. *Translational Vision Science and Technology*, **2018**, 7, 3	3.3	8
122	A Method Using Goldmann Stimulus Sizes I to V-Measured Sensitivities to Predict Lead Time Gained to Visual Field Defect Detection in Early Glaucoma. *Translational Vision Science and Technology*, **2018**, 7, 17	3.3	10
121	Multispectral Pattern Recognition Reveals a Diversity of Clinical Signs in Intermediate Age-Related Macular Degeneration **2018**, 59, 1790-1799		6
120	How Many Subjects are Needed for a Visual Field Normative Database? A Comparison of Ground Truth and Bootstrapped Statistics. *Translational Vision Science and Technology*, **2018**, 7, 1	3.3	8
119	Reducing Spatial Uncertainty Through Attentional Cueing Improves Contrast Sensitivity in Regions of the Visual Field With Glaucomatous Defects. *Translational Vision Science and Technology*, **2018**, 7, 8	3.3	16
118	A Deep Learning-Based Algorithm Identifies Glaucomatous Discs Using Monoscopic Fundus Photographs. *Ophthalmology Glaucoma*, **2018**, 1, 15-22	2.2	46
117	A comparison of Goldmann III, V and spatially equated test stimuli in visual field testing: the importance of complete and partial spatial summation. *Ophthalmic and Physiological Optics*, **2017**, 37, 160-176	4.1	25
116	Automatic detection of diabetic retinopathy features in ultra-wide field retinal images **2017**,		1
115	Self-reported optometric practise patterns in age-related macular degeneration. *Australasian journal of optometry, The*, **2017**, 100, 718-728	2.7	9
114	Pre-treatment with vinpocetine protects against retinal ischemia. *Experimental Eye Research*, **2017**, 154, 126-138	3.7	4
113	The advantages of intermediate-tier, inter-optometric referral of low risk pigmented lesions. *Ophthalmic and Physiological Optics*, **2017**, 37, 661-668	4.1	7
112	Pattern Recognition Analysis Reveals Unique Contrast Sensitivity Isocontours Using Static Perimetry Thresholds Across the Visual Field **2017**, 58, 4863-4876		25
111	Pattern Recognition Analysis of Age-Related Retinal Ganglion Cell Signatures in the Human Eye **2017**, 58, 3086-3099		26
110	Reconciling visual field defects and retinal nerve fibre layer asymmetric patterns in retrograde degeneration: an extended case series. *Australasian journal of optometry, The*, **2017**, 100, 214-226	2.7	9

109	Fundus Autofluorescence in Age-related Macular Degeneration. *Optometry and Vision Science*, **2017**, 94, 246-259	2.1	25
108	The value of visual field testing in the era of advanced imaging: clinical and psychophysical perspectives. *Australasian journal of optometry, The*, **2017**, 100, 313-332	2.7	45
107	Repeatability of Heidelberg Retinal Tomography 3 and effect of alignment algorithm on glaucoma suspects. *Australasian journal of optometry, The*, **2017**, 100, 41-48	2.7	
106	Macromolecular markers in normal human retina and applications to human retinal disease. *Experimental Eye Research*, **2016**, 150, 135-48	3.7	12
105	Using the rd1 mouse to understand functional and anatomical retinal remodelling and treatment implications in retinitis pigmentosa: A review. *Experimental Eye Research*, **2016**, 150, 106-21	3.7	38
104	Physiologic statokinetic dissociation is eliminated by equating static and kinetic perimetry testing procedures. *Journal of Vision*, **2016**, 16, 5	0.4	10
103	The Effect of Attentional Cueing and Spatial Uncertainty in Visual Field Testing. *PLoS ONE*, **2016**, 11, e0150922	3.7	15
102	Determining Spatial Summation and Its Effect on Contrast Sensitivity across the Central 20 Degrees of Visual Field. *PLoS ONE*, **2016**, 11, e0158263	3.7	14
101	Equating spatial summation in visual field testing reveals greater loss in optic nerve disease. *Ophthalmic and Physiological Optics*, **2016**, 36, 439-52	4.1	19
100	Collaborative care of non-urgent macular disease: a study of inter-optometric referrals. *Ophthalmic and Physiological Optics*, **2016**, 36, 632-642	4.1	15
99	Infrared reflectance imaging in age-related macular degeneration. *Ophthalmic and Physiological Optics*, **2016**, 36, 303-16	4.1	23
98	Spatial summation across the central visual field: implications for visual field testing. *Journal of Vision*, **2015**, 15, 15.1.6	0.4	22
