

# Joan W Miller

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8160811/joan-w-miller-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Age-related macular degeneration. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 2606-17  | 59.2 | 1152      |
| 241 | Increased vascular endothelial growth factor levels in the vitreous of eyes with proliferative diabetic retinopathy. <i>American Journal of Ophthalmology</i> , <b>1994</b> , 118, 445-50  | 4.9  | 1103      |
| 240 | Prevention of experimental choroidal neovascularization with intravitreal anti-vascular endothelial growth factor antibody fragment. <i>JAMA Ophthalmology</i> , <b>2002</b> , 120, 338-46   |      | 482       |
| 239 | Intravitreal injections of vascular endothelial growth factor produce retinal ischemia and microangiopathy in an adult primate. <i>Ophthalmology</i> , <b>1996</b> , 103, 1820-8   | 7.3  | 430       |
| 238 | 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> , <b>2010</b> , 107, 7401-6  | 11.5 | 417       |
| 237 | VEGF164-mediated inflammation is required for pathological, but not physiological, ischemia-induced retinal neovascularization. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 483-9   | 16.6 | 368       |
| 236 | Tumor necrosis factor-alpha mediates oligodendrocyte death and delayed retinal ganglion cell loss in a mouse model of glaucoma. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 12633-41  | 6.6  | 323       |
| 235 | Verteporfin therapy of subfoveal choroidal neovascularization in pathologic myopia: 2-year results of a randomized clinical trial--VIP report no. 3. <i>Ophthalmology</i> , <b>2003</b> , 110, 667-73  | 7.3  | 317       |
| 234 | Vascular endothelial growth factor a in intraocular vascular disease. <i>Ophthalmology</i> , <b>2013</b> , 120, 106-14   | 7.3  | 275       |
| 233 | Photodynamic therapy with verteporfin for choroidal neovascularization caused by age-related macular degeneration: results of a single treatment in a phase 1 and 2 study. <i>JAMA Ophthalmology</i> , <b>1999</b> , 117, 1161-73  |      | 253       |
| 232 | 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> , <b>2010</b> , 107, 21695-700   | 11.5 | 249       |
| 231 | Effect of lesion size, visual acuity, and lesion composition on visual acuity change with and without verteporfin therapy for choroidal neovascularization secondary to age-related macular degeneration: TAP and VIP report no. 1. <i>American Journal of Ophthalmology</i> , <b>2003</b> , 136, 407-18 | 4.9  | 246       |
| 230 | Monocyte chemoattractant protein 1 mediates retinal detachment-induced photoreceptor apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2425-30  | 11.5 | 227       |
| 229 | Vascular endothelial growth factor in ocular neovascularization and proliferative diabetic retinopathy. <i>Diabetes/metabolism Reviews</i> , <b>1997</b> , 13, 37-50   |      | 208       |
| 228 | Maximum tolerated dose of a humanized anti-vascular endothelial growth factor antibody fragment for treating neovascular age-related macular degeneration. <i>Ophthalmology</i> , <b>2005</b> , 112, 1048-53   | 7.3  | 195       |
| 227 | Age-related macular degeneration revisited--piecing the puzzle: the LXIX Edward Jackson memorial lecture. <i>American Journal of Ophthalmology</i> , <b>2013</b> , 155, 1-35.e13   | 4.9  | 192       |
| 226 | Anti-vascular endothelial growth factor therapy for ocular neovascular disease. <i>Current Opinion in Ophthalmology</i> , <b>2007</b> , 18, 502-8  | 5.1  | 191       |

|     |   |      |     |
|-----|---|------|-----|
| 225 | Liposomal benzoporphyrin derivative verteporfin photodynamic therapy. Selective treatment of choroidal neovascularization in monkeys. <i>Ophthalmology</i> , <b>1996</b> , 103, 427-38  | 7.3  | 179 |
| 224 | Photodynamic therapy of experimental choroidal neovascularization using lipoprotein-delivered benzoporphyrin. <i>JAMA Ophthalmology</i> , <b>1995</b> , 113, 810-8  |      | 172 |
| 223 | Verteporfin therapy for subfoveal choroidal neovascularization in age-related macular degeneration: three-year results of an open-label extension of 2 randomized clinical trials--TAP Report no. 5. <i>JAMA Ophthalmology</i> , <b>2002</b> , 120, 1307-14 |      | 171 |
| 222 | The clinically used photosensitizer Verteporfin (VP) inhibits YAP-TEAD and human retinoblastoma cell growth in vitro without light activation. <i>Experimental Eye Research</i> , <b>2014</b> , 124, 67-73  | 3.7  | 148 |
| 221 | Conversion to aflibercept for chronic refractory or recurrent neovascular age-related macular degeneration. <i>American Journal of Ophthalmology</i> , <b>2013</b> , 156, 29-35.e2  | 4.9  | 146 |
| 220 | Controlled delivery of the anti-VEGF aptamer EYE001 with poly(lactic-co-glycolic)acid microspheres. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 290-9   |      | 142 |
| 219 | Etanercept, a widely used inhibitor of tumor necrosis factor- $\alpha$ (TNF- $\alpha$ ), prevents retinal ganglion cell loss in a rat model of glaucoma. <i>PLoS ONE</i> , <b>2012</b> , 7, e40065  | 3.7  | 141 |
| 218 | 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> , <b>2012</b> , 109, 14598-603         | 11.5 | 137 |
| 217 | Photoreceptor cell death and rescue in retinal detachment and degenerations. <i>Progress in Retinal and Eye Research</i> , <b>2013</b> , 37, 114-40   | 20.5 | 134 |
| 216 | Attenuated glial reactions and photoreceptor degeneration after retinal detachment in mice deficient in glial fibrillary acidic protein and vimentin. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2760-8                      |      | 134 |
| 215 | 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> , <b>2014</b> , 21, 270-7  | 12.7 | 133 |
| 214 | Reproducibility of retinal thickness measurements on normal and pathologic eyes by different optical coherence tomography instruments. <i>American Journal of Ophthalmology</i> , <b>2010</b> , 150, 815-24   | 4.9  | 130 |
| 213 | Acute severe visual acuity decrease after photodynamic therapy with verteporfin: case reports from randomized clinical trials-TAP and VIP report no. 3. <i>American Journal of Ophthalmology</i> , <b>2004</b> , 137, 683-96                                | 4.9  | 121 |
| 212 | Characterization of cytokine responses to retinal detachment in rats. <i>Molecular Vision</i> , <b>2006</b> , 12, 867-78  | 2.3  | 113 |
| 211 | Targeted disruption of the CD18 or ICAM-1 gene inhibits choroidal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 2743-9  |      | 111 |
| 210 | Verteporfin photodynamic therapy retreatment of normal retina and choroid in the cynomolgus monkey. <i>Ophthalmology</i> , <b>1999</b> , 106, 1915-23   | 7.3  | 109 |
| 209 | A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. <i>Nature Communications</i> , <b>2019</b> , 10, 3347   | 17.4 | 104 |
| 208 | Cigarette smoking, CFH, APOE, ELOVL4, and risk of neovascular age-related macular degeneration. <i>JAMA Ophthalmology</i> , <b>2007</b> , 125, 49-54  |      | 103 |

