

Joan W Miller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242
papers

14,367
citations

56
h-index

114
g-index

268
ext. papers

16,302
ext. citations

5.8
avg, IF

6.32
L-index

#	Paper	IF	Citations
242	American Academy of Ophthalmology Intelligent Research in Sight (IRIS [®]) Registry and the IRIS Registry Analytic Center Consortium. <i>Ophthalmology Science</i> , 2022 , 2, 100112		0
241	Idiopathic Macular Telangiectasia 2022 , 3815-3831		
240	Re: Fairless et al.: Ophthalmology departments remain among the least diverse clinical departments at United States medical schools (Ophthalmology. 2021;128:1129-1134). <i>Ophthalmology</i> , 2021 ,	7.3	
239	A quantitative comparison of four optical coherence tomography angiography devices in healthy eyes. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 259, 1493-1501	3.8	0
238	Reply. <i>Ophthalmology Retina</i> , 2021 , 5, e4	3.8	
237	Trends and Usage Patterns of Minimally Invasive Glaucoma Surgery in the United States: IRIS [®] Registry Analysis 2013-2018. <i>Ophthalmology Glaucoma</i> , 2021 , 4, 558-568	2.2	7
236	Area under the dark adaptation curve as a reliable alternate measure of dark adaptation response. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
235	Age, Gender, and Laterality of Retinal Vascular Occlusion: A Retrospective Study from the IRIS [®] Registry. <i>Ophthalmology Retina</i> , 2021 , 6, 161-161	3.8	3
234	Chemical and thermal ocular burns in the United States: An IRIS registry analysis. <i>Ocular Surface</i> , 2021 , 21, 345-347	6.5	1
233	Comparison of widefield swept-source optical coherence tomography angiography with ultra-widefield colour fundus photography and fluorescein angiography for detection of lesions in diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2021 , 105, 577-581	5.5	20
232	Contrast sensitivity function in patients with macular disease and good visual acuity. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	3
231	Usage Patterns of Minimally Invasive Glaucoma Surgery (MIGS) Differ by Glaucoma Type: IRIS Registry Analysis 2013-2018. <i>Ophthalmic Epidemiology</i> , 2021 , 1-9	1.9	1
230	Wide-field swept-source optical coherence tomography angiography in the assessment of retinal microvasculature and choroidal thickness in patients with myopia. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	5
229	Retinal applications of swept source optical coherence tomography (OCT) and optical coherence tomography angiography (OCTA). <i>Progress in Retinal and Eye Research</i> , 2021 , 84, 100951	20.5	18
228	Widefield Swept-Source OCT Angiography Metrics Associated with the Development of Diabetic Vitreous Hemorrhage: A Prospective Study. <i>Ophthalmology</i> , 2021 , 128, 1312-1324	7.3	1
227	Local photoreceptor cell death differences in the murine model of retinal detachment. <i>Scientific Reports</i> , 2021 , 11, 18798	4.9	0
226	BASELINE PREDICTORS ASSOCIATED WITH 3-YEAR CHANGES IN DARK ADAPTATION IN AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2021 , 41, 2098-2105	3.6	2

