Joan W Miller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8160811/publications.pdf

Version: 2024-02-01

255 papers	17,801 citations	23500 58 h-index	18075 120 g-index
268 all docs	268 docs citations	268 times ranked	14393 citing authors

#	Article	IF	Citations
1	Age-Related Macular Degeneration. New England Journal of Medicine, 2008, 358, 2606-2617.	13.9	1,345
2	Increased Vascular Endothelial Growth Factor Levels in the Vitreous of Eyes With Proliferative Diabetic Retinopathy. American Journal of Ophthalmology, 1994, 118, 445-450.	1.7	1,212
3	Prevention of Experimental Choroidal Neovascularization With Intravitreal Antiâ€“Vascular Endothelial Growth Factor Antibody Fragment. JAMA Ophthalmology, 2002, 120, 338.	2.6	547
4	Intravitreous Injections of Vascular Endothelial Growth Factor Produce Retinal Ischemia and Microangiopathy in an Adult Primate. Ophthalmology, 1996, 103, 1820-1828.	2.5	493
5	Genetic variants near TIMP3 and high-density lipoproteinâ€“associated loci influence susceptibility to age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7401-7406.	3.3	475
6	VEGF164-mediated Inflammation Is Required for Pathological, but Not Physiological, Ischemia-induced Retinal Neovascularization. Journal of Experimental Medicine, 2003, 198, 483-489.	4.2	413
7	Tumor Necrosis Factor-Â Mediates Oligodendrocyte Death and Delayed Retinal Ganglion Cell Loss in a Mouse Model of Glaucoma. Journal of Neuroscience, 2006, 26, 12633-12641.	1.7	390
8	Verteporfin therapy of subfoveal choroidal neovascularization in pathologic myopia. Ophthalmology, 2003, 110, 667-673.	2.5	370
9	Vascular Endothelial Growth Factor A in Intraocular Vascular Disease. Ophthalmology, 2013, 120, 106-114.	2.5	334
10	Photodynamic Therapy With Verteporfin for Choroidal Neovascularization Caused by Age-related Macular Degeneration. JAMA Ophthalmology, 1999, 117, 1161.	2.6	282
11	Receptor interacting protein kinases mediate retinal detachment-induced photoreceptor necrosis and compensate for inhibition of apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21695-21700.	3.3	281
12	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. American Journal of Ophthalmology, 2003, 136, 407-418.	1.7	278
13	Monocyte chemoattractant protein 1 mediates retinal detachment-induced photoreceptor apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2425-2430.	3.3	262
14	Vascular Endothelial Growth Factor in Ocular Neovascularization and Proliferative Diabetic Retinopathy. , 1997, 13, 37-50.		261
15	Anti-vascular endothelial growth factor therapy for ocular neovascular disease. Current Opinion in Ophthalmology, 2007, 18, 502-508.	1.3	234
16	Age-Related Macular Degeneration Revisited â€“ Piecing the Puzzle: The LXIX Edward Jackson Memorial Lecture. American Journal of Ophthalmology, 2013, 155, 1-35.e13.	1.7	233
17	Maximum Tolerated Dose of a Humanized Antiâ€“Vascular Endothelial Growth Factor Antibody Fragment for Treating Neovascular Age-Related Macular Degeneration. Ophthalmology, 2005, 112, 1048-1053.e4.	2.5	219
18	Liposomal Benzoporphyrin Derivative Verteporfin Photodynamic Therapy. Ophthalmology, 1996, 103, 427-438.	2.5	209

#	Article	IF	Citations
19	Photodynamic Therapy of Experimental Choroidal Neovascularization Using Lipoprotein-Delivered Benzoporphyrin. JAMA Ophthalmology, 1995, 113, 810.	2.6	204
20	Verteporfin Therapy for Subfoveal Choroidal Neovascularization in Age-Related Macular Degeneration. JAMA Ophthalmology, 2002, 120, 1307.	2.6	195
