Toshihide Kurihara

List of Publications by Year in Descending Order

243 papers	8,412 citations	53 h-index	83 g-index
255 ext. papers	9,800 ext. citations	5.1 avg, IF	5.88 L-index

#	Paper	IF	Citations
243	Degeneration of retinal ganglion cells in hypoxic responses: hypoxia-inducible factor inhibition, a new therapeutic insight.. *Neural Regeneration Research*, **2022**, 17, 2230-2231	4.5	
242	Relationship of choroidal thickness and axial length with posterior vitreous detachment in patients with high myopia.. *Scientific Reports*, **2022**, 12, 4093	4.9	0
241	Lipidomic analysis revealed n-3 polyunsaturated fatty acids suppressed choroidal thinning and myopia progression in mice.. *FASEB Journal*, **2022**, 36, e22312	0.9	0
240	PPAR Modulation-Based Therapy in Central Nervous System Diseases. *Life*, **2021**, 11,	3	3
239	Effect of Violet Light-Transmitting Eyeglasses on Axial Elongation in Myopic Children: A Randomized Controlled Trial. *Journal of Clinical Medicine*, **2021**, 10,	5.1	2
238	Retinal Diseases Regulated by Hypoxia-Basic and Clinical Perspectives: A Comprehensive Review. *Journal of Clinical Medicine*, **2021**, 10,	5.1	1
237	Updates on the Current Treatments for Diabetic Retinopathy and Possibility of Future Oral Therapy. *Journal of Clinical Medicine*, **2021**, 10,	5.1	3
236	Long-term follow-up of a Chinese patient with -retinopathy. *Ophthalmic Genetics*, **2021**, 42, 144-149	1.2	
235	Risk of newly developing visual field defect and neurodegeneration after pars plana vitrectomy for idiopathic epiretinal membrane. *British Journal of Ophthalmology*, **2021**, 105, 1683-1687	5.5	0
234	Clinical outcomes of KeraVio using violet light: emitting glasses and riboflavin drops for corneal ectasia: a pilot study. *British Journal of Ophthalmology*, **2021**, 105, 1376-1382	5.5	3
233	Fenofibrate Protects against Retinal Dysfunction in a Murine Model of Common Carotid Artery Occlusion-Induced Ocular Ischemia. *Pharmaceuticals*, **2021**, 14,	5.2	6
232	Randomized, crossover clinical efficacy trial in humans and mice on tear secretion promotion and lacrimal gland protection by molecular hydrogen. *Scientific Reports*, **2021**, 11, 6434	4.9	
231	Two case reports of continued progression of chronic ocular graft-versus-host disease without concurrent systemic comorbidities treated by amniotic membrane transplantation. *BMC Ophthalmology*, **2021**, 21, 164	2.3	1
230	Violet light suppresses lens-induced myopia via neuropsin (OPN5) in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	11
229	Assessment of Hypofluorescent Foci on Late-Phase Indocyanine Green Angiography in Central Serous Chorioretinopathy. *Journal of Clinical Medicine*, **2021**, 10,	5.1	1
228	ADIPOR1 deficiency-induced suppression of retinal ELOVL2 and docosahexaenoic acid levels during photoreceptor degeneration and visual loss. *Cell Death and Disease*, **2021**, 12, 458	9.8	3
227	Combination of violet light irradiation and collagenase treatments in a rabbit model. *International Ophthalmology*, **2021**, 41, 3471-3478	2.2	

226	Retinal dysfunction induced in a mouse model of unilateral common carotid artery occlusion. *PeerJ*, **2021**, 9, e11665	3.1	6
225	Iris metastasis as the initial presentation of metastatic esophageal cancer diagnosed by fine needle aspiration biopsy: A case report. *Medicine (United States)*, **2021**, 100, e26232	1.8	0
224	Inhibition of the HIF-1/BNIP3 pathway has a retinal neuroprotective effect. *FASEB Journal*, **2021**, 35, e21829	0.9	3
223	Spatial Functional Characteristics of East Asian Patients With Occult Macular Dystrophy (Miyake Disease); EAOMD Report No. 2. *American Journal of Ophthalmology*, **2021**, 221, 169-180	4.9	5
222	Closure of macular hole secondary to ischemic hemi-central retinal vein occlusion by retinal photocoagulation and topical anti-inflammatory treatment. *Lasers in Medical Science*, **2021**, 36, 469-471	3.1	1
221	Intake of Vegetables and Fruits and the Risk of Cataract Incidence in a Japanese Population: The Japan Public Health Center-Based Prospective Study. *Journal of Epidemiology*, **2021**, 31, 21-29	3.4	2
220	HIF Inhibition Therapy in Ocular Diseases. *Keio Journal of Medicine*, **2021**,	1.6	7
219	Efficacy and safety of 0.01% atropine for prevention of childhood myopia in a 2-year randomized placebo-controlled study. *Japanese Journal of Ophthalmology*, **2021**, 65, 315-325	2.6	16
218	Neuroprotective Effect of 4-Phenylbutyric Acid against Photo-Stress in the Retina. *Antioxidants*, **2021**, 10,	7.1	1
217	Association between ocular axial length and anthropometrics of Asian adults. *BMC Research Notes*, **2021**, 14, 328	2.3	0
216	Pemafibrate Prevents Retinal Dysfunction in a Mouse Model of Unilateral Common Carotid Artery Occlusion. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
215	Glucose levels between the anterior chamber of the eye and blood are correlated based on blood glucose dynamics. *PLoS ONE*, **2021**, 16, e0256986	3.7	0
214	Retinal Degeneration in a Murine Model of Retinal Ischemia by Unilateral Common Carotid Artery Occlusion.. *BioMed Research International*, **2021**, 2021, 7727648	3	0
213	Oral Bovine Milk Lactoferrin Administration Suppressed Myopia Development through Matrix Metalloproteinase 2 in a Mouse Model. *Nutrients*, **2020**, 12,	6.7	3
212	The Area and Number of Intraretinal Cystoid Spaces Predict the Visual Outcome after Ranibizumab Monotherapy in Diabetic Macular Edema. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
211	Clinical and Genetic Characteristics of 18 Patients from 13 Japanese Families with CRX-associated retinal disorder: Identification of Genotype-phenotype Association. *Scientific Reports*, **2020**, 10, 9531	4.9	6
210	Macular Pigment Optical Density and Photoreceptor Outer Segment Length as Predisease Biomarkers for Age-Related Macular Degeneration. *Journal of Clinical Medicine*, **2020**, 9,	5.1	7
209	Lactoferrin Has a Therapeutic Effect HIF Inhibition in a Murine Model of Choroidal Neovascularization. *Frontiers in Pharmacology*, **2020**, 11, 174	5.6	9