|     |  |      |    |
|-----|--|------|----|
| 207 | Caspase activation in an experimental model of retinal detachment. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 1262-7  |      | 98 |
| 206 | DNA sequence variants in the LOXL1 gene are associated with pseudoexfoliation glaucoma in a U.S. clinic-based population with broad ethnic diversity. <i>BMC Medical Genetics</i> , <b>2008</b> , 9, 5                                       | 2.1  | 91 |
| 205 | Photodynamic therapy of subfoveal choroidal neovascularization: clinical and angiographic examples. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>1998</b> , 236, 365-74   | 3.8  | 88 |
| 204 | Age-Related Macular Degeneration: Advances in Management and Diagnosis. <i>Journal of Clinical Medicine</i> , <b>2015</b> , 4, 343-59  | 5.1  | 83 |
| 203 | Safety and efficacy of intravitreal injection of ranibizumab in combination with verteporfin PDT on experimental choroidal neovascularization in the monkey. <i>JAMA Ophthalmology</i> , <b>2005</b> , 123, 509-16                           |      | 83 |
| 202 | Alleles in the HtrA serine peptidase 1 gene alter the risk of neovascular age-related macular degeneration. <i>Ophthalmology</i> , <b>2008</b> , 115, 1209-1215.e7   | 7.3  | 80 |
| 201 | Regression of Some High-risk Features of Age-related Macular Degeneration (AMD) in Patients Receiving Intensive Statin Treatment. <i>EBioMedicine</i> , <b>2016</b> , 5, 198-203   | 8.8  | 79 |
| 200 | Successful treatment of Fusarium endophthalmitis with voriconazole and Aspergillus endophthalmitis with voriconazole plus caspofungin. <i>American Journal of Ophthalmology</i> , <b>2005</b> , 140, 552-4                                   | 4.9  | 79 |
| 199 | FAS-mediated apoptosis and its relation to intrinsic pathway activation in an experimental model of retinal detachment. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 4563-9                                     |      | 76 |
| 198 | Review of anti-VEGF therapy in proliferative diabetic retinopathy. <i>Seminars in Ophthalmology</i> , <b>2009</b> , 24, 87-92  | 2.4  | 73 |
| 197 | Inhibition of Hsp90 attenuates inflammation in endotoxin-induced uveitis. <i>FASEB Journal</i> , <b>2007</b> , 21, 2113-23   | 3.3  | 71 |
| 196 | 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> , <b>2011</b> , 19, 260-5                            | 11.7 | 70 |
| 195 | In vivo evaluation of laser-induced choroidal neovascularization using spectral-domain optical coherence tomography <b>2011</b> , 52, 3880-7   |      | 69 |
| 194 | Tumor necrosis factor-alpha mediates photoreceptor death in a rodent model of retinal detachment <b>2011</b> , 52, 1384-91   |      | 69 |
| 193 | Tauroursodeoxycholic acid (TUDCA) protects photoreceptors from cell death after experimental retinal detachment. <i>PLoS ONE</i> , <b>2011</b> , 6, e24245   | 3.7  | 69 |
| 192 | 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> , <b>2009</b> , 93, 176-81 | 5.5  | 66 |
| 191 | Histologic correlation of in vivo optical coherence tomography images of the human retina. <i>American Journal of Ophthalmology</i> , <b>2006</b> , 141, 1165-8  | 4.9  | 64 |
| 190 | Localization of lipoprotein-delivered benzoporphyrin derivative in the rabbit eye. <i>Current Eye Research</i> , <b>1997</b> , 16, 83-90   | 2.9  | 61 |