21	The clinically used photosensitizer Verteporfin (VP) inhibits YAP-TEAD and human retinoblastoma cell growth inÂvitro without light activation. Experimental Eye Research, 2014, 124, 67-73.	1.2	195
22	A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. Nature Communications, 2019, 10, 3347.	5.8	192
23	Etanercept, a Widely Used Inhibitor of Tumor Necrosis Factor-Î± (TNF- Î±), Prevents Retinal Ganglion Cell Loss in a Rat Model of Glaucoma. PLoS ONE, 2012, 7, e40065.	1.1	182
24	Photoreceptor cell death and rescue in retinal detachment and degenerations. Progress in Retinal and Eye Research, 2013, 37, 114-140.	7.3	179
25	Controlled Delivery of the Anti-VEGF Aptamer EYE001 with Poly(lactic-co-glycolic)Acid Microspheres. , 2003, 44, 290.		166
26	Conversion to Aflibercept For Chronic Refractory Or Recurrent Neovascular Age-Related Macular Degeneration. American Journal of Ophthalmology, 2013, 156, 29-35.e2.	1.7	164
27	Receptor interacting protein kinase mediates necrotic cone but not rod cell death in a mouse model of inherited degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14598-14603.	3.3	162
28	Reproducibility of Retinal Thickness Measurements on Normal and Pathologic Eyes by Different Optical Coherence Tomography Instruments. American Journal of Ophthalmology, 2010, 150, 815-824.e1.	1.7	160
29	Programmed necrosis, not apoptosis, is a key mediator of cell loss and DAMP-mediated inflammation in dsRNA-induced retinal degeneration. Cell Death and Differentiation, 2014, 21, 270-277.	5.0	158
30	Attenuated Glial Reactions and Photoreceptor Degeneration after Retinal Detachment in Mice Deficient in Glial Fibrillary Acidic Protein and Vimentin. , 2007, 48, 2760.		149
31	Acute severe visual acuity decrease after photodynamic therapy with verteporfin: case reports from randomized clinical trialsâ€"TAP and VIP report no. 3. American Journal of Ophthalmology, 2004, 137, 683-696.	1.7	144
32	Retinal applications of swept source optical coherence tomography (OCT) and optical coherence tomography angiography (OCTA). Progress in Retinal and Eye Research, 2021, 84, 100951.	7.3	134
33	Targeted Disruption of the CD18 or ICAM-1 Gene Inhibits Choroidal Neovascularization. , 2003, 44, 2743.		128
34	Verteporfin photodynamic therapy retreatment of normal retina and choroid in the cynomolgus monkey11The Massachusetts Eye and Ear Infirmary is an owner of a patent covering the use of verteporfin and photodynamic therapy. Should the Massachusetts Eye and Ear Infirmary receive royalties or other financial remuneration related to that patent, Drs. Miller and Gragoudas would receive a share of same in accordance with the Massachusetts Eye and Ear Infirmaryâ€™s institutional Patent Policy and Procedures, which in. Ophthalmology, 1999, 106, 1915-1923.	2.5	123
35	Photodynamic therapy of subfoveal choroidal neovascularization: clinical and angiographic examples. Graefe's Archive for Clinical and Experimental Ophthalmology, 1998, 236, 365-374.	1.0	119
36	Characterization of cytokine responses to retinal detachment in rats. Molecular Vision, 2006, 12, 867-78.	1.1	119

#	Article	IF	Citations
37	Cigarette Smoking, CFH, APOE, ELOVL4, and Risk of Neovascular Age-Related Macular Degeneration. JAMA Ophthalmology, 2007, 125, 49.	2.6	116
38	Caspase Activation in an Experimental Model of Retinal Detachment. , 2003, 44, 1262.		113
39	Age-Related Macular Degeneration: Advances in Management and Diagnosis. Journal of Clinical Medicine, 2015, 4, 343-359.	1.0	107
40	Regression of Some High-risk Features of Age-related Macular Degeneration (AMD) in Patients Receiving Intensive Statin Treatment. EBioMedicine, 2016, 5, 198-203.	2.7	106