208	Low-carbohydrate-diet scores and the risk of primary open-angle glaucoma: data from three US cohorts. *Eye*, **2020**, 34, 1465-1475	4.4	3
207	Ratio of Axial Length to Corneal Radius in Japanese Patients and Accuracy of Intraocular Lens Power Calculation Based on Biometric Data. *American Journal of Ophthalmology*, **2020**, 218, 320-329	4.9	2
206	Clinical and Genetic Characteristics of 15 Affected Patients From 12 Japanese Families with -Associated Retinal Disorder. *Translational Vision Science and Technology*, **2020**, 9, 2	3.3	7
205	Neuroprotective and vision-protective effect of preserving ATP levels by AMPK activator. *FASEB Journal*, **2020**, 34, 5016-5026	0.9	8
204	A review on the epidemiology of myopia in school children worldwide. *BMC Ophthalmology*, **2020**, 20, 27	2.3	82
203	Estimation of the Minimum Effective Dose of Dietary Supplement Crocetin for Prevention of Myopia Progression in Mice. *Nutrients*, **2020**, 12,	6.7	1
202	Relationship between nerve fiber layer defect and the presence of epiretinal membrane in a Japanese population: The JPHC-NEXT Eye Study. *Scientific Reports*, **2020**, 10, 779	4.9	1
201	Genetic Spectrum of EYS-associated Retinal Disease in a Large Japanese Cohort: Identification of Disease-associated Variants with Relatively High Allele Frequency. *Scientific Reports*, **2020**, 10, 5497	4.9	10
200	Correlation between Macular Pigment Optical Density and Neural Thickness and Volume of the Retina. *Nutrients*, **2020**, 12,	6.7	5
199	Hypoxia-Inducible Factor Inhibitors Derived from Marine Products Suppress a Murine Model of Neovascular Retinopathy. *Nutrients*, **2020**, 12,	6.7	6
198	Retinal microglia are critical for subretinal neovascular formation. *JCI Insight*, **2020**, 5,	9.9	5
197	A Murine Model of Ischemic Retinal Injury Induced by Transient Bilateral Common Carotid Artery Occlusion. *Journal of Visualized Experiments*, **2020**,	1.6	6
196	New Developments in Dry Eye Research **2020**, 225-239		
195	Axial Length and Prevalence of Myopia among Schoolchildren in the Equatorial Region of Brazil. *Journal of Clinical Medicine*, **2020**, 10,	5.1	4
194	Automatic screening for diabetic retinopathy in interracial fundus images using artificial intelligence. *Intelligence-based Medicine*, **2020**, 3-4, 100024	2.7	4
193	Axial length shortening in a myopic child with anisometropic amblyopia after wearing violet light-transmitting eyeglasses for 2 years. *American Journal of Ophthalmology Case Reports*, **2020**, 20, 101002	1.3	3
192	Predicting recurrences of macular edema due to branch retinal vein occlusion during anti-vascular endothelial growth factor therapy. *Graefels Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 49-56	3.8	9
191	A Fairy Chemical Suppresses Retinal Angiogenesis as a HIF Inhibitor. *Biomolecules*, **2020**, 10,	5.9	5