|     |  |      |    |
|-----|--|------|----|
| 189 | 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> , <b>2018</b> , 115, E6264-E6273        | 11.5 | 60 |
| 188 | Identification of Chlamydia pneumoniae within human choroidal neovascular membranes secondary to age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2005</b> , 243, 1080-90                 | 3.8  | 57 |
| 187 | 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> , <b>2014</b> , 111, 9603-8                                 | 11.5 | 56 |
| 186 | Endogenous endostatin inhibits choroidal neovascularization. <i>FASEB Journal</i> , <b>2007</b> , 21, 3809-18  | 0.9  | 56 |
| 185 | Phthalocyanine photodynamic therapy of experimental iris neovascularization. <i>Ophthalmology</i> , <b>1991</b> , 98, 1711-9   | 7.3  | 54 |
| 184 | Edaravone, an ROS scavenger, ameliorates photoreceptor cell death after experimental retinal detachment <b>2011</b> , 52, 3825-31  |      | 53 |
| 183 | Vascular adhesion protein-1 blockade suppresses choroidal neovascularization. <i>FASEB Journal</i> , <b>2008</b> , 22, 2928-35   | 0.9  | 53 |
| 182 | Selective photodynamic therapy by targeted verteporfin delivery to experimental choroidal neovascularization mediated by a homing peptide to vascular endothelial growth factor receptor-2. <i>JAMA Ophthalmology</i> , <b>2004</b> , 122, 1002-11 |      | 53 |
| 181 | Predictors of visual outcome and choroidal neovascular membrane formation after traumatic choroidal rupture. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 957-66   |      | 52 |
| 180 | Expression of pigment epithelium-derived factor in experimental choroidal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1574-80  |      | 52 |
| 179 | Photosensitizer delivery for photodynamic therapy of choroidal neovascularization. <i>Advanced Drug Delivery Reviews</i> , <b>2001</b> , 52, 63-78   | 18.5 | 51 |
| 178 | Diabetic Choroidopathy: Choroidal Vascular Density and Volume in Diabetic Retinopathy With Swept-Source Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , <b>2017</b> , 184, 75-83  | 4.9  | 51 |
| 177 | Systems biology-based analysis implicates a novel role for vitamin D metabolism in the pathogenesis of age-related macular degeneration. <i>Human Genomics</i> , <b>2011</b> , 5, 538-68   | 6.8  | 50 |
| 176 | Verteporfin inhibits growth of human glioma in vitro without light activation. <i>Scientific Reports</i> , <b>2017</b> , 7, 7602   | 4.9  | 49 |
| 175 | Spectral-domain optical coherence tomography as an indicator of fluorescein angiography leakage from choroidal neovascularization <b>2011</b> , 52, 5579-86  |      | 49 |
| 174 | Inhibition of vascular adhesion protein-1 suppresses endotoxin-induced uveitis. <i>FASEB Journal</i> , <b>2008</b> , 22, 1094-103  | 0.9  | 49 |
| 173 | Increased choroidal neovascularization following laser induction in mice lacking lysyl oxidase-like 1. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 2599-605  |      | 49 |
| 172 | The NEI/NCBI dbGAP database: genotypes and haplotypes that may specifically predispose to risk of neovascular age-related macular degeneration. <i>BMC Medical Genetics</i> , <b>2008</b> , 9, 51  | 2.1  | 49 |

|     |   |      |    |
|-----|---|------|----|
| 171 | Modulation of human fibroblast activity by selected angiogenesis inhibitors. <i>Experimental Eye Research</i> , <b>1994</b> , 58, 439-51  | 3.7  | 49 |
| 170 | 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> , <b>2009</b> , 148, 869-74       | 4.9  | 48 |
| 169 | Metabolomics in the study of retinal health and disease. <i>Progress in Retinal and Eye Research</i> , <b>2019</b> , 69, 57-79  | 20.5 | 48 |
| 168 | HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2025-38  | 15.9 | 47 |
| 167 | CHOROIDAL THICKNESS IN DIABETIC RETINOPATHY ASSESSED WITH SWEEP-SOURCE OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , <b>2018</b> , 38, 173-182  | 3.6  | 46 |
| 166 | Strain difference in photoreceptor cell death after retinal detachment in mice <b>2014</b> , 55, 4165-74  |      | 46 |
| 165 | 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> , <b>2011</b> , 178, 1080-91 <sup>5.8</sup> |      | 46 |
| 164 | Review of the ocular angiogenesis animal models. <i>Seminars in Ophthalmology</i> , <b>2009</b> , 24, 52-61   | 2.4  | 46 |
| 163 | Intravitreal injections at the Massachusetts Eye and Ear Infirmary: analysis of treatment indications and postinjection endophthalmitis rates. <i>British Journal of Ophthalmology</i> , <b>2013</b> , 97, 460-5                    | 5.5  | 45 |
| 162 | AMP-activated protein kinase suppresses matrix metalloproteinase-9 expression in mouse embryonic fibroblasts. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16030-8   | 5.4  | 45 |
| 161 | Effect of intravitreal injection of ranibizumab in combination with verteporfin PDT on normal primate retina and choroid. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 357-63                          |      | 45 |
| 160 | Role of alpha 4 integrin (CD49d) in the pathogenesis of diabetic retinopathy <b>2009</b> , 50, 4898-904   |      | 43 |
| 159 | Mechanisms of age-related macular degeneration. <i>Ophthalmology Clinics of North America</i> , <b>2002</b> , 15, 87-91   |      | 43 |
| 158 | Human Plasma Metabolomics Study across All Stages of Age-Related Macular Degeneration Identifies Potential Lipid Biomarkers. <i>Ophthalmology</i> , <b>2018</b> , 125, 245-254  | 7.3  | 42 |
| 157 | Proliferative vitreoretinopathy: pathobiology and therapeutic targets. <i>Seminars in Ophthalmology</i> , <b>2009</b> , 24, 62-9  | 2.4  | 42 |
| 156 | Proton beam irradiation for neovascular age-related macular degeneration. <i>Ophthalmology</i> , <b>2006</b> , 113, 2012-9  | 7.3  | 42 |
| 155 | Structural Changes Associated with Delayed Dark Adaptation in Age-Related Macular Degeneration. <i>Ophthalmology</i> , <b>2017</b> , 124, 1340-1352   | 7.3  | 41 |
| 154 | RIP kinase-mediated necrosis as an alternative mechanisms of photoreceptor death. <i>Oncotarget</i> , <b>2011</b> , 2, 497-509  | 3.3  | 40 |