41	DNA sequence variants in the LOXL1 gene are associated with pseudoexfoliation glaucoma in a U.S. clinic-based population with broad ethnic diversity. BMC Medical Genetics, 2008, 9, 5.	2.1	105
42	Microglia inhibit photoreceptor cell death and regulate immune cell infiltration in response to retinal detachment. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6264-E6273.	3.3	104
43	Alleles in the HtrA Serine Peptidase 1 Gene Alter the Risk of Neovascular Age-Related Macular Degeneration. Ophthalmology, 2008, 115, 1209-1215.e7.	2.5	99
44	Metabolomics in the study of retinal health and disease. Progress in Retinal and Eye Research, 2019, 69, 57-79.	7.3	98
45	Safety and Efficacy of Intravitreal Injection of Ranibizumab in Combination With Verteporfin PDT on Experimental Choroidal Neovascularization in the Monkey. JAMA Ophthalmology, 2005, 123, 509.	2.6	96
46	Successful Treatment of Fusarium Endophthalmitis With Voriconazole and Aspergillus Endophthalmitis With Voriconazole Plus Caspofungin. American Journal of Ophthalmology, 2005, 140, 552-554.	1.7	95
47	FAS-Mediated Apoptosis and Its Relation to Intrinsic Pathway Activation in an Experimental Model of Retinal Detachment. , 2004, 45, 4563.		91
48	In Vivo Evaluation of Laser-Induced Choroidal Neovascularization Using Spectral-Domain Optical Coherence Tomography. , 2011, 52, 3880.		91
49	Tauroursodeoxycholic Acid (TUDCA) Protects Photoreceptors from Cell Death after Experimental Retinal Detachment. PLoS ONE, 2011, 6, e24245.	1.1	89
50	Inhibition of Choroidal Neovascularization in a Nonhuman Primate Model by Intravitreal Administration of an AAV2 Vector Expressing a Novel Anti-VEGF Molecule. Molecular Therapy, 2011, 19, 260-265.	3.7	84
51	Spectral domain optical coherence tomography for quantitative evaluation of drusen and associated structural changes in non-neovascular age-related macular degeneration. British Journal of Ophthalmology, 2009, 93, 176-181.	2.1	82
52	Review of Anti-VEGF Therapy in Proliferative Diabetic Retinopathy. Seminars in Ophthalmology, 2009, 24, 87-92.	0.8	82
53	Tumor Necrosis Factor-Î± Mediates Photoreceptor Death in a Rodent Model of Retinal Detachment. , 2011, 52, 1384.		81
54	Histologic Correlation of In Vivo Optical Coherence Tomography Images of the Human Retina. American Journal of Ophthalmology, 2006, 141, 1165-1168.	1.7	77

#	Article	IF	Citations
55	Inhibition of Hsp90 attenuates inflammation in endotoxinâ€induced uveitis. FASEB Journal, 2007, 21, 2113-2123.	0.2	76
56	Identification of Chlamydia pneumoniae within human choroidal neovascular membranes secondary to age-related macular degeneration. Graefe's Archive for Clinical and Experimental Ophthalmology, 2005, 243, 1080-1090.	1.0	75
57	Cytochrome P450-generated metabolites derived from ï‰-3 fatty acids attenuate neovascularization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9603-9608.	3.3	71
58	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. British Journal of Ophthalmology, 2021, 105, 577-581.	2.1	71
59	Systems biology-based analysis implicates a novel role for vitamin D metabolism in the pathogenesis of age-related macular degeneration. Human Genomics, 2011, 5, 538.	1.4	70
60	Verteporfin inhibits growth of human glioma in vitro without light activation. Scientific Reports, 2017, 7, 7602.	1.6	70
61	Diabetic Choroidopathy: Choroidal Vascular Density and Volume in Diabetic Retinopathy With Swept-Source Optical Coherence Tomography. American Journal of Ophthalmology, 2017, 184, 75-83.	1.7	70