190	Association between axial length and choroidal thickness in early age-related macular degeneration. *PLoS ONE*, **2020**, 15, e0240357	3.7	0
189	Rice Bran and Vitamin B6 Suppress Pathological Neovascularization in a Murine Model of Age-Related Macular Degeneration as Novel HIF Inhibitors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	12
188	Subjective Happiness and Sleep in University Students with High Myopia. *Psych*, **2020**, 2, 279-286	0.8	
187	Eosinophils promote corneal wound healing via the 12/15-lipoxygenase pathway. *FASEB Journal*, **2020**, 34, 12492-12501	0.9	8
186	PPARAgonist Oral Therapy in Diabetic Retinopathy. *Biomedicines*, **2020**, 8,	4.8	10
185	Pemafibrate Protects Against Retinal Dysfunction in a Murine Model of Diabetic Retinopathy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
184	Clinical and genetic characteristics of 10 Japanese patients with PROM1-associated retinal disorder: A report of the phenotype spectrum and a literature review in the Japanese population. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 656-674	3.1	8
183	RP2-associated retinal disorder in a Japanese cohort: Report of novel variants and a literature review, identifying a genotype-phenotype association. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 675-693	3.1	1
182	Clinical and genetic characteristics of Stargardt disease in a large Western China cohort: Report 1. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 694-707	3.1	3
181	Renin-angiotensin system impairs macrophage lipid metabolism to promote age-related macular degeneration in mouse models. *Communications Biology*, **2020**, 3, 767	6.7	8
180	Ultra-Widefield Retinal Imaging for Analyzing the Association Between Types of Pathological Myopia and Posterior Staphyloma. *Journal of Clinical Medicine*, **2019**, 8,	5.1	4
179	QD laser eyewear as a visual field aid in a visual field defect model. *Scientific Reports*, **2019**, 9, 1010	4.9	4
178	Oral crocetin administration suppressed refractive shift and axial elongation in a murine model of lens-induced myopia. *Scientific Reports*, **2019**, 9, 295	4.9	15
177	Aquaporin 4 Suppresses Neural Hyperactivity and Synaptic Fatigue and Fine-Tunes Neurotransmission to Regulate Visual Function in the Mouse Retina. *Molecular Neurobiology*, **2019**, 56, 8124-8135	6.2	7
176	The long dystrophin gene product Dp427 modulates retinal function and vascular morphology in response to age and retinal ischemia. *Neurochemistry International*, **2019**, 129, 104489	4.4	7
175	Clinical Factors for Rapid Endothelial Cell Loss After Corneal Transplantation: Novel Findings From the Aqueous Humor. *Current Ophthalmology Reports*, **2019**, 7, 89-97	1.8	2
174	Pharmacological HIF inhibition prevents retinal neovascularization with improved visual function in a murine oxygen-induced retinopathy model. *Neurochemistry International*, **2019**, 128, 21-31	4.4	26
173	Inducement and Evaluation of a Murine Model of Experimental Myopia. *Journal of Visualized Experiments*, **2019**,	1.6	5

172	Dynamic changes in choroidal conditions during anti-vascular endothelial growth factor therapy in polypoidal choroidal vasculopathy. *Scientific Reports*, **2019**, 9, 11389	4.9	12
171	The Effect of Dietary Supplementation of Crocetin for Myopia Control in Children: A Randomized Clinical Trial. *Journal of Clinical Medicine*, **2019**, 8,	5.1	7
170	The role of sphingosine 1-phosphate receptors on retinal pigment epithelial cells barrier function and angiogenic effects. *Prostaglandins and Other Lipid Mediators*, **2019**, 145, 106365	3.7	8
169	Current Prevalence of Myopia and Association of Myopia With Environmental Factors Among Schoolchildren in Japan. *JAMA Ophthalmology*, **2019**, 137, 1233-1239	3.9	40
168	A Novel HIF Inhibitor Halofuginone Prevents Neurodegeneration in a Murine Model of Retinal Ischemia-Reperfusion. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
167	Clinical and Genetic Characteristics of East Asian Patients with Occult Macular Dystrophy (Miyake Disease): East Asia Occult Macular Dystrophy Studies Report Number 1. *Ophthalmology*, **2019**, 126, 1432-1444	7.3	20
166	Hydrogen-producing milk to prevent reduction in tear stability in persons using visual display terminals. *Ocular Surface*, **2019**, 17, 714-721	6.5	6
165	Ocular-Component-Specific miRNA Expression in a Murine Model of Lens-Induced Myopia. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	12
164	Therapeutic Effect of Extract and Hydroxycitric Acid Inhibiting Hypoxia-Inducible Factor in a Murine Model of Age-Related Macular Degeneration. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
163	Evaluation of AAV-DJ vector for retinal gene therapy. *PeerJ*, **2019**, 7, e6317	3.1	16
162	HIF inhibitor topotecan has a neuroprotective effect in a murine retinal ischemia-reperfusion model. *PeerJ*, **2019**, 7, e7849	3.1	9
161	High Myopia and Its Associated Factors in JPHC-NEXT Eye Study: A Cross-Sectional Observational Study. *Journal of Clinical Medicine*, **2019**, 8,	5.1	3
160	Dynamic changes in neural retinal images during the development of a lamellar macular hole: A case report. *Medicine (United States)*, **2019**, 98, e18297	1.8	1
159	Pemafibrate Prevents Retinal Pathological Neovascularization by Increasing FGF21 Level in a Murine Oxygen-Induced Retinopathy Model. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	19
158	Effect of axial length and age on the visual outcome of patients with idiopathic epiretinal membrane after pars plana vitrectomy. *Scientific Reports*, **2019**, 9, 19056	4.9	4
157	Spatial-sweep steady-state pattern electroretinography can detect subtle differences in visual function among healthy adults. *Scientific Reports*, **2019**, 9, 18119	4.9	1
156	Effects of Hyperoxia on the Refraction in Murine Neonatal and Adult Models. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	1
155	Retinal inflammation diagnosed as an idiopathic macular hole with multiple recurrences and spontaneous closures: A case report. *Medicine (United States)*, **2019**, 98, e14230	1.8	6