|     |   |     |    |
|-----|---|-----|----|
| 153 | Advances in Age-related Macular Degeneration Understanding and Therapy. <i>US Ophthalmic Review</i> , <b>2017</b> , 10, 119-130   | 0.3 | 39 |
| 152 | Extremely discordant sib-pair study design to determine risk factors for neovascular age-related macular degeneration. <i>JAMA Ophthalmology</i> , <b>2004</b> , 122, 575-80  |     | 38 |
| 151 | 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> , <b>2017</b> , 7, 46581   | 4.9 | 37 |
| 150 | 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> , <b>2010</b> , 50, 698-715         | 2.1 | 37 |
| 149 | Expression of leukocyte adhesion molecules in human subfoveal choroidal neovascular membranes treated with and without photodynamic therapy. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 2368-73                                |     | 36 |
| 148 | Beyond VEGF-The Weisenfeld Lecture <b>2016</b> , 57, 6911-6918  |     | 36 |
| 147 | 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> , <b>2013</b> , 288, 20581-91 | 5.4 | 34 |
| 146 | Human retinoblastoma cells are resistant to apoptosis induced by death receptors: role of caspase-8 gene silencing. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 358-66  |     | 34 |
| 145 | Medical treatment of choroidal neovascularization secondary to age-related macular degeneration. <i>International Ophthalmology Clinics</i> , <b>2005</b> , 45, 115-32  | 1.7 | 33 |
| 144 | Aminoimidazole carboxamide ribonucleotide (AICAR) inhibits the growth of retinoblastoma in vivo by decreasing angiogenesis and inducing apoptosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e52852  | 3.7 | 33 |
| 143 | Verteporfin photodynamic therapy in the rat model of choroidal neovascularization: angiographic and histologic characterization. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 2384-91  |     | 33 |
| 142 | Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177749   | 3.7 | 32 |
| 141 | Issues with the Specificity of Immunological Reagents for NLRP3: Implications for Age-related Macular Degeneration. <i>Scientific Reports</i> , <b>2018</b> , 8, 461  | 4.9 | 31 |
| 140 | Retinal detachment model in rodents by subretinal injection of sodium hyaluronate. <i>Journal of Visualized Experiments</i> , <b>2013</b> ,   | 1.6 | 31 |
| 139 | Photodynamic therapy and digital angiography of experimental iris neovascularization using liposomal benzoporphyrin derivative. <i>Ophthalmology</i> , <b>1997</b> , 104, 1242-50   | 7.3 | 31 |
| 138 | VEGF: From Discovery to Therapy: The Champalimaud Award Lecture. <i>Translational Vision Science and Technology</i> , <b>2016</b> , 5, 9  | 3.3 | 31 |
| 137 | Disruption of the blood-aqueous barrier and lens abnormalities in mice lacking lysyl oxidase-like 1 (LOXL1) <b>2014</b> , 55, 856-64  |     | 30 |
| 136 | Retinoblastoma cells are inhibited by aminoimidazole carboxamide ribonucleotide (AICAR) partially through activation of AMP-dependent kinase. <i>FASEB Journal</i> , <b>2010</b> , 24, 2620-30  | 0.9 | 30 |

|     |  |      |    |
|-----|--|------|----|
| 135 | Characterization of azurocidin as a permeability factor in the retina: involvement in VEGF-induced and early diabetic blood-retinal barrier breakdown. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 726-31                      |      | 30 |
| 134 | Predictability and limitations of non-invasive murine tonometry: comparison of two devices. <i>Experimental Eye Research</i> , <b>2006</b> , 83, 194-201   | 3.7  | 30 |
| 133 | Evidence for baseline retinal pigment epithelium pathology in the Trp1-Cre mouse. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 1917-27  | 5.8  | 29 |
| 132 | Aminoimidazole carboxamide ribonucleotide ameliorates experimental autoimmune uveitis <b>2012</b> , 53, 4158-69  |      | 29 |
| 131 | The proteasome inhibitor bortezomib induces apoptosis in human retinoblastoma cell lines in vitro. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4706-19   |      | 29 |
| 130 | Comprehensive analysis of CRP, CFH Y402H and environmental risk factors on risk of neovascular age-related macular degeneration. <i>Molecular Vision</i> , <b>2008</b> , 14, 1487-95   | 2.3  | 29 |
| 129 | Endogenous Endophthalmitis in the American and Korean Population: An 8-year Retrospective Study. <i>Ocular Immunology and Inflammation</i> , <b>2018</b> , 26, 496-503   | 2.8  | 29 |
| 128 | Imaging Artifacts and Segmentation Errors With Wide-Field Swept-Source Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>Translational Vision Science and Technology</i> , <b>2019</b> , 8, 18  | 3.3  | 29 |
| 127 | Inhibition of the alternative complement pathway preserves photoreceptors after retinal injury. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 297ra116  | 17.5 | 28 |
| 126 | Mitochondrial DNA has a pro-inflammatory role in AMD. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 2897-906  | 4.9  | 28 |
| 125 | Ocular blast injuries in mass-casualty incidents: the marathon bombing in Boston, Massachusetts, and the fertilizer plant explosion in West, Texas. <i>Ophthalmology</i> , <b>2014</b> , 121, 1670-6.e1  | 7.3  | 28 |
| 124 | Anti-vascular endothelial growth factor strategies for the treatment of choroidal neovascularization from age-related macular degeneration. <i>International Ophthalmology Clinics</i> , <b>2004</b> , 44, 23-32   | 1.7  | 28 |
| 123 | An antisense oligodeoxynucleotide against vascular endothelial growth factor in a nonhuman primate model of iris neovascularization. <i>JAMA Ophthalmology</i> , <b>2005</b> , 123, 214-9  |      | 28 |
| 122 | Treatment of age-related macular degeneration: beyond VEGF. <i>Japanese Journal of Ophthalmology</i> , <b>2010</b> , 54, 523-8   | 2.6  | 27 |
| 121 | Preliminary results of gene therapy for retinal degeneration. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 2282-4   | 59.2 | 26 |
| 120 | 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> , <b>2017</b> , 114, E7545-E7553 | 11.5 | 25 |
| 119 | Characterization of a spontaneous retinal neovascular mouse model. <i>PLoS ONE</i> , <b>2014</b> , 9, e106507  | 3.7  | 25 |
| 118 | Dose-dependent effect of pitavastatin on VEGF and angiogenesis in a mouse model of choroidal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 2623-31   |      | 24 |