225	Current Management of Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1256, 295-314	3.6	1
224	Opportunities and Challenges in Translational Research: The Development of Photodynamic Therapy and Anti-Vascular Endothelial Growth Factor Drugs. <i>Journal of Law, Medicine and Ethics</i> , 2021 , 49, 19-24	1.2	1
223	Subthreshold Exudative Choroidal Neovascularization Associated With Age-Related Macular Degeneration Identified by Optical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , 2020 , 4, 377-385	0.7	1
222	Different Scan Protocols Affect the Detection Rates of Diabetic Retinopathy Lesions by Wide-Field Swept-Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2020 , 215, 72-80	4.9	12
221	Higher Intake of Polyunsaturated Fatty Acid and Monounsaturated Fatty Acid is Inversely Associated With AMD 2020 , 61, 20		6
220	Detection of neovascularisation in the vitreoretinal interface slab using widefield swept-source optical coherence tomography angiography in diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2020 ,	5.5	6
219	Acadesine suppresses TNF-induced complement component 3 (C3), in retinal pigment epithelial (RPE) cells. <i>PLoS ONE</i> , 2020 , 15, e0244307	3.7	1
218	Idiopathic Macular Telangiectasia 2020 , 1-18		
217	Nonresponders to Ranibizumab Anti-VEGF Treatment Are Actually Short-term Responders: A Prospective Spectral-Domain OCT Study. <i>Ophthalmology Retina</i> , 2020 , 4, 1138-1145	3.8	10
216	Smoking Is Associated with Higher Intraocular Pressure Regardless of Glaucoma: A Retrospective Study of 12.5 Million Patients Using the Intelligent Research in Sight (IRIS [®]) Registry. <i>Ophthalmology Glaucoma</i> , 2020 , 3, 253-261	2.2	10
215	ThicknessTool: automated ImageJ retinal layer thickness and profile in digital images. <i>Scientific Reports</i> , 2020 , 10, 18459	4.9	2
214	Validation of RetmarkerAMD as a semiautomatic grading software for AMD. <i>Eye</i> , 2020 , 34, 600-602	4.4	
213	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , 2019 , 18, 1278-1288	5.6	5
212	Receptor interacting protein kinase 3 (RIP3) regulates iPSCs generation through modulating cell cycle progression genes. <i>Stem Cell Research</i> , 2019 , 35, 101387	1.6	6
211	NLRP3 inflammasome in NMDA-induced retinal excitotoxicity. <i>Experimental Eye Research</i> , 2019 , 181, 136-144	3.7	15
210	A Comprehensive Surgical Curriculum Reduced Intra-operative Complication Rates of Resident-performed Cataract Surgeries. <i>Journal of Surgical Education</i> , 2019 , 76, 150-157	3.4	8
209	Developing Therapies for Age-related Macular Degeneration: The Art and Science of Problem-solving: The 2018 Charles L. Schepens, MD, Lecture. <i>Ophthalmology Retina</i> , 2019 , 3, 900-909	3.8	3
208	Human Plasma Metabolomics in Age-Related Macular Degeneration: Meta-Analysis of Two Cohorts. <i>Metabolites</i> , 2019 , 9,	5.6	13

207	A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. <i>Nature Communications</i> , 2019 , 10, 3347	17.4	104
206	Microperimetry in age-related macular degeneration: association with macular morphology assessed by optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2019 , 103, 1769-1776	5.5	16
205	Genetic LAMP2 deficiency accelerates the age-associated formation of basal laminar deposits in the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23724-23734	11.5	22
204	Imaging Artifacts and Segmentation Errors With Wide-Field Swept-Source Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>Translational Vision Science and Technology</i> , 2019 , 8, 18	3.3	29
203	Percentage of Foveal vs Total Macular Geographic Atrophy as a Predictor of Visual Acuity in Age-Related Macular Degeneration. <i>Journal of Vitreoretinal Diseases</i> , 2019 , 3, 278-282	0.7	6
202	RIP1 kinase mediates angiogenesis by modulating macrophages in experimental neovascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23705-23713	11.5	15
201	Metabolomics in the study of retinal health and disease. <i>Progress in Retinal and Eye Research</i> , 2019 , 69, 57-79	20.5	48
200	Mouse model of ocular hypertension with retinal ganglion cell degeneration. <i>PLoS ONE</i> , 2019 , 14, e0208713	3.7	13
199	Choroidal thickness and vascular density in macular telangiectasia type 2 using swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2019 , 103, 1584-1589	5.5	7
198	Evaluation of choroidal lesions with swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2019 , 103, 88-93	5.5	6
197	Imaging the Deep Choroidal Vasculature Using Spectral Domain and Swept Source Optical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , 2018 , 2, 146-154	0.7	20
196	Peripheral Changes Associated With Delayed Dark Adaptation in Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2018 , 190, 113-124	4.9	8
195	Lens regeneration in children. <i>Nature</i> , 2018 , 556, E2-E3	50.4	9
194	Issues with the Specificity of Immunological Reagents for NLRP3: Implications for Age-related Macular Degeneration. <i>Scientific Reports</i> , 2018 , 8, 461	4.9	31
193	Comparison of Progression to Advanced Stage between Polypoidal Choroidal Vasculopathy and Age-Related Macular Degeneration in Korea. <i>Ophthalmology Retina</i> , 2018 , 2, 475-480	3.8	3
192	Solving the Hydroxychloroquine Dosing Dilemma With a Smartphone App. <i>JAMA Ophthalmology</i> , 2018 , 136, 218-219	3.9	5
191	HEALTH CONDITIONS LINKED TO AGE-RELATED MACULAR DEGENERATION ASSOCIATED WITH DARK ADAPTATION. <i>Retina</i> , 2018 , 38, 1145-1155	3.6	10
190	CHOROIDAL THICKNESS IN DIABETIC RETINOPATHY ASSESSED WITH SWEEP-SOURCE OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2018 , 38, 173-182	3.6	46