154	Dietary Spirulina Supplementation Protects Visual Function From Photostress by Suppressing Retinal Neurodegeneration in Mice. *Translational Vision Science and Technology*, **2019**, 8, 20	3.3	15
153	Cytokine Levels in the Aqueous Humor Are Associated With Corneal Thickness in Eyes With Bullous Keratopathy. *American Journal of Ophthalmology*, **2019**, 198, 174-180	4.9	9
152	Roles of Hypoxia Response in Retinal Development and Pathophysiology. *Keio Journal of Medicine*, **2018**, 67, 1-9	1.6	12
151	A highly efficient murine model of experimental myopia. *Scientific Reports*, **2018**, 8, 2026	4.9	25
150	Benefits of aflibercept treatment for age-related macular degeneration patients with good best-corrected visual acuity at baseline. *Scientific Reports*, **2018**, 8, 58	4.9	5
149	Association between glaucoma severity and driving cessation in subjects with primary open-angle glaucoma. *BMC Ophthalmology*, **2018**, 18, 122	2.3	2
148	Progress and Control of Myopia by Light Environments. *Eye and Contact Lens*, **2018**, 44, 273-278	3.2	10
147	KW3110 Prevents Blue Light-Induced Inflammation and Degeneration in the Retina. *Nutrients*, **2018** , 10,	6.7	14
146	Preoperative Aqueous Cytokine Levels are Associated With Endothelial Cell Loss After Descemet Stripping Automated Endothelial Keratoplasty **2018**, 59, 612-620		28
145	Inhibiting Myopia by (Nearly) Invisible Light? - Author Reply. *EBioMedicine*, **2017**, 16, 29	8.8	
144	New Research Routes to Fight Myopia - Author Reply. *EBioMedicine*, **2017**, 16, 26	8.8	
143	Predictive factors of better outcomes by monotherapy of an antivascular endothelial growth factor drug, ranibizumab, for diabetic macular edema in clinical practice. *Medicine (United States)*, **2017**, 96, e6459	1.8	15
142	Violet Light Exposure Can Be a Preventive Strategy Against Myopia Progression. *EBioMedicine*, **2017**, 15, 210-219	8.8	82
141	Elevated Aqueous Cytokine Levels in Eyes With Ocular Surface Diseases. *American Journal of Ophthalmology*, **2017**, 184, 42-51	4.9	22
140	Iris Damage Is Associated With Elevated Cytokine Levels in Aqueous Humor **2017**, 58, BIO42-BIO51		40
139	Neuroprotective effect of bilberry extract in a murine model of photo-stressed retina. *PLoS ONE*, **2017**, 12, e0178627	3.7	31
138	Absolute and estimated values of macular pigment optical density in young and aged Asian participants with or without age-related macular degeneration. *BMC Ophthalmology*, **2017**, 17, 161	2.3	10
137	Preoperative Aqueous Cytokine Levels Are Associated With a Rapid Reduction in Endothelial Cells After Penetrating Keratoplasty. *American Journal of Ophthalmology*, **2017**, 181, 166-173	4.9	29

136	Neuroprotective role of retinal SIRT3 against acute photo-stress. *Npj Aging and Mechanisms of Disease*, **2017**, 3, 19	5.5	14
135	Violet Light Transmission is Related to Myopia Progression in Adult High Myopia. *Scientific Reports*, **2017**, 7, 14523	4.9	29
134	Functional Lacrimal Gland Regeneration **2017**, 135-151		
133	Non-responsiveness to intravitreal aflibercept treatment in neovascular age-related macular degeneration: implications of serous pigment epithelial detachment. *Scientific Reports*, **2016**, 6, 29619	4.9	29
132	Selenium-binding lactoferrin is taken into corneal epithelial cells by a receptor and prevents corneal damage in dry eye model animals. *Scientific Reports*, **2016**, 6, 36903	4.9	17
131	Decreased sleep quality in high myopia children. *Scientific Reports*, **2016**, 6, 33902	4.9	38
130	A glimpse at the aging eye. *Npj Aging and Mechanisms of Disease*, **2016**, 2, 16003	5.5	34
129	Functional Visual Acuity in Age-Related Macular Degeneration. *Optometry and Vision Science*, **2016**, 93, 70-6	2.1	11
128	Distinct Responsiveness to Intravitreal Ranibizumab Therapy in Polypoidal Choroidal Vasculopathy With Single or Multiple Polyps. *American Journal of Ophthalmology*, **2016**, 166, 52-59	4.9	18
127	Dietary Supplementation with a Combination of Lactoferrin, Fish Oil, and Enterococcus faecium WB2000 for Treating Dry Eye: A Rat Model and Human Clinical Study. *Ocular Surface*, **2016**, 14, 255-63	6.5	29
126	Angiopoietin-like Protein 2 Is a Multistep Regulator of Inflammatory Neovascularization in a Murine Model of Age-related Macular Degeneration. *Journal of Biological Chemistry*, **2016**, 291, 7373-85	5.4	19
125	Global metabolomics reveals metabolic dysregulation in ischemic retinopathy. *Metabolomics*, **2016**, 12, 15	4.7	54
124	The Neuroprotective Effect of Rapamycin as a Modulator of the mTOR-NF-B Axis during Retinal Inflammation. *PLoS ONE*, **2016**, 11, e0146517	3.7	35
123	Hypoxia-induced metabolic stress in retinal pigment epithelial cells is sufficient to induce photoreceptor degeneration. *ELife*, **2016**, 5,	8.9	112
122	iPSC-Derived Retinal Pigment Epithelium Allografts Do Not Elicit Detrimental Effects in Rats: A Follow-Up Study. *Stem Cells International*, **2016**, 2016, 8470263	5	13
121	Neuroprotective effect of activated 5Qadenosine monophosphate-activated protein kinase on cone system function during retinal inflammation. *BMC Neuroscience*, **2016**, 17, 32	3.2	8
120	Novel RP1L1 Variants and Genotype-Photoreceptor Microstructural Phenotype Associations in Cohort of Japanese Patients With Occult Macular Dystrophy **2016**, 57, 4837-46		43
119	Lutein acts via multiple antioxidant pathways in the photo-stressed retina. *Scientific Reports*, **2016**, 6, 30226	4.9	64