|     |   |      |    |
|-----|---|------|----|
| 117 | 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> , <b>2018</b> , 13, e0196481  | 3.7  | 23 |
| 116 | Inhibitory effect of aminoimidazole carboxamide ribonucleotide (AICAR) on endotoxin-induced uveitis in rats <b>2011</b> , 52, 6565-71   |      | 23 |
| 115 | Utilizing targeted gene therapy with nanoparticles binding alpha v beta 3 for imaging and treating choroidal neovascularization. <i>PLoS ONE</i> , <b>2011</b> , 6, e18864  | 3.7  | 23 |
| 114 | Choroidal Changes Associated With Subretinal Drusenoid Deposits in Age-related Macular Degeneration Using Swept-source Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , <b>2017</b> , 180, 55-63  | 4.9  | 22 |
| 113 | Displayed reflectivity of choroidal neovascular membranes by optical coherence tomography correlates with presence of leakage by fluorescein angiography. <i>Retina</i> , <b>2011</b> , 31, 942-8   | 3.6  | 22 |
| 112 | Influence of ROBO1 and RORA on risk of age-related macular degeneration reveals genetically distinct phenotypes in disease pathophysiology. <i>PLoS ONE</i> , <b>2011</b> , 6, e25775   | 3.7  | 22 |
| 111 | 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> , <b>2019</b> , 116, 23724-23734  | 11.5 | 22 |
| 110 | A Novel ImageJ Macro for Automated Cell Death Quantitation in the Retina <b>2015</b> , 56, 6701-8   |      | 21 |
| 109 | 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> , <b>2014</b> , 9, e91849   | 3.7  | 21 |
| 108 | The role of inflammation and infection in age-related macular degeneration. <i>International Ophthalmology Clinics</i> , <b>2007</b> , 47, 185-97   | 1.7  | 21 |
| 107 | miR-17-3p Exacerbates Oxidative Damage in Human Retinal Pigment Epithelial Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160887  | 3.7  | 21 |
| 106 | Imaging the Deep Choroidal Vasculature Using Spectral Domain and Swept Source Optical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , <b>2018</b> , 2, 146-154   | 0.7  | 20 |
| 105 | Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. <i>Experimental Neurology</i> , <b>2009</b> , 218, 347-52  | 5.7  | 20 |
| 104 | Reduced photoreceptor damage after photodynamic therapy through blockade of nitric oxide synthase in a model of choroidal neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 2268-77   |      | 20 |
| 103 | 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> , <b>2021</b> , 105, 577-581 | 5.5  | 20 |
| 102 | Drug Delivery Nanoparticles: Toxicity Comparison in Retinal Pigment Epithelium and Retinal Vascular Endothelial Cells. <i>Seminars in Ophthalmology</i> , <b>2016</b> , 31, 1-9   | 2.4  | 19 |
| 101 | AMPK-Activated Protein Kinase Suppresses Ccr2 Expression by Inhibiting the NF- $\kappa$ B Pathway in RAW264.7 Macrophages. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147279   | 3.7  | 19 |
| 100 | Effects of metformin on retinoblastoma growth in vitro and in vivo. <i>International Journal of Oncology</i> , <b>2014</b> , 45, 2311-24  | 4.4  | 18 |