62	Localization of lipoprotein-delivered benzoporphyrin derivative in the rabbit eye. Current Eye Research, 1997, 16, 83-90.	0.7	68
63	CHOROIDAL THICKNESS IN DIABETIC RETINOPATHY ASSESSED WITH SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2018, 38, 173-182.	1.0	66
64	Human Plasma Metabolomics Study across All Stages of Age-Related Macular Degeneration Identifies Potential LipidÂBiomarkers. Ophthalmology, 2018, 125, 245-254.	2.5	66
65	Predictors of Visual Outcome and Choroidal Neovascular Membrane Formation After Traumatic Choroidal Rupture. JAMA Ophthalmology, 2006, 124, 957.	2.6	65
66	Endogenous endostatin inhibits choroidal neovascularization. FASEB Journal, 2007, 21, 3809-3818.	0.2	65
67	Selective Photodynamic Therapy by Targeted Verteporfin Delivery toExperimental Choroidal Neovascularization Mediated by a Homing Peptide toVascular Endothelial Growth Factor Receptor-2. JAMA Ophthalmology, 2004, 122, 1002.	2.6	64
68	Edaravone, an ROS Scavenger, Ameliorates Photoreceptor Cell Death after Experimental Retinal Detachment. , 2011, 52, 3825.		63
69	Spectral-Domain Optical Coherence Tomography as an Indicator of Fluorescein Angiography Leakage from Choroidal Neovascularization. , 2011, 52, 5579.		60
70	Phthalocyanine Photodynamic Therapy of Experimental Iris Neovascularization. Ophthalmology, 1991, 98, 1711-1719.	2.5	59
71	Photosensitizer delivery for photodynamic therapy of choroidal neovascularization. Advanced Drug Delivery Reviews, 2001, 52, 63-78.	6.6	59
72	The NEI/NCBI dbGAP database: Genotypes and haplotypes that may specifically predispose to risk of neovascular age-related macular degeneration. BMC Medical Genetics, 2008, 9, 51.	2.1	59

#	Article	IF	Citations
73	Comprehensive Analysis of Complement Factor H and LOC387715/ARMS2/HTRA1 Variants With Respect to Phenotype in Advanced Age-Related Macular Degeneration. American Journal of Ophthalmology, 2009, 148, 869-874.	1.7	59
74	Vascular adhesion proteinâ€1 blockade suppresses choroidal neovascularization. FASEB Journal, 2008, 22, 2928-2935.	0.2	58
75	Review of the Ocular Angiogenesis Animal Models. Seminars in Ophthalmology, 2009, 24, 52-61.	0.8	58
76	Inhibition of the alternative complement pathway preserves photoreceptors after retinal injury. Science Translational Medicine, 2015, 7, 297ra116.	5.8	58
77	Modulation of Human Fibroblast Activity by Selected Angiogenesis Inhibitors. Experimental Eye Research, 1994, 58, 439-451.	1.2	57
78	Structural Changes Associated with Delayed Dark Adaptation in Age-Related Macular Degeneration. Ophthalmology, 2017, 124, 1340-1352.	2.5	57
79	Expression of pigment epithelium-derived factor in experimental choroidal neovascularization. Investigative Ophthalmology and Visual Science, 2002, 43, 1574-80.	3.3	57
80	Increased Choroidal Neovascularization following Laser Induction in Mice Lacking Lysyl Oxidase-like 1. , 2008, 49, 2599.		56
81	HIV protease inhibitors provide neuroprotection through inhibition of mitochondrial apoptosis in mice. Journal of Clinical Investigation, 2008, 118, 2025-38.	3.9	56
82	Intravitreal injections at the Massachusetts Eye and Ear Infirmary: analysis of treatment indications and postinjection endophthalmitis rates. British Journal of Ophthalmology, 2013, 97, 460-465.	2.1	55
83	Imaging Artifacts and Segmentation Errors With Wide-Field Swept-Source Optical Coherence Tomography Angiography in Diabetic Retinopathy. Translational Vision Science and Technology, 2019, 8, 18.	1.1	55
84	Role of Î±4 Integrin (CD49d) in the Pathogenesis of Diabetic Retinopathy. , 2009, 50, 4898.		54