97	Vinpocetine modulates metabolic activity and function during retinal ischemia. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C737-49	5.4	10
96	Cirrus HD-OCT short-term repeatability of clinical retinal nerve fiber layer measurements. *Optometry and Vision Science*, **2015**, 92, 83-8	2.1	5
95	Therapeutic endorsement enhances compliance with national glaucoma guidelines in Australian and New Zealand optometrists. *Ophthalmic and Physiological Optics*, **2015**, 35, 212-24	4.1	9
94	Influence of education and diagnostic modes on glaucoma assessment by optometrists. *Ophthalmic and Physiological Optics*, **2015**, 35, 682-98	4.1	12
93	Clinical model assisting with the collaborative care of glaucoma patients and suspects. *Clinical and Experimental Ophthalmology*, **2015**, 43, 308-19	2.4	46
92	Pigmented Lesions of the Retinal Pigment Epithelium. *Optometry and Vision Science*, **2015**, 92, 844-57	2.1	8

91	OCT and Fundus Autofluorescence Enhances Visualization of White Dot Syndromes. *Optometry and Vision Science*, **2015**, 92, 642-53	2.1	4
90	Atypical Features of Fuchs Uveitis Syndrome. *Optometry and Vision Science*, **2015**, 92, e394-403	2.1	6
89	Standard Automated Perimetry: Determining Spatial Summation and Its Effect on Contrast Sensitivity Across the Visual Field **2015**, 56, 3565-76		28
88	In vivo quantification of retinal changes associated with drusen in age-related macular degeneration. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 1689-700		28
87	Inner retinal change in a novel rd1-FTL mouse model of retinal degeneration. *Frontiers in Cellular Neuroscience*, **2015**, 9, 293	6.1	10
86	The usefulness of multimodal imaging for differentiating pseudopapilloedema and true swelling of the optic nerve head: a review and case series. *Australasian journal of optometry, The*, **2015**, 98, 12-24	2.7	24
85	Vinpocetine regulates cation channel permeability of inner retinal neurons in the ischaemic retina. *Neurochemistry International*, **2014**, 66, 1-14	4.4	12
84	The value of clinical electrophysiology in the assessment of the eye and visual system in the era of advanced imaging. *Australasian journal of optometry, The*, **2014**, 97, 99-115	2.7	16
83	Sildenafil alters retinal function in mouse carriers of retinitis pigmentosa. *Experimental Eye Research*, **2014**, 128, 43-56	3.7	23
82	The short-sighted perspective of long-term eye health-care. *Australasian journal of optometry, The*, **2014**, 97, 565-7	2.7	6
81	Australian general medical practitioner referral pathways for people with different ocular conditions. *Australasian journal of optometry, The*, **2014**, 97, 152-9	2.7	6
80	Australian optometric and ophthalmologic referral pathways for people with age-related macular degeneration, diabetic retinopathy and glaucoma. *Australasian journal of optometry, The*, **2014**, 97, 248-55	2.7	12
79	Application of clinical techniques relevant for glaucoma assessment by optometrists: concordance with guidelines. *Ophthalmic and Physiological Optics*, **2014**, 34, 580-91	4.1	25
78	Age-related macular degeneration: linking clinical presentation to pathology. *Optometry and Vision Science*, **2014**, 91, 832-48	2.1	22
77	Amino acid signatures in the developing mouse retina. *International Journal of Developmental Neuroscience*, **2014**, 33, 62-80	2.7	7
76	Retinal amino acid neurochemistry in health and disease. *Australasian journal of optometry, The*, **2013**, 96, 310-32	2.7	26
75	Early remodeling of Müller cells in the rd/rd mouse model of retinal dystrophy. *Journal of Comparative Neurology*, **2013**, 521, 2439-53	3.4	21
74	Amino acid immunoreactivity in normal human retina and after brachytherapy. *Australasian journal of optometry, The*, **2013**, 96, 504-7	2.7	17

73	Metabolic profiling of the mouse retina using amino acid signatures: insight into developmental cell dispersion patterns. *Experimental Neurology*, **2013**, 250, 74-93	5.7	11
72	The effect of optical blur on central and peripheral word visual acuity. *Optometry and Vision Science*, **2013**, 90, 1443-9	2.1	