|    |   |      |    |
|----|---|------|----|
| 99 | Fundus autofluorescence in geographic atrophy: a review. <i>Seminars in Ophthalmology</i> , <b>2010</b> , 25, 206-13  | 2.4  | 18 |
| 98 | Investigating the effect of ciliary body photodynamic therapy in a glaucoma mouse model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 2498-507   |      | 18 |
| 97 | Retinal applications of swept source optical coherence tomography (OCT) and optical coherence tomography angiography (OCTA). <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 84, 100951                             | 20.5 | 18 |
| 96 | Proton beam therapy for age-related macular degeneration: development of a standard plan. <i>Medical Dosimetry</i> , <b>1999</b> , 24, 233-8  | 1.3  | 16 |
| 95 | Microperimetry in age-related macular degeneration: association with macular morphology assessed by optical coherence tomography. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 1769-1776                        | 5.5  | 16 |
| 94 | NLRP3 inflammasome in NMDA-induced retinal excitotoxicity. <i>Experimental Eye Research</i> , <b>2019</b> , 181, 136-144  | 3.7  | 15 |
| 93 | Atorvastatin Promotes Phagocytosis and Attenuates Pro-Inflammatory Response in Human Retinal Pigment Epithelial Cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 2329  | 4.9  | 15 |
| 92 | 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> , <b>2019</b> , 116, 23705-23713         | 11.5 | 15 |
| 91 | 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> , <b>2018</b> , 7, 25 | 3.3  | 15 |
| 90 | Automated Brightness and Contrast Adjustment of Color Fundus Photographs for the Grading of Age-Related Macular Degeneration. <i>Translational Vision Science and Technology</i> , <b>2017</b> , 6, 3                           | 3.3  | 14 |
| 89 | FLT1 genetic variation predisposes to neovascular AMD in ethnically diverse populations and alters systemic FLT1 expression <b>2014</b> , 55, 3543-54   |      | 14 |
| 88 | The regulatory roles of apoptosis-inducing factor in the formation and regression processes of ocular neovascularization. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 53-61                                       | 5.8  | 14 |
| 87 | Molecular sequelae of histone deacetylase inhibition in human retinoblastoma cell lines: clinical implications <b>2009</b> , 50, 4072-9   |      | 14 |
| 86 | In vivo imaging of endothelial injury in choriocapillaris during endotoxin-induced uveitis. <i>FASEB Journal</i> , <b>2008</b> , 22, 1973-80  | 0.9  | 14 |
| 85 | Photoreceptor protection after photodynamic therapy using dexamethasone in a rat model of choroidal neovascularization <b>2008</b> , 49, 5008-14  |      | 14 |
| 84 | Endothelin-1-mediated retinal artery vasospasm and the rabbit electroretinogram. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2000</b> , 16, 393-8   | 2.6  | 14 |
| 83 | Second Primary Neoplasms in Patients With Uveal Melanoma: A SEER Database Analysis. <i>American Journal of Ophthalmology</i> , <b>2016</b> , 165, 54-64   | 4.9  | 14 |
| 82 | Human Plasma Metabolomics in Age-Related Macular Degeneration: Meta-Analysis of Two Cohorts. <i>Metabolites</i> , <b>2019</b> , 9,  | 5.6  | 13 |

|    |  |      |    |
|----|--|------|----|
| 81 | Heat treatment of retinal pigment epithelium induces production of elastic lamina components and antiangiogenic activity. <i>FASEB Journal</i> , <b>2012</b> , 26, 567-75  | 0.9  | 13 |
| 80 | Photodynamic therapy induces caspase-dependent apoptosis in rat CNV model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 4741-7  |      | 13 |
| 79 | Identification of resident and inflammatory bone marrow derived cells in the sclera by bone marrow and haematopoietic stem cell transplantation. <i>British Journal of Ophthalmology</i> , <b>2007</b> , 91, 520-6   | 5.5  | 13 |
| 78 | Localization of rose bengal, aluminum phthalocyanine tetrasulfonate, and chlorin e6 in the rabbit eye. <i>Retina</i> , <b>2002</b> , 22, 65-74   | 3.6  | 13 |
| 77 | Assessing Resident Cataract Surgery Outcomes Using Medicare Physician Quality Reporting System Measures. <i>Journal of Surgical Education</i> , <b>2016</b> , 73, 774-9  | 3.4  | 13 |
| 76 | Mouse model of ocular hypertension with retinal ganglion cell degeneration. <i>PLoS ONE</i> , <b>2019</b> , 14, e0208713   | 3.3  | 13 |
| 75 | 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> , <b>2020</b> , 215, 72-80                               | 4.9  | 12 |
| 74 | A novel nonradioactive method to evaluate vascular barrier breakdown and leakage <b>2010</b> , 51, 1677-82   |      | 12 |
| 73 | On the edge: the clinician-scientist in ophthalmology. <i>JAMA Ophthalmology</i> , <b>2013</b> , 131, 1401-2   | 3.9  | 11 |
| 72 | Identifying subtypes of patients with neovascular age-related macular degeneration by genotypic and cardiovascular risk characteristics. <i>BMC Medical Genetics</i> , <b>2011</b> , 12, 83  | 2.1  | 11 |
| 71 | HEALTH CONDITIONS LINKED TO AGE-RELATED MACULAR DEGENERATION ASSOCIATED WITH DARK ADAPTATION. <i>Retina</i> , <b>2018</b> , 38, 1145-1155  | 3.6  | 10 |
| 70 | Photodynamic Therapy of Exudative Age-Related Macular Degeneration. <i>Seminars in Ophthalmology</i> , <b>1997</b> , 12, 14-25   | 2.4  | 10 |
| 69 | Cholesterol crystals induce inflammatory cytokines expression in a human retinal pigment epithelium cell line by activating the NF- $\kappa$ B pathway. <i>Discovery Medicine</i> , <b>2014</b> , 18, 7-14   | 2.5  | 10 |
| 68 | Nonresponders to Ranibizumab Anti-VEGF Treatment Are Actually Short-term Responders: A Prospective Spectral-Domain OCT Study. <i>Ophthalmology Retina</i> , <b>2020</b> , 4, 1138-1145   | 3.8  | 10 |
| 67 | 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 $\square$ ) Registry. <i>Ophthalmology Glaucoma</i> , <b>2020</b> , 3, 253-261 | 2.2  | 10 |
| 66 | Lens regeneration in children. <i>Nature</i> , <b>2018</b> , 556, E2-E3  | 50.4 | 9  |
| 65 | Pharmacogenetics of the treatment response of age-related macular degeneration with ranibizumab and bevacizumab. <i>Seminars in Ophthalmology</i> , <b>2013</b> , 28, 355-60   | 2.4  | 9  |
| 64 | Special Commentary: Early Clinical Development of Cell Replacement Therapy: Considerations for the National Eye Institute Audacious Goals Initiative. <i>Ophthalmology</i> , <b>2017</b> , 124, 926-934  | 7.3  | 8  |