85	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. Vision Research, 2010, 50, 698-715.	0.7	54
86	Heat Shock Protein 70 (HSP70) Is Critical for the Photoreceptor Stress Response after Retinal Detachment via Modulating Anti-Apoptotic Akt Kinase. American Journal of Pathology, 2011, 178, 1080-1091.	1.9	54
87	Genetic LAMP2 deficiency accelerates the age-associated formation of basal laminar deposits in the retina. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23724-23734.	3.3	54
88	Effect of Intravitreal Injection of Ranibizumab in Combination with Verteporfin PDT on Normal Primate Retina and Choroid. , 2006, 47, 357.		53
89	Inhibition of vascular adhesion proteinâ€1 suppresses endotoxinâ€induced uveitis. FASEB Journal, 2008, 22, 1094-1103.	0.2	53
90	Verteporfin-induced formation of protein cross-linked oligomers and high molecular weight complexes is mediated by light and leads to cell toxicity. Scientific Reports, 2017, 7, 46581.	1.6	53

#	Article	IF	Citations
91	Advances in Age-related Macular Degeneration Understanding and Therapy. US Ophthalmic Review, 2017, 10, 119.	0.2	53
92	Strain Difference in Photoreceptor Cell Death After Retinal Detachment in Mice. , 2014, 55, 4165.		52
93	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. PLoS ONE, 2017, 12, e0177749.	1.1	51
94	AMP-activated Protein Kinase Suppresses Matrix Metalloproteinase-9 Expression in Mouse Embryonic Fibroblasts. Journal of Biological Chemistry, 2011, 286, 16030-16038.	1.6	50
95	Mitochondrial DNA has a pro-inflammatory role in AMD. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2897-2906.	1.9	50
96	Mechanism of age related macular degeneration. Ophthalmology Clinics of North America, 2002, 15, 87-91.	1.8	49
97	Extremely Discordant Sib-Pair Study Design to Determine Risk Factorsfor Neovascular Age-Related Macular Degeneration. JAMA Ophthalmology, 2004, 122, 575.	2.6	49
98	Beyond VEGFâ€"The Weisenfeld Lecture. , 2016, 57, 6911.		49
99	Proliferative Vitreoretinopathy: Pathobiology and Therapeutic Targets. Seminars in Ophthalmology, 2009, 24, 62-69.	0.8	48
100	Endogenous Endophthalmitis in the American and Korean Population: An 8-year Retrospective Study. Ocular Immunology and Inflammation, 2018, 26, 1-8.	1.0	48
101	Aminoimidazole Carboxamide Ribonucleotide (AICAR) Inhibits the Growth of Retinoblastoma In Vivo by Decreasing Angiogenesis and Inducing Apoptosis. PLoS ONE, 2013, 8, e52852.	1.1	48
102	Proton Beam Irradiation for Neovascular Age-Related Macular Degeneration. Ophthalmology, 2006, 113, 2012-2019.	2.5	46
103	RIP Kinase-Mediated Necrosis as an Alternative Mechanism of Photoreceptor Death. Oncotarget, 2011, 2, 497-509.	0.8	46
104	VEGF: From Discovery to Therapy: The Champalimaud Award Lecture. Translational Vision Science and Technology, 2016, 5, 9.	1.1	45
105	Expression of Leukocyte Adhesion Molecules in Human Subfoveal Choroidal Neovascular Membranes Treated with and without Photodynamic Therapy. , 2004, 45, 2368.		42
106	Issues with the Specificity of Immunological Reagents for NLRP3: Implications for Age-related Macular Degeneration. Scientific Reports, 2018, 8, 461.	1.6	41
107	Visual acuity and contrast sensitivity are two important factors affecting vision-related quality of life in advanced age-related macular degeneration. PLoS ONE, 2018, 13, e0196481.	1.1	41
108	Medical Treatment of Choroidal Neovascularization Secondary to Age-Related Macular Degeneration. International Ophthalmology Clinics, 2005, 45, 115-132.	0.3	39