118	Reply. *American Journal of Ophthalmology*, **2016**, 169, 295-296	4.9	
117	Development and pathological changes of neurovascular unit regulated by hypoxia response in the retina. *Progress in Brain Research*, **2016**, 225, 201-11	2.9	9
116	The effect of Nrf2 knockout on ocular surface protection from acute tobacco smoke exposure: evidence from Nrf2 knockout mice. *American Journal of Pathology*, **2015**, 185, 776-85	5.8	15
115	Wide-Angle Viewing System versus Conventional Indirect Ophthalmoscopy for Scleral Buckling. *Scientific Reports*, **2015**, 5, 13256	4.9	13
114	Performing subretinal injections in rodents to deliver retinal pigment epithelium cells in suspension. *Journal of Visualized Experiments*, **2015**, 52247	1.6	18
113	Association of macular pigment optical density with serum concentration of oxidized low-density lipoprotein in healthy adults. *Retina*, **2015**, 35, 820-6	3.6	14
112	Effects of Oxidative Stress on the Conjunctiva in Cu, Zn-Superoxide Dismutase-1 (Sod1)-Knockout Mice **2015**, 56, 8382-91		11
111	Blue light-induced inflammatory marker expression in the retinal pigment epithelium-choroid of mice and the protective effect of a yellow intraocular lens material in vivo. *Experimental Eye Research*, **2015**, 132, 48-51	3.7	47
110	Clinical and molecular characteristics of childhood-onset Stargardt disease. *Ophthalmology*, **2015**, 122, 326-34	7.3	111
109	Neurovascular crosstalk between interneurons and capillaries is required for vision. *Journal of Clinical Investigation*, **2015**, 125, 2335-46	15.9	97
108	Neurons limit angiogenesis by titrating VEGF in retina. *Cell*, **2014**, 159, 584-96	56.2	170
107	The use of induced pluripotent stem cells to reveal pathogenic gene mutations and explore treatments for retinitis pigmentosa. *Molecular Brain*, **2014**, 7, 45	4.5	78
106	Angiotensin II type 1 receptor blockade suppresses light-induced neural damage in the mouse retina. *Free Radical Biology and Medicine*, **2014**, 71, 176-185	7.8	22
105	AMPK-NF-B axis in the photoreceptor disorder during retinal inflammation. *PLoS ONE*, **2014**, 9, e103013	3.7	23
104	Hypoxia-inducible factor (HIF)/vascular endothelial growth factor (VEGF) signaling in the retina. *Advances in Experimental Medicine and Biology*, **2014**, 801, 275-81	3.6	52
103	Association of serum lipids with macular thickness and volume in type 2 diabetes without diabetic macular edema **2014**, 55, 1749-53		20
102	Intraoperative and fluorescein angiographic findings of a secondary macular hole associated with age-related macular degeneration treated by pars plana vitrectomy. *BMC Ophthalmology*, **2014**, 14, 114	2.3	13
101	Predictive factors for non-response to intravitreal ranibizumab treatment in age-related macular degeneration. *British Journal of Ophthalmology*, **2014**, 98, 1186-91	5.5	62