189	Human Plasma Metabolomics Study across All Stages of Age-Related Macular Degeneration Identifies Potential Lipid Biomarkers. <i>Ophthalmology</i> , 2018 , 125, 245-254	7.3	42
188	Breaking and Sealing Barriers in Retinal Gene Therapy. <i>Molecular Therapy</i> , 2018 , 26, 2081-2082	11.7	7
187	Visual acuity and contrast sensitivity are two important factors affecting vision-related quality of life in advanced age-related macular degeneration. <i>PLoS ONE</i> , 2018 , 13, e0196481	3.7	23
186	Microglia inhibit photoreceptor cell death and regulate immune cell infiltration in response to retinal detachment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6264-E6273	11.5	60
185	Endogenous Endophthalmitis in the American and Korean Population: An 8-year Retrospective Study. <i>Ocular Immunology and Inflammation</i> , 2018 , 26, 496-503	2.8	29
184	Visualization of Choriocapillaris and Choroidal Vasculature in Healthy Eyes With En Face Swept-Source Optical Coherence Tomography Versus Angiography. <i>Translational Vision Science and Technology</i> , 2018 , 7, 25	3.3	15
183	TDABC Cost Analysis of Ocular Disorders in an Ophthalmology Emergency Department versus Urgent Care: Clinical Experience at Massachusetts Eye and Ear. <i>Journal of Academic Ophthalmology (2017)</i> , 2018 , 10, e55-e60	0.7	3
182	Reply. <i>Ophthalmology</i> , 2018 , 125, e46-e47	7.3	
181	Special Commentary: Early Clinical Development of Cell Replacement Therapy: Considerations for the National Eye Institute Audacious Goals Initiative. <i>Ophthalmology</i> , 2017 , 124, 926-934	7.3	8
180	Verteporfin-induced formation of protein cross-linked oligomers and high molecular weight complexes is mediated by light and leads to cell toxicity. <i>Scientific Reports</i> , 2017 , 7, 46581	4.9	37
179	Structural Changes Associated with Delayed Dark Adaptation in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2017 , 124, 1340-1352	7.3	41
178	Choroidal Changes Associated With Subretinal Drusenoid Deposits in Age-related Macular Degeneration Using Swept-source Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2017 , 180, 55-63	4.9	22
177	Automated Brightness and Contrast Adjustment of Color Fundus Photographs for the Grading of Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2017 , 6, 3	3.3	14
176	Novel grid combined with peripheral distortion correction for ultra-widefield image grading of age-related macular degeneration. <i>Clinical Ophthalmology</i> , 2017 , 11, 1967-1974	2.5	5
175	Advances in Age-related Macular Degeneration Understanding and Therapy. <i>US Ophthalmic Review</i> , 2017 , 10, 119-130	0.3	39
174	Cytochrome P450 monooxygenase lipid metabolites are significant second messengers in the resolution of choroidal neovascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7545-E7553	11.5	25
173	Verteporfin inhibits growth of human glioma in vitro without light activation. <i>Scientific Reports</i> , 2017 , 7, 7602	4.9	49
172	Atorvastatin Promotes Phagocytosis and Attenuates Pro-Inflammatory Response in Human Retinal Pigment Epithelial Cells. <i>Scientific Reports</i> , 2017 , 7, 2329	4.9	15