#	Article	IF	Citations
109	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. Journal of Biological Chemistry, 2013, 288, 20581-20591.	1.6	38
110	Ocular Blast Injuries in Mass-Casualty Incidents. Ophthalmology, 2014, 121, 1670-1676.e1.	2.5	38
111	Human Plasma Metabolomics in Age-Related Macular Degeneration: Meta-Analysis of Two Cohorts. Metabolites, 2019, 9, 127.	1.3	38
112	Trends and Usage Patterns of Minimally Invasive Glaucoma Surgery in the United States. Ophthalmology Glaucoma, 2021, 4, 558-568.	0.9	38
113	Disruption of the Bloodâ€“Aqueous Barrier and Lens Abnormalities in Mice Lacking Lysyl Oxidase-Like 1 (LOXL1). , 2014, 55, 856.		37
114	Photodynamic Therapy and Digital Angiography of Experimental Iris Neovascularization Using Liposomal Benzoporphyrin Derivative. Ophthalmology, 1997, 104, 1242-1250.	2.5	36
115	An Antisense Oligodeoxynucleotide Against Vascular Endothelial Growth Factor in a Nonhuman Primate Model of Iris Neovascularization. JAMA Ophthalmology, 2005, 123, 214.	2.6	36
116	Characterization of Azurocidin as a Permeability Factor in the Retina: Involvement in VEGF-Induced and Early Diabetic Blood-Retinal Barrier Breakdown. , 2008, 49, 726.		36
117	Retinal Detachment Model in Rodents by Subretinal Injection of Sodium Hyaluronate. Journal of Visualized Experiments, 2013, , .	0.2	36
118	Human Retinoblastoma Cells Are Resistant to Apoptosis Induced by Death Receptors: Role of Caspase-8 Gene Silencing. , 2005, 46, 358.		35
119	Predictability and limitations of non-invasive murine tonometry: Comparison of two devices. Experimental Eye Research, 2006, 83, 194-201.	1.2	35
120	The Proteasome Inhibitor Bortezomib Induces Apoptosis in Human Retinoblastoma Cell Lines In Vitro. , 2007, 48, 4706.		35
121	A Novel ImageJ Macro for Automated Cell Death Quantitation in the Retina. , 2015, 56, 6701.		35
122	Verteporfin photodynamic therapy in the rat model of choroidal neovascularization: angiographic and histologic characterization. Investigative Ophthalmology and Visual Science, 2002, 43, 2384-91.	3.3	35
123	Evidence for Baseline Retinal Pigment Epithelium Pathology in the Trp1-Cre Mouse. American Journal of Pathology, 2012, 180, 1917-1927.	1.9	34
124	Different Scan Protocols Affect the Detection Rates of Diabetic Retinopathy Lesions by Wide-Field Swept-Source Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2020, 215, 72-80.	1.7	34
125	Influence of ROBO1 and RORA on Risk of Age-Related Macular Degeneration Reveals Genetically Distinct Phenotypes in Disease Pathophysiology. PLoS ONE, 2011, 6, e25775.	1.1	34
126	Preliminary Results of Gene Therapy for Retinal Degeneration. New England Journal of Medicine, 2008, 358, 2282-2284.	13.9	33

#	Article	IF	Citations
127	Comprehensive analysis of CRP, CFH Y402H and environmental risk factors on risk of neovascular age-related macular degeneration. Molecular Vision, 2008, 14, 1487-95.	1.1	33
128	Retinoblastoma cells are inhibited by aminoimidazole carboxamide ribonucleotide (AICAR) partially through activation of AMPâ€dependent kinase. FASEB Journal, 2010, 24, 2620-2630.	0.2	32
129	Aminoimidazole Carboxamide Ribonucleotide Ameliorates Experimental Autoimmune Uveitis. , 2012, 53, 4158.		32
130	Characterization of a Spontaneous Retinal Neovascular Mouse Model. PLoS ONE, 2014, 9, e106507.	1.1	32
131	Cytochrome P450 monooxygenase lipid metabolites are significant second messengers in the resolution of choroidal neovascularization. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7545-E7553.	3.3	32