100	Local acting Sticky-trap inhibits vascular endothelial growth factor dependent pathological angiogenesis in the eye. *EMBO Molecular Medicine*, **2014**, 6, 604-23	12	13
99	Biological effects of blocking blue and other visible light on the mouse retina. *Clinical and Experimental Ophthalmology*, **2014**, 42, 555-63	2.4	29
98	Vitrectomy for myopic foveoschisis with internal limiting membrane peeling and no gas tamponade. *Retina*, **2014**, 34, 455-60	3.6	31
97	Early signs of exudative age-related macular degeneration in Asians. *Optometry and Vision Science*, **2014**, 91, 849-53	2.1	14
96	Myopic regression after phakic intraocular lens implantation and LASIK. *Optometry and Vision Science*, **2014**, 91, 231-9	2.1	1
95	Resveratrol prevents the development of choroidal neovascularization by modulating AMP-activated protein kinase in macrophages and other cell types. *Journal of Nutritional Biochemistry*, **2014**, 25, 1218-1225	6.3	38
94	Phase II enzyme induction by a carotenoid, lutein, in a PC12D neuronal cell line. *Biochemical and Biophysical Research Communications*, **2014**, 446, 535-40	3.4	17
93	Utilizing stem cell-derived RPE cells as a therapeutic intervention for age-related macular degeneration. *Advances in Experimental Medicine and Biology*, **2014**, 801, 323-9	3.6	14
92	The clinical effect of homozygous ABCA4 alleles in 18 patients. *Ophthalmology*, **2013**, 120, 2324-31	7.3	50
91	Clinical and molecular analysis of Stargardt disease with preserved foveal structure and function. *American Journal of Ophthalmology*, **2013**, 156, 487-501.e1	4.9	84
90	Renin-angiotensin system involvement in the oxidative stress-induced neurodegeneration of cultured retinal ganglion cells. *Japanese Journal of Ophthalmology*, **2013**, 57, 126-32	2.6	15
89	Calorie restriction (CR) and CR mimetics for the prevention and treatment of age-related eye disorders. *Experimental Gerontology*, **2013**, 48, 1096-100	4.5	23
88	Neuroprotective role of superoxide dismutase 1 in retinal ganglion cells and inner nuclear layer cells against N-methyl-d-aspartate-induced cytotoxicity. *Experimental Eye Research*, **2013**, 115, 230-8	3.7	15
87	A longitudinal study of stargardt disease: clinical and electrophysiologic assessment, progression, and genotype correlations. *American Journal of Ophthalmology*, **2013**, 155, 1075-1088.e13	4.9	88
86	Light-dark condition regulates sirtuin mRNA levels in the retina. *Experimental Gerontology*, **2013**, 48, 1212-7	4.5	22
85	Increased urinary 8-hydroxy-2 deoxyguanosine (8-OHdG)/creatinine level is associated with the progression of normal-tension glaucoma. *Current Eye Research*, **2013**, 38, 983-8	2.9	21
84	ABCA4 gene screening by next-generation sequencing in a British cohort **2013**, 54, 6662-74		36
83	Disruption of cell-cell junctions and induction of pathological cytokines in the retinal pigment epithelium of light-exposed mice **2013**, 54, 4555-62		52

82	Detection of early visual impairment in patients with epiretinal membrane. *Acta Ophthalmologica*, **2013**, 91, e353-7	3.7	22
81	A longitudinal study of Stargardt disease: quantitative assessment of fundus autofluorescence, progression, and genotype correlations **2013**, 54, 8181-90		94
80	Ras pathway inhibition prevents neovascularization by repressing endothelial cell sprouting. *Journal of Clinical Investigation*, **2013**, 123, 4900-8	15.9	46
79	Angiotensin II type 1 receptor antagonist attenuates lacrimal gland, lung, and liver fibrosis in a murine model of chronic graft-versus-host disease. *PLoS ONE*, **2013**, 8, e64724	3.7	39
78	Molecular characteristics of four Japanese cases with KCNV2 retinopathy: report of novel disease-causing variants. *Molecular Vision*, **2013**, 19, 1580-90	2.3	13
77	Changes in higher-order aberrations after iris-fixated phakic intraocular lens implantation. *Journal of Refractive Surgery*, **2013**, 29, 693-700	3.3	4
76	Biological role of lutein in the light-induced retinal degeneration. *Journal of Nutritional Biochemistry*, **2012**, 23, 423-9	6.3	73
75	The formation of an angiogenic astrocyte template is regulated by the neuroretina in a HIF-1-dependent manner. *Developmental Biology*, **2012**, 363, 106-14	3.1	55
74	Presence and physiologic function of the renin-angiotensin system in mouse lacrimal gland **2012**, 53, 5416-25		11
73	Selenium compound protects corneal epithelium against oxidative stress. *PLoS ONE*, **2012**, 7, e45612	3.7	41
72	Dietary lactoferrin alleviates age-related lacrimal gland dysfunction in mice. *PLoS ONE*, **2012**, 7, e33148	3.7	38
71	Using flow cytometry to compare the dynamics of photoreceptor outer segment phagocytosis in iPS-derived RPE cells **2012**, 53, 6282-90		34
70	Age-related dysfunction of the lacrimal gland and oxidative stress: evidence from the Cu,Zn-superoxide dismutase-1 (Sod1) knockout mice. *American Journal of Pathology*, **2012**, 180, 1879-96	5.8	90
69	Renin-Angiotensin system hyperactivation can induce inflammation and retinal neural dysfunction. *International Journal of Inflammation*, **2012**, 2012, 581695	6.4	30
68	Generation of retinal pigment epithelial cells from small molecules and OCT4 reprogrammed human induced pluripotent stem cells. *Stem Cells Translational Medicine*, **2012**, 1, 96-109	6.9	74
67	Vision preservation during retinal inflammation by anthocyanin-rich bilberry extract: cellular and molecular mechanism. *Laboratory Investigation*, **2012**, 92, 102-9	5.9	78
66	Mitochondrial superoxide anion overproduction in Tet-mev-1 transgenic mice accelerates age-dependent corneal cell dysfunctions **2012**, 53, 5780-7		12
65	Use of micronutrient supplement for preventing advanced age-related macular degeneration in Japan. *JAMA Ophthalmology*, **2012**, 130, 254-5		9