171	AICAR suppresses TNF- β -induced complement factor B in RPE cells. <i>Scientific Reports</i> , 2017 , 7, 17651	4.9	5
170	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2017 , 12, e0177749	3.7	32
169	Diabetic Choroidopathy: Choroidal Vascular Density and Volume in Diabetic Retinopathy With Swept-Source Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2017 , 184, 75-83	4.9	51
168	Drug Delivery Nanoparticles: Toxicity Comparison in Retinal Pigment Epithelium and Retinal Vascular Endothelial Cells. <i>Seminars in Ophthalmology</i> , 2016 , 31, 1-9	2.4	19
167	Regression of Some High-risk Features of Age-related Macular Degeneration (AMD) in Patients Receiving Intensive Statin Treatment. <i>EBioMedicine</i> , 2016 , 5, 198-203	8.8	79
166	AMPK-Activated Protein Kinase Suppresses Ccr2 Expression by Inhibiting the NF- κ B Pathway in RAW264.7 Macrophages. <i>PLoS ONE</i> , 2016 , 11, e0147279	3.7	19
165	Beyond VEGF-The Weisenfeld Lecture 2016 , 57, 6911-6918		36
164	VEGF: From Discovery to Therapy: The Champalimaud Award Lecture. <i>Translational Vision Science and Technology</i> , 2016 , 5, 9	3.3	31
163	miR-17-3p Exacerbates Oxidative Damage in Human Retinal Pigment Epithelial Cells. <i>PLoS ONE</i> , 2016 , 11, e0160887	3.7	21
162	Assessing Resident Cataract Surgery Outcomes Using Medicare Physician Quality Reporting System Measures. <i>Journal of Surgical Education</i> , 2016 , 73, 774-9	3.4	13
161	An Experimental Animal Model of Photodynamic Optic Nerve Head Injury (PONHI). <i>Current Eye Research</i> , 2016 , 41, 1498-1506	2.9	2
160	Second Primary Neoplasms in Patients With Uveal Melanoma: A SEER Database Analysis. <i>American Journal of Ophthalmology</i> , 2016 , 165, 54-64	4.9	14
159	Inhibition of the alternative complement pathway preserves photoreceptors after retinal injury. <i>Science Translational Medicine</i> , 2015 , 7, 297ra116	17.5	28
158	Sentinel Events, Serious Reportable Events, and Root Cause Analysis. <i>JAMA Ophthalmology</i> , 2015 , 133, 631-2	3.9	3
157	Mitochondrial DNA has a pro-inflammatory role in AMD. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 2897-906	4.9	28
156	Age-Related Macular Degeneration: Advances in Management and Diagnosis. <i>Journal of Clinical Medicine</i> , 2015 , 4, 343-59	5.1	83
155	Ancestry of the Timorese: age-related macular degeneration associated genotype and allele sharing among human populations from throughout the world. <i>Frontiers in Genetics</i> , 2015 , 6, 238	4.5	4
154	A Novel ImageJ Macro for Automated Cell Death Quantitation in the Retina 2015 , 56, 6701-8		21