132	Smoking Is Associated with Higher Intraocular Pressure Regardless of Glaucoma. Ophthalmology Glaucoma, 2020, 3, 253-261.	0.9	32
133	Anti-Vascular Endothelial Growth Factor Strategies for the Treatment of Choroidal Neovascularization From Age-Related Macular Degeneration. International Ophthalmology Clinics, 2004, 44, 23-32.	0.3	31
134	Choroidal Changes Associated With Subretinal Drusenoid Deposits in Age-related Macular Degeneration Using Swept-source Optical Coherence Tomography. American Journal of Ophthalmology, 2017, 180, 55-63.	1.7	30
135	Treatment of age-related macular degeneration: Beyond VEGF. Japanese Journal of Ophthalmology, 2010, 54, 523-528.	0.9	29
136	RIP1 kinase mediates angiogenesis by modulating macrophages in experimental neovascularization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23705-23713.	3.3	28
137	Dose-Dependent Effect of Pitavastatin on VEGF and Angiogenesis in a Mouse Model of Choroidal Neovascularization. , 2006, 47, 2623.		26
138	Second Primary Neoplasms in Patients With Uveal Melanoma: A SEER Database Analysis. American Journal of Ophthalmology, 2016, 165, 54-64.	1.7	26
139	miR-17-3p Exacerbates Oxidative Damage in Human Retinal Pigment Epithelial Cells. PLoS ONE, 2016, 11, e0160887.	1.1	25
140	Drug Delivery Nanoparticles: Toxicity Comparison in Retinal Pigment Epithelium and Retinal Vascular Endothelial Cells. Seminars in Ophthalmology, 2016, 31, 1-9.	0.8	25
141	Mouse model of ocular hypertension with retinal ganglion cell degeneration. PLoS ONE, 2019, 14, e0208713.	1.1	25
142	Utilizing Targeted Gene Therapy with Nanoparticles Binding Alpha v Beta 3 for Imaging and Treating Choroidal Neovascularization. PLoS ONE, 2011, 6, e18864.	1.1	25
143	The Role of Inflammation and Infection in Age-related Macular Degeneration. International Ophthalmology Clinics, 2007, 47, 185-197.	0.3	24
144	Pharmacological inhibition of mitochondrial membrane permeabilization for neuroprotection. Experimental Neurology, 2009, 218, 347-352.	2.0	24

#	Article	IF	Citations
145	Inhibitory Effect of Aminoimidazole Carboxamide Ribonucleotide (AICAR) on Endotoxin-Induced Uveitis in Rats. , 2011, 52, 6565.		24
146	EGF-Like-Domain-7 Is Required for VEGF-Induced Akt/ERK Activation and Vascular Tube Formation in an Ex Vivo Angiogenesis Assay. PLoS ONE, 2014, 9, e91849.	1.1	24
147	Imaging the Deep Choroidal Vasculature Using Spectral Domain and Swept Source Optical Coherence Tomography Angiography. Journal of Vitreoretinal Diseases, 2018, 2, 146-154.	0.2	24
148	DISPLAYED REFLECTIVITY OF CHOROIDAL NEOVASCULAR MEMBRANES BY OPTICAL COHERENCE TOMOGRAPHY CORRELATES WITH PRESENCE of LEAKAGE BY FLUORESCEIN ANGIOGRAPHY. Retina, 2011, 31, 942-948.	1.0	23
149	NLRP3 inflammasome in NMDA-induced retinal excitotoxicity. Experimental Eye Research, 2019, 181, 136-144.	1.2	23
150	Automated Brightness and Contrast Adjustment of Color Fundus Photographs for the Grading of Age-Related Macular Degeneration. Translational Vision Science and Technology, 2017, 6, 3.	1.1	22
151	AMPK-Activated Protein Kinase Suppresses Ccr2 Expression by Inhibiting the NF-ÎºB Pathway in RAW264.7 Macrophages. PLoS ONE, 2016, 11, e0147279.	1.1	22
152	Investigating the Effect of Ciliary Body Photodynamic Therapy in a Glaucoma Mouse Model. , 2006, 47, 2498.		21
153	Reduced Photoreceptor Damage after Photodynamic Therapy through Blockade of Nitric Oxide Synthase in a Model of Choroidal Neovascularization. , 2007, 48, 2268.		21
154	Visualization of Choriocapillaris and Choroidal Vasculature in Healthy Eyes With En Face Swept-Source Optical Coherence Tomography Versus Angiography. Translational Vision Science and Technology, 2018, 7, 25.	1.1	21