|    |  |      |   |
|----|--|------|---|
| 63 | Peripheral Changes Associated With Delayed Dark Adaptation in Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , <b>2018</b> , 190, 113-124  | 4.9  | 8 |
| 62 | A Comprehensive Surgical Curriculum Reduced Intra-operative Complication Rates of Resident-performed Cataract Surgeries. <i>Journal of Surgical Education</i> , <b>2019</b> , 76, 150-157                                  | 3.4  | 8 |
| 61 | Breaking and Sealing Barriers in Retinal Gene Therapy. <i>Molecular Therapy</i> , <b>2018</b> , 26, 2081-2082  | 11.7 | 7 |
| 60 | Higher irradiance and photodynamic therapy for age-related macular degeneration (an AOS thesis). <i>Transactions of the American Ophthalmological Society</i> , <b>2008</b> , 106, 357-82                                  |      | 7 |
| 59 | Trends and Usage Patterns of Minimally Invasive Glaucoma Surgery in the United States: IRIS Registry Analysis 2013-2018. <i>Ophthalmology Glaucoma</i> , <b>2021</b> , 4, 558-568  | 2.2  | 7 |
| 58 | Choroidal thickness and vascular density in macular telangiectasia type 2 using swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 1584-1589                          | 5.5  | 7 |
| 57 | Receptor interacting protein kinase 3 (RIP3) regulates iPSCs generation through modulating cell cycle progression genes. <i>Stem Cell Research</i> , <b>2019</b> , 35, 101387  | 1.6  | 6 |
| 56 | Higher Intake of Polyunsaturated Fatty Acid and Monounsaturated Fatty Acid is Inversely Associated With AMD <b>2020</b> , 61, 20   |      | 6 |
| 55 | Uveal melanoma cell growth is inhibited by aminoimidazole carboxamide ribonucleotide (AICAR) partially through activation of AMP-dependent kinase <b>2014</b> , 55, 4175-85  |      | 6 |
| 54 | Photodynamic therapy and combination treatments. <i>International Ophthalmology Clinics</i> , <b>2007</b> , 47, 95-115   |      | 6 |
| 53 | Photosensitizers in photodynamic therapy of choroidal neovascularization. <i>International Ophthalmology Clinics</i> , <b>2004</b> , 44, 63-80   | 1.7  | 6 |
| 52 | Severe penetrating eye trauma caused by fish pick accidents. <i>Retina</i> , <b>1996</b> , 16, 219-21  | 3.6  | 6 |
| 51 | 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> , <b>2020</b> , | 5.5  | 6 |
| 50 | 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> , <b>2019</b> , 3, 278-282                          | 0.7  | 6 |
| 49 | Evaluation of choroidal lesions with swept-source optical coherence tomography. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 88-93   | 5.5  | 6 |
| 48 | Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 1278-1288   | 5.6  | 5 |
| 47 | Novel grid combined with peripheral distortion correction for ultra-widefield image grading of age-related macular degeneration. <i>Clinical Ophthalmology</i> , <b>2017</b> , 11, 1967-1974                               | 2.5  | 5 |
| 46 | Solving the Hydroxychloroquine Dosing Dilemma With a Smartphone App. <i>JAMA Ophthalmology</i> , <b>2018</b> , 136, 218-219  | 3.9  | 5 |

|    |  |     |   |
|----|--|-----|---|
| 45 | AICAR suppresses TNF- $\beta$ induced complement factor B in RPE cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 17651   | 4.9 | 5 |
| 44 | Proton beam irradiation for non-AMD CNV: 2-year results of a randomised clinical trial. <i>British Journal of Ophthalmology</i> , <b>2014</b> , 98, 1212-7   | 5.5 | 5 |
| 43 | Anecortave acetate: Author reply. <i>Ophthalmology</i> , <b>2004</b> , 111, 2316-2317  | 7.3 | 5 |
| 42 | 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> , <b>2021</b> ,  | 5.5 | 5 |
| 41 | The Harvard angiogenesis story. <i>Survey of Ophthalmology</i> , <b>2014</b> , 59, 361-4   | 6.1 | 4 |
| 40 | 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> , <b>2015</b> , 6, 238   | 4.5 | 4 |
| 39 | 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> , <b>2011</b> , 31, 2078-83 | 3.6 | 4 |
| 38 | Sentinel Events, Serious Reportable Events, and Root Cause Analysis. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 631-2  | 3.9 | 3 |
| 37 | Comparison of Progression to Advanced Stage between Polypoidal Choroidal Vasculopathy and Age-Related Macular Degeneration in Korea. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 475-480  | 3.8 | 3 |
| 36 | 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> , <b>2019</b> , 3, 900-909   | 3.8 | 3 |
| 35 | Using a drug before the risks and benefits are known from a phase 3 clinical trial: thoughts on compassion. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 1029-31   |     | 3 |
| 34 | Photodynamic therapy for choroidal neovascularization. The Jules Gonin Lecture, Montreux, Switzerland, 1 September 2002 <b>2003</b> , 241, 258-62  |     | 3 |
| 33 | Potential future targets for treating ocular neovascularization. <i>Ophthalmology Clinics of North America</i> , <b>2006</b> , 19, 401-9   |     | 3 |
| 32 | Age, Gender, and Laterality of Retinal Vascular Occlusion: A Retrospective Study from the IRIS Registry. <i>Ophthalmology Retina</i> , <b>2021</b> , 6, 161-161  | 3.8 | 3 |
| 31 | Contrast sensitivity function in patients with macular disease and good visual acuity. <i>British Journal of Ophthalmology</i> , <b>2021</b> ,   | 5.5 | 3 |
| 30 | 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> , <b>2018</b> , 10, e55-e60                               | 0.7 | 3 |
| 29 | Evaluation of tissue interactions with mechanical elements of a transscleral drug delivery device. <i>Pharmaceutics</i> , <b>2012</b> , 4, 212-29  | 6.4 | 2 |
| 28 | Retinal artery occlusion in rabbit eyes using human atheroma. <i>Current Eye Research</i> , <b>1995</b> , 14, 573-8  | 2.9 | 2 |