153	The clinically used photosensitizer Verteporfin (VP) inhibits YAP-TEAD and human retinoblastoma cell growth in vitro without light activation. <i>Experimental Eye Research</i> , 2014 , 124, 67-73	3.7	148
152	The Harvard angiogenesis story. <i>Survey of Ophthalmology</i> , 2014 , 59, 361-4	6.1	4
151	Ocular blast injuries in mass-casualty incidents: the marathon bombing in Boston, Massachusetts, and the fertilizer plant explosion in West, Texas. <i>Ophthalmology</i> , 2014 , 121, 1670-6.e1	7.3	28
150	Effects of metformin on retinoblastoma growth in vitro and in vivo. <i>International Journal of Oncology</i> , 2014 , 45, 2311-24	4.4	18
149	EGF-like-domain-7 is required for VEGF-induced Akt/ERK activation and vascular tube formation in an ex vivo angiogenesis assay. <i>PLoS ONE</i> , 2014 , 9, e91849	3.7	21
148	Characterization of a spontaneous retinal neovascular mouse model. <i>PLoS ONE</i> , 2014 , 9, e106507	3.7	25
147	Uveal melanoma cell growth is inhibited by aminoimidazole carboxamide ribonucleotide (AICAR) partially through activation of AMP-dependent kinase 2014 , 55, 4175-85		6
146	FLT1 genetic variation predisposes to neovascular AMD in ethnically diverse populations and alters systemic FLT1 expression 2014 , 55, 3543-54		14
145	Disruption of the blood-aqueous barrier and lens abnormalities in mice lacking lysyl oxidase-like 1 (LOXL1) 2014 , 55, 856-64		30
144	Strain difference in photoreceptor cell death after retinal detachment in mice 2014 , 55, 4165-74		46
143	Proton beam irradiation for non-AMD CNV: 2-year results of a randomised clinical trial. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1212-7	5.5	5
142	Cytochrome P450-generated metabolites derived from EB fatty acids attenuate neovascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9603-8	11.5	56
141	Programmed necrosis, not apoptosis, is a key mediator of cell loss and DAMP-mediated inflammation in dsRNA-induced retinal degeneration. <i>Cell Death and Differentiation</i> , 2014 , 21, 270-7	12.7	133
140	Cholesterol crystals induce inflammatory cytokines expression in a human retinal pigment epithelium cell line by activating the NF- κ B pathway. <i>Discovery Medicine</i> , 2014 , 18, 7-14	2.5	10
139	Vascular endothelial growth factor a in intraocular vascular disease. <i>Ophthalmology</i> , 2013 , 120, 106-14	7.3	275
138	Basic Mechanisms of Pathological Retinal and Choroidal Angiogenesis 2013 , 562-578		0
137	Photoreceptor cell death and rescue in retinal detachment and degenerations. <i>Progress in Retinal and Eye Research</i> , 2013 , 37, 114-40	20.5	134
136	Conversion to aflibercept for chronic refractory or recurrent neovascular age-related macular degeneration. <i>American Journal of Ophthalmology</i> , 2013 , 156, 29-35.e2	4.9	146