71	Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retina. *Visual Neuroscience*, **2013**, 30, 65-75	1.7	8
70	Mapping kainate activation of inner neurons in the rat retina. *Journal of Comparative Neurology*, **2013**, 521, 2416-38	3.4	15
69	Functional and neurochemical development in the normal and degenerating mouse retina. *Journal of Comparative Neurology*, **2013**, 521, 1251-67	3.4	40
68	Retinal amino acid neurochemistry of the southern hemisphere lamprey, Geotria australis. *PLoS ONE*, **2013**, 8, e58406	3.7	11
67	Retinal dysfunction, photoreceptor protein dysregulation and neuronal remodelling in the R6/1 mouse model of Huntington's disease. *Neurobiology of Disease*, **2012**, 45, 887-96	7.5	29
66	Functional activation of glutamate ionotropic receptors in the human peripheral retina. *Experimental Eye Research*, **2012**, 94, 71-84	3.7	16
65	Functional and anatomical remodeling in human retinal detachment. *Experimental Eye Research*, **2012**, 97, 73-89	3.7	24
64	Creatine transporter immunolocalization in aged human and detached retinas **2012**, 53, 1936-45		9
63	Alterations of glutamate, glutamine, and related amino acids in the anterior eye secondary to ischaemia and reperfusion. *Current Eye Research*, **2012**, 37, 633-43	2.9	7
62	Cellular localization of glutamate and glutamine metabolism and transport pathways in the rat ciliary epithelium **2011**, 52, 3345-53		11
61	Altered speeds and trajectories of neurons migrating in the ventricular and subventricular zones of the reeler neocortex. *Cerebral Cortex*, **2011**, 21, 1018-27	5.1	25
60	Reply to letter to the editor: comments on retinal metabolic state in P23H and normal retinas *American Journal of Physiology - Cell Physiology*, **2010**, 299, C186-C187	5.4	
59	Retinal metabolic state of the proline-23-histidine rat model of retinitis pigmentosa. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C764-74	5.4	19
58	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. *Documenta Ophthalmologica*, **2010**, 120, 67-86	2.2	42
57	Angiotensin type-1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. *Journal of Comparative Neurology*, **2010**, 518, 41-63	3.4	37
56	Oligodendrocyte positioning in cerebral cortex is independent of projection neuron layering. *Glia*, **2009**, 57, 1024-30	9	9

55	Functional remodeling of glutamate receptors by inner retinal neurons occurs from an early stage of retinal degeneration. *Journal of Comparative Neurology*, **2009**, 514, 473-91	3.4	60
54	Glutamate metabolic pathways and retinal function. *Journal of Neurochemistry*, **2009**, 111, 589-99	6	46
53	Characterization of the cystine/glutamate transporter in the outer plexiform layer of the vertebrate retina. *European Journal of Neuroscience*, **2008**, 28, 1491-502	3.5	18
52	Emergence of cellular markers and functional ionotropic glutamate receptors on tangentially dispersed cells in the developing mouse retina. *Journal of Comparative Neurology*, **2008**, 506, 506-23	3.4	21
51	Functional activation of glutamate ionotropic receptors in the developing mouse retina. *Journal of Comparative Neurology*, **2007**, 500, 923-41	3.4	29
50	Alterations in photoreceptor-bipolar cell signaling following ischemia/reperfusion in the rat retina. *Journal of Comparative Neurology*, **2007**, 505, 131-46	3.4	36
49	Metabolic and functional profiling of the normal rat retina. *Journal of Comparative Neurology*, **2007**, 505, 92-113	3.4	24
48	Metabolic and functional profiling of the ischemic/reperfused rat retina. *Journal of Comparative Neurology*, **2007**, 505, 114-30	3.4	35
47	Short- and long-term vertical diplopia secondary to blunt trauma. *Australasian journal of optometry, The*, **2007**, 90, 457-62	2.7	4
46	Light exposure causes functional changes in the retina: increased photoreceptor cation channel permeability, photoreceptor apoptosis, and altered retinal metabolic function. *Journal of Neurochemistry*, **2007**, 103, 714-24	6	21
45	Mapping glutamate responses in immunocytochemically identified neurons of the mouse retina. *Journal of Comparative Neurology*, **2006**, 494, 686-703	3.4	26