64	Neuroprotective effects of lutein in the retina. *Current Pharmaceutical Design*, **2012**, 18, 51-6	3.3	118
63	The antiaging approach for the treatment of dry eye. *Cornea*, **2012**, 31 Suppl 1, S3-8	3.1	28
62	Targeted deletion of Vegfa in adult mice induces vision loss. *Journal of Clinical Investigation*, **2012**, 122, 4213-7	15.9	231
61	Blockade of vascular adhesion protein-1 attenuates choroidal neovascularization. *Molecular Vision*, **2012**, 18, 593-600	2.3	7
60	Photo-damage mechanisms and anti-apoptotic effect of lutein in the mouse retina. *Inflammation and Regeneration*, **2012**, 32, 208-212	10.9	1
59	Resveratrol prevents the development of abdominal aortic aneurysm through attenuation of inflammation, oxidative stress, and neovascularization. *Atherosclerosis*, **2011**, 217, 350-7	3.1	74
58	The association between primary open-angle glaucoma and motor vehicle collisions **2011**, 52, 4177-81		49
57	Regulation of posttranscriptional modification as a possible therapeutic approach for retinal neuroprotection. *Journal of Ophthalmology*, **2011**, 2011, 506137	2	17
56	The relation of functional visual acuity measurement methodology to tear functions and ocular surface status. *Japanese Journal of Ophthalmology*, **2011**, 55, 451-459	2.6	46
55	Neuroprotective response after photodynamic therapy: role of vascular endothelial growth factor. *Journal of Neuroinflammation*, **2011**, 8, 176	10.1	16
54	Retinal ganglion cell loss in superoxide dismutase 1 deficiency **2011**, 52, 4143-50		54
53	Hydrogen and N-acetyl-L-cysteine rescue oxidative stress-induced angiogenesis in a mouse corneal alkali-burn model **2011**, 52, 427-33		92
52	Astrocyte pVHL and HIF- isoforms are required for embryonic-to-adult vascular transition in the eye. *Journal of Cell Biology*, **2011**, 195, 689-701	7.3	21
51	Neural degeneration in the retina of the streptozotocin-induced type 1 diabetes model. *Experimental Diabetes Research*, **2011**, 2011, 108328		66
50	Roles of AMP-activated protein kinase in diabetes-induced retinal inflammation **2011**, 52, 9142-8		85
49	Pattern-reversal visual-evoked potential in patients with occult macular dystrophy. *Clinical Ophthalmology*, **2010**, 4, 1515-20	2.5	3
48	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. *Development (Cambridge)*, **2010**, 137, 1563-71	6.6	53
47	Retinal aging and sirtuins. *Ophthalmic Research*, **2010**, 44, 199-203	2.9	28

46	The era of antiaging ophthalmology comes of age: antiaging approach for dry eye treatment. *Ophthalmic Research*, **2010**, 44, 146-54	2.9	17
45	Calorie restriction: A new therapeutic intervention for age-related dry eye disease in rats. *Biochemical and Biophysical Research Communications*, **2010**, 397, 724-8	3.4	39
44	Resveratrol prevents light-induced retinal degeneration via suppressing activator protein-1 activation. *American Journal of Pathology*, **2010**, 177, 1725-31	5.8	80
43	Neurodegenerative influence of oxidative stress in the retina of a murine model of diabetes. *Diabetologia*, **2010**, 53, 971-9	10.3	189
42	Secondary macular hole formation with presumed evulsion of foveal hard exudates in a patient with diabetic retinopathy. *Japanese Journal of Ophthalmology*, **2010**, 54, 366-8	2.6	3
41	Astrocyte hypoxic response is essential for pathological but not developmental angiogenesis of the retina. *Glia*, **2010**, 58, 1177-85	9	125
40	Eicosapentaenoic acid suppresses ocular inflammation in endotoxin-induced uveitis. *Molecular Vision*, **2010**, 16, 1382-8	2.3	13
39	Involvement of hyaluronan and its receptor CD44 with choroidal neovascularization **2009**, 50, 4410-5		25
38	Prevention of ocular inflammation in endotoxin-induced uveitis with resveratrol by inhibiting oxidative damage and nuclear factor-kappaB activation **2009**, 50, 3512-9		133
37	(Pro)renin receptor-mediated signal transduction and tissue renin-angiotensin system contribute to diabetes-induced retinal inflammation. *Diabetes*, **2009**, 58, 1625-33	0.9	123
36	Neuroprotective effect of an antioxidant, lutein, during retinal inflammation **2009**, 50, 1433-9		120
35	End-stage glaucoma in Stevens-Johnson syndrome. *Japanese Journal of Ophthalmology*, **2009**, 53, 68-70	2.6	3
34	Bilateral acute functional disturbance in the retina following placental abruption. *Japanese Journal of Ophthalmology*, **2009**, 53, 663-665	2.6	1
33	New retractor capable of aspirating fluids during scleral buckling surgery. *Retina*, **2009**, 29, 1542-4	3.6	1
32	Improvement of functional visual acuity after cataract surgery in patients with good pre- and postoperative spectacle-corrected visual acuity. *Journal of Refractive Surgery*, **2009**, 25, 410-5	3.3	24
31	Prevalence of dry eye disease among Japanese visual display terminal users. *Ophthalmology*, **2008**, 115, 1982-8	7.3	229
30	Retinal dysfunction and progressive retinal cell death in SOD1-deficient mice. *American Journal of Pathology*, **2008**, 172, 1325-31	5.8	92
29	(Pro)renin receptor promotes choroidal neovascularization by activating its signal transduction and tissue renin-angiotensin system. *American Journal of Pathology*, **2008**, 173, 1911-8	5.8	55