135	Age-related macular degeneration revisited--piecing the puzzle: the LXIX Edward Jackson memorial lecture. <i>American Journal of Ophthalmology</i> , 2013 , 155, 1-35.e13	4.9	192
134	On the edge: the clinician-scientist in ophthalmology. <i>JAMA Ophthalmology</i> , 2013 , 131, 1401-2	3.9	11
133	Pharmacogenetics of the treatment response of age-related macular degeneration with ranibizumab and bevacizumab. <i>Seminars in Ophthalmology</i> , 2013 , 28, 355-60	2.4	9
132	AMP-dependent kinase inhibits oxidative stress-induced caveolin-1 phosphorylation and endocytosis by suppressing the dissociation between c-Abl and Prdx1 proteins in endothelial cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20581-91	5.4	34
131	Intravitreal injections at the Massachusetts Eye and Ear Infirmary: analysis of treatment indications and postinjection endophthalmitis rates. <i>British Journal of Ophthalmology</i> , 2013 , 97, 460-5	5.5	45
130	Retinal detachment model in rodents by subretinal injection of sodium hyaluronate. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	31
129	Aminoimidazole carboxamide ribonucleotide (AICAR) inhibits the growth of retinoblastoma in vivo by decreasing angiogenesis and inducing apoptosis. <i>PLoS ONE</i> , 2013 , 8, e52852	3.7	33
128	Evidence for baseline retinal pigment epithelium pathology in the Trp1-Cre mouse. <i>American Journal of Pathology</i> , 2012 , 180, 1917-27	5.8	29
127	The regulatory roles of apoptosis-inducing factor in the formation and regression processes of ocular neovascularization. <i>American Journal of Pathology</i> , 2012 , 181, 53-61	5.8	14
126	Etanercept, a widely used inhibitor of tumor necrosis factor- α (TNF- α) prevents retinal ganglion cell loss in a rat model of glaucoma. <i>PLoS ONE</i> , 2012 , 7, e40065	3.7	141
125	Evaluation of tissue interactions with mechanical elements of a transscleral drug delivery device. <i>Pharmaceutics</i> , 2012 , 4, 212-29	6.4	2
124	Aminoimidazole carboxamide ribonucleotide ameliorates experimental autoimmune uveitis 2012 , 53, 4158-69		29
123	Heat treatment of retinal pigment epithelium induces production of elastic lamina components and antiangiogenic activity. <i>FASEB Journal</i> , 2012 , 26, 567-75	0.9	13
122	Receptor interacting protein kinase mediates necrotic cone but not rod cell death in a mouse model of inherited degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14598-603	11.5	137
121	Heat shock protein 70 (HSP70) is critical for the photoreceptor stress response after retinal detachment via modulating anti-apoptotic Akt kinase. <i>American Journal of Pathology</i> , 2011 , 178, 1080-91	5.8	46
120	Inhibitory effect of aminoimidazole carboxamide ribonucleotide (AICAR) on endotoxin-induced uveitis in rats 2011 , 52, 6565-71		23
119	Anti-vascular endothelial growth factor monotherapy versus combination treatment with photodynamic therapy for subfoveal choroidal neovascularization secondary to causes other than age-related macular degeneration. <i>Retina</i> , 2011 , 31, 2078-83	3.6	4
118	Displayed reflectivity of choroidal neovascular membranes by optical coherence tomography correlates with presence of leakage by fluorescein angiography. <i>Retina</i> , 2011 , 31, 942-8	3.6	22

117	Systems biology-based analysis implicates a novel role for vitamin D metabolism in the pathogenesis of age-related macular degeneration. <i>Human Genomics</i> , 2011 , 5, 538-68	6.8	50
116	Identifying subtypes of patients with neovascular age-related macular degeneration by genotypic and cardiovascular risk characteristics. <i>BMC Medical Genetics</i> , 2011 , 12, 83	2.1	11
115	Inhibition of choroidal neovascularization in a nonhuman primate model by intravitreal administration of an AAV2 vector expressing a novel anti-VEGF molecule. <i>Molecular Therapy</i> , 2011 , 19, 260-5	11.7	70
114	Spectral-domain optical coherence tomography as an indicator of fluorescein angiography leakage from choroidal neovascularization 2011 , 52, 5579-86		49
113	In vivo evaluation of laser-induced choroidal neovascularization using spectral-domain optical coherence tomography 2011 , 52, 3880-7		69
112	Edaravone, an ROS scavenger, ameliorates photoreceptor cell death after experimental retinal detachment 2011 , 52, 3825-31		53
111	Tumor necrosis factor-alpha mediates photoreceptor death in a rodent model of retinal detachment 2011 , 52, 1384-91		69
110	AMP-activated protein kinase suppresses matrix metalloproteinase-9 expression in mouse embryonic fibroblasts. <i>Journal of Biological Chemistry</i> , 2011 , 286, 16030-8	5.4	45
109	Utilizing targeted gene therapy with nanoparticles binding alpha v beta 3 for imaging and treating choroidal neovascularization. <i>PLoS ONE</i> , 2011 , 6, e18864	3.7	23
108	Tauroursodeoxycholic acid (TUDCA) protects photoreceptors from cell death after experimental retinal detachment. <i>PLoS ONE</i> , 2011 , 6, e24245	3.7	69
107	Influence of ROBO1 and RORA on risk of age-related macular degeneration reveals genetically distinct phenotypes in disease pathophysiology. <i>PLoS ONE</i> , 2011 , 6, e25775	3.7	22
106	RIP kinase-mediated necrosis as an alternative mechanisms of photoreceptor death. <i>Oncotarget</i> , 2011 , 2, 497-509	3.3	40
105	A novel nonradioactive method to evaluate vascular barrier breakdown and leakage 2010 , 51, 1677-82		12
104	Receptor interacting protein kinases mediate retinal detachment-induced photoreceptor necrosis and compensate for inhibition of apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21695-700	11.5	249
103	Fundus autofluorescence in geographic atrophy: a review. <i>Seminars in Ophthalmology</i> , 2010 , 25, 206-13	2.4	18
102	Retinoblastoma cells are inhibited by aminoimidazole carboxamide ribonucleotide (AICAR) partially through activation of AMP-dependent kinase. <i>FASEB Journal</i> , 2010 , 24, 2620-30	0.9	30
101	Neovascularization in diabetic retinopathy 2010 , 514-518		1
100	Reproducibility of retinal thickness measurements on normal and pathologic eyes by different optical coherence tomography instruments. <i>American Journal of Ophthalmology</i> , 2010 , 150, 815-24	4.9	130