|    |  |     |   |
|----|--|-----|---|
| 27 | Combined inhibition of apoptosis and necrosis promotes transient neuroprotection of retinal ganglion cells and partial-axon regeneration after optic nerve damage  |     | 2 |
| 26 | Blocking the Necroptosis Pathway Decreases RPE and Photoreceptor Damage Induced by NaIO <sub>3</sub>   |     | 2 |
| 25 | ThicknessTool: automated ImageJ retinal layer thickness and profile in digital images. <i>Scientific Reports</i> , <b>2020</b> , 10, 18459   | 4.9 | 2 |
| 24 | An Experimental Animal Model of Photodynamic Optic Nerve Head Injury (PONHI). <i>Current Eye Research</i> , <b>2016</b> , 41, 1498-1506  | 2.9 | 2 |
| 23 | BASILINE PREDICTORS ASSOCIATED WITH 3-YEAR CHANGES IN DARK ADAPTATION IN AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , <b>2021</b> , 41, 2098-2105   | 3.6 | 2 |
| 22 | Subthreshold Exudative Choroidal Neovascularization Associated With Age-Related Macular Degeneration Identified by Optical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , <b>2020</b> , 4, 377-385 | 0.7 | 1 |
| 21 | Neovascularization in diabetic retinopathy <b>2010</b> , 514-518   |     | 1 |
| 20 | Legacy of the age-related eye disease [corrected] study. <i>JAMA Ophthalmology</i> , <b>2009</b> , 127, 1680-5   |     | 1 |
| 19 | Acadesine suppresses TNF- $\alpha$ -induced complement component 3 (C3), in retinal pigment epithelial (RPE) cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0244307   | 3.7 | 1 |
| 18 | Intraocular Neovascularization <b>2006</b> , 2403-2411   |     | 1 |
| 17 | Area under the dark adaptation curve as a reliable alternate measure of dark adaptation response. <i>British Journal of Ophthalmology</i> , <b>2021</b> ,  | 5.5 | 1 |
| 16 | Chemical and thermal ocular burns in the United States: An IRIS registry analysis. <i>Ocular Surface</i> , <b>2021</b> , 21, 345-347   | 6.5 | 1 |
| 15 | Usage Patterns of Minimally Invasive Glaucoma Surgery (MIGS) Differ by Glaucoma Type: IRIS Registry Analysis 2013-2018. <i>Ophthalmic Epidemiology</i> , <b>2021</b> , 1-9   | 1.9 | 1 |
| 14 | Widefield Swept-Source OCT Angiography Metrics Associated with the Development of Diabetic Vitreous Hemorrhage: A Prospective Study. <i>Ophthalmology</i> , <b>2021</b> , 128, 1312-1324   | 7.3 | 1 |
| 13 | Current Management of Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1256, 295-314   | 3.6 | 1 |
| 12 | 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> , <b>2021</b> , 49, 19-24          | 1.2 | 1 |
| 11 | Basic Mechanisms of Pathological Retinal and Choroidal Angiogenesis <b>2013</b> , 562-578  |     | 0 |
| 10 | American Academy of Ophthalmology Intelligent Research in Sight (IRIS <sup>2</sup> ) Registry and the IRIS Registry Analytic Center Consortium. <i>Ophthalmology Science</i> , <b>2022</b> , 2, 100112                           |     | 0 |

|   |   |     |   |
|---|---|-----|---|
| 9 | A quantitative comparison of four optical coherence tomography angiography devices in healthy eyes. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2021</b> , 259, 1493-1501         | 3.8 | o |
| 8 | Local photoreceptor cell death differences in the murine model of retinal detachment. <i>Scientific Reports</i> , <b>2021</b> , 11, 18798   | 4.9 | o |
| 7 | 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> , <b>2021</b> , | 7.3 |   |
| 6 | Photodynamic Therapy in Human Clinical Studies: Age-Related Macular Degeneration <b>2006</b> , 227-248  |     |   |
| 5 | Idiopathic Macular Telangiectasia <b>2020</b> , 1-18  |     |   |
| 4 | Reply. <i>Ophthalmology Retina</i> , <b>2021</b> , 5, e4  | 3.8 |   |
| 3 | Validation of RetmarkerAMD as a semiautomatic grading software for AMD. <i>Eye</i> , <b>2020</b> , 34, 600-602  | 4.4 |   |
| 2 | Reply. <i>Ophthalmology</i> , <b>2018</b> , 125, e46-e47  | 7.3 |   |
| 1 | Idiopathic Macular Telangiectasia <b>2022</b> , 3815-3831   |     |   |