44	Layer positioning of late-born cortical interneurons is dependent on Reelin but not p35 signaling. *Journal of Neuroscience*, **2006**, 26, 1646-55	6.6	45
43	Excitation mapping with the organic cation AGB2+. *Vision Research*, **2005**, 45, 3454-68	2.1	39
42	Short- and long-term enzymatic regulation secondary to metabolic insult in the rat retina. *Journal of Neurochemistry*, **2005**, 92, 1350-62	6	15
41	Visual function: the problem with eccentricity. *Australasian journal of optometry, The*, **2005**, 88, 313-21	2.7	19
40	Creatine transporter localization in developing and adult retina: importance of creatine to retinal function. *American Journal of Physiology - Cell Physiology*, **2005**, 289, C1015-23	5.4	43
39	Early markers of retinal degeneration in rd/rd mice. *Molecular Vision*, **2005**, 11, 717-28	2.3	36
38	Retinal function loss after monocarboxylate transport inhibition. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 584-93		33

37	Localization of NMDA receptor subunits and mapping NMDA drive within the mammalian retina. *Visual Neuroscience*, **2004**, 21, 587-97	1.7	56
36	Monocarboxylate transport inhibition alters retinal function and cellular amino acid levels. *European Journal of Neuroscience*, **2004**, 20, 1525-37	3.5	22
35	Retinitis pigmentosa: understanding the clinical presentation, mechanisms and treatment options. *Australasian journal of optometry, The*, **2004**, 87, 65-80	2.7	69
34	Quantification of amino acid neurochemistry secondary to NMDA or betaxolol application. *Clinical and Experimental Ophthalmology*, **2004**, 32, 505-17	2.4	6
33	Inner retinal neurons display differential responses to N-methyl-D-aspartate receptor activation. *Journal of Comparative Neurology*, **2003**, 465, 38-56	3.4	37
32	Correlating retinal function and amino acid immunocytochemistry following post-mortem ischemia. *Experimental Eye Research*, **2003**, 77, 125-36	3.7	20
31	The contribution of glycolytic and oxidative pathways to retinal photoreceptor function. *Investigative Ophthalmology and Visual Science*, **2003**, 44, 2708-15		30
30	Retinal neurochemical changes following application of glutamate as a metablolic substrate. *Australasian journal of optometry, The*, **2002**, 85, 27-36	2.7	11
29	Mapping photoreceptor and postreceptoral labelling patterns using a channel permeable probe (agmatine) during development in the normal and RCS rat retina. *Visual Neuroscience*, **2002**, 19, 61-70	1.7	28
28	Cellular dispersion patterns and phenotypes in the developing mouse superior colliculus. *Developmental Biology*, **2002**, 241, 117-31	3.1	20
27	Left--right word recognition asymmetries in central and peripheral vision. *Vision Research*, **2002**, 42, 1583-92	2.1	16
26	Cellular diversity in mouse neocortex revealed by multispectral analysis of amino acid immunoreactivity. *Cerebral Cortex*, **2001**, 11, 679-90	5.1	16
25	Localization of amino acid neurotransmitters following in vitro ischemia and anoxia in the rat retina. *Visual Neuroscience*, **2001**, 18, 413-27	1.7	33
24	Word acuity threshold as a function of contrast and retinal eccentricity. *Optometry and Vision Science*, **2001**, 78, 914-9	2.1	8
23	Endogenous IGF-1 regulates the neuronal differentiation of adult stem cells. *Journal of Neuroscience Research*, **2000**, 59, 332-41	4.4	102
22	Characterisation of dark adaptation in human cone pathways: an application of the equivalent background hypothesis. *Journal of Physiology*, **2000**, 528, 591-608	3.9	17
21	Reduced glutamate uptake by retinal glial cells under ischemic/hypoxic conditions. *Visual Neuroscience*, **1999**, 16, 149-58	1.7	63
20	Neurochemical changes following postmortem ischemia in the rat retina. *Visual Neuroscience*, **1999**, 16, 1169-80	1.7	40

19	Characteristics of anisometropic suppression: simple reaction time measurements. *Perception & Psychophysics*, **1998**, 60, 491-502		16
18	Separate progenitors for radial and tangential cell dispersion during development of the cerebral neocortex. *Neuron*, **1998**, 21, 295-304	13.9	207
17	L and M cone input into spectral sensitivity functions: a reanalysis. *Vision Research*, **1997**, 37, 799-811	2.1	4
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