99	Genetic variants near TIMP3 and high-density lipoprotein-associated loci influence susceptibility to age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7401-6	11.5	417
98	Treatment of age-related macular degeneration: beyond VEGF. <i>Japanese Journal of Ophthalmology</i> , 2010 , 54, 523-8	2.6	27
97	Convergence of linkage, gene expression and association data demonstrates the influence of the RAR-related orphan receptor alpha (RORA) gene on neovascular AMD: a systems biology based approach. <i>Vision Research</i> , 2010 , 50, 698-715	2.1	37
96	Review of the ocular angiogenesis animal models. <i>Seminars in Ophthalmology</i> , 2009 , 24, 52-61	2.4	46
95	Molecular sequelae of histone deacetylase inhibition in human retinoblastoma cell lines: clinical implications 2009 , 50, 4072-9		14
94	Spectral domain optical coherence tomography for quantitative evaluation of drusen and associated structural changes in non-neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2009 , 93, 176-81	5.5	66
93	Review of anti-VEGF therapy in proliferative diabetic retinopathy. <i>Seminars in Ophthalmology</i> , 2009 , 24, 87-92	2.4	73
92	Role of alpha 4 integrin (CD49d) in the pathogenesis of diabetic retinopathy 2009 , 50, 4898-904		43
91	Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. <i>Experimental Neurology</i> , 2009 , 218, 347-52	5.7	20
90	Comprehensive analysis of complement factor H and LOC387715/ARMS2/HTRA1 variants with respect to phenotype in advanced age-related macular degeneration. <i>American Journal of Ophthalmology</i> , 2009 , 148, 869-74	4.9	48
89	Proliferative vitreoretinopathy: pathobiology and therapeutic targets. <i>Seminars in Ophthalmology</i> , 2009 , 24, 62-9	2.4	42
88	Legacy of the age-related eye disease [corrected] study. <i>JAMA Ophthalmology</i> , 2009 , 127, 1680-5		1
87	Age-related macular degeneration. <i>New England Journal of Medicine</i> , 2008 , 358, 2606-17	59.2	1152
86	Alleles in the HtrA serine peptidase 1 gene alter the risk of neovascular age-related macular degeneration. <i>Ophthalmology</i> , 2008 , 115, 1209-1215.e7	7.3	80
85	Inhibition of vascular adhesion protein-1 suppresses endotoxin-induced uveitis. <i>FASEB Journal</i> , 2008 , 22, 1094-103	0.9	49
84	Increased choroidal neovascularization following laser induction in mice lacking lysyl oxidase-like 1. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2599-605		49
83	In vivo imaging of endothelial injury in choriocapillaris during endotoxin-induced uveitis. <i>FASEB Journal</i> , 2008 , 22, 1973-80	0.9	14
82	Preliminary results of gene therapy for retinal degeneration. <i>New England Journal of Medicine</i> , 2008 , 358, 2282-4	59.2	26

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2	Combined inhibition of apoptosis and necrosis promotes transient neuroprotection of retinal ganglion cells and partial-axon regeneration after optic nerve damage		2
1	Blocking the Necroptosis Pathway Decreases RPE and Photoreceptor Damage Induced by NaIO ₃		2