28	Barrier function and cytologic features of the ocular surface epithelium after autologous cultivated oral mucosal epithelial transplantation. *JAMA Ophthalmology*, **2008**, 126, 23-8		46
27	Roles of STAT3/SOCS3 pathway in regulating the visual function and ubiquitin-proteasome-dependent degradation of rhodopsin during retinal inflammation. *Journal of Biological Chemistry*, **2008**, 283, 24561-70	5.4	53
26	Angiotensin II type 1 receptor signaling contributes to synaptophysin degradation and neuronal dysfunction in the diabetic retina. *Diabetes*, **2008**, 57, 2191-8	0.9	104
25	Suppression of alkali burn-induced corneal neovascularization by dendritic cell vaccination targeting VEGF receptor 2. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 2172-7		16
24	Age-related macular degeneration (AMD); From pathogenesis and approved therapies to proposed treatments for prevention. *Anti-aging Medicine*, **2008**, 5, 87-92		2
23	Inhibition of choroidal neovascularization with an anti-inflammatory carotenoid astaxanthin. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1679-85		77
22	Suppression of choroidal neovascularization by dendritic cell vaccination targeting VEGFR2. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4795-801		12
21	Suppression of choroidal neovascularization by inhibiting angiotensin-converting enzyme: minimal role of bradykinin. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 2321-6		44
20	Eicosapentaenoic acid is anti-inflammatory in preventing choroidal neovascularization in mice. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4328-34		58
19	Role of nonproteolytically activated prorenin in pathologic, but not physiologic, retinal neovascularization. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 422-9		67
18	Macular pigment lutein is antiinflammatory in preventing choroidal neovascularization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 2555-62	9.4	118
17	Suppression of diabetes-induced retinal inflammation by blocking the angiotensin II type 1 receptor or its downstream nuclear factor-kappaB pathway. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4342-50		158
16	SOCS3 is required to temporally fine-tune photoreceptor cell differentiation. *Developmental Biology*, **2007**, 303, 591-600	3.1	22
15	New grading system for the evaluation of chronic ocular manifestations in patients with Stevens-Johnson syndrome. *Ophthalmology*, **2007**, 114, 1294-302	7.3	199
14	Interleukin-6 receptor-mediated activation of signal transducer and activator of transcription-3 (STAT3) promotes choroidal neovascularization. *American Journal of Pathology*, **2007**, 170, 2149-58	5.8	117
13	Angiotensin II type 1 receptor-mediated inflammation is required for choroidal neovascularization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2252-9	9.4	105
12	Drusen, choroidal neovascularization, and retinal pigment epithelium dysfunction in SOD1-deficient mice: a model of age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11282-7	11.5	325
11	Optical aberrations and visual disturbances associated with dry eye. *Ocular Surface*, **2006**, 4, 207-13	6.5	43

10	Functional visual acuity in Stevens-Johnson syndrome. *American Journal of Ophthalmology*, **2006**, 142, 917-22	4.9	53
9	Neuroprotective effects of angiotensin II type 1 receptor (AT1R) blocker, telmisartan, via modulating AT1R and AT2R signaling in retinal inflammation. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 5545-52		96
8	Suppression of ocular inflammation in endotoxin-induced uveitis by inhibiting nonproteolytic activation of prorenin. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 2686-92		84
7	Pars plana vitrectomy with internal limiting membrane removal for macular hole associated with proliferative diabetic retinopathy. *Graefels Archive for Clinical and Experimental Ophthalmology*, **2005**, 243, 724-6	3.8	17
6	Selective suppression of pathologic, but not physiologic, retinal neovascularization by blocking the angiotensin II type 1 receptor. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 1078-84		66
5	Suppression of ocular inflammation in endotoxin-induced uveitis by blocking the angiotensin II type 1 receptor. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2925-31		69
4	Impaired functional visual acuity of dry eye patients. *American Journal of Ophthalmology*, **2002**, 133, 181-6	4.9	327
3	Dry eyes and video display terminals. *New England Journal of Medicine*, **1993**, 328, 584	59.2	257
2	Violet light modulates the central nervous system to regulate memory and mood		3
1	Starburst amacrine cells amplify optogenetic visual restoration through gap junctions		1