155	Contrast sensitivity function in patients with macular disease and good visual acuity. British Journal of Ophthalmology, 2022, 106, 839-844.	2.1	21
156	Age, Gender, and Laterality of Retinal Vascular Occlusion: A Retrospective Study from the IRISÂ® Registry. Ophthalmology Retina, 2022, 6, 161-171.	1.2	21
157	A quantitative comparison of four optical coherence tomography angiography devices in healthy eyes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 1493-1501.	1.0	21
158	Detection of neovascularisation in the vitreoretinal interface slab using widefield swept-source optical coherence tomography angiography in diabetic retinopathy. British Journal of Ophthalmology, 2022, 106, 534-539.	2.1	21
159	In vivoimaging of endothelial injury in choriocapillaris during endotoxinâ€induced uveitis. FASEB Journal, 2008, 22, 1973-1980.	0.2	20
160	Fundus Autofluorescence in Geographic Atrophy: A Review. Seminars in Ophthalmology, 2010, 25, 206-213.	0.8	20
161	FLT1Genetic Variation Predisposes to Neovascular AMD in Ethnically Diverse Populations and Alters Systemic FLT1 Expression. , 2014, 55, 3543.		20
162	Nonresponders to Ranibizumab Anti-VEGF Treatment Are Actually Short-term Responders: A Prospective Spectral-Domain OCT Study. Ophthalmology Retina, 2020, 4, 1138-1145.	1.2	20

#	Article	IF	Citations
163	Endothelin-1-Mediated Retinal Artery Vasospasm and the Rabbit Electroretinogram. Journal of Ocular Pharmacology and Therapeutics, 2000, 16, 393-398.	0.6	19
164	Effects of metformin on retinoblastoma growth in vitro and in vivo. International Journal of Oncology, 2014, 45, 2311-2324.	1.4	19
165	Atorvastatin Promotes Phagocytosis and Attenuates Pro-Inflammatory Response in Human Retinal Pigment Epithelial Cells. Scientific Reports, 2017, 7, 2329.	1.6	19
166	Dyslipidemia in age-related macular degeneration. Eye, 2022, 36, 312-318.	1.1	19
167	Assessing Resident Cataract Surgery Outcomes Using Medicare Physician Quality Reporting System Measures. Journal of Surgical Education, 2016, 73, 774-779.	1.2	18
168	Microperimetry in age-related macular degeneration: association with macular morphology assessed by optical coherence tomography. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313316.	2.1	18
169	Photoreceptor Protection after Photodynamic Therapy Using Dexamethasone in a Rat Model of Choroidal Neovascularization. , 2008, 49, 5008.		17
170	Molecular Sequelae of Histone Deacetylase Inhibition in Human Retinoblastoma Cell Lines: Clinical Implications. , 2009, 50, 4072.		17
171	The Regulatory Roles of Apoptosis-Inducing Factor in the Formation and Regression Processes of Ocular Neovascularization. American Journal of Pathology, 2012, 181, 53-61.	1.9	17
172	Proton beam therapy for age-related macular degeneration: development of a standard plan. Medical Dosimetry, 1999, 24, 233-238.	0.4	16
173	Identification of resident and inflammatory bone marrow derived cells in the sclera by bone marrow and haematopoietic stem cell transplantation. British Journal of Ophthalmology, 2007, 91, 520-526.	2.1	16
174	Photodynamic Therapy Induces Caspase-Dependent Apoptosis in Rat CNV Model. , 2007, 48, 4741.		16
175	Wide-field swept-source optical coherence tomography angiography in the assessment of retinal microvasculature and choroidal thickness in patients with myopia. British Journal of Ophthalmology, 2023, 107, 102-108.	2.1	16
176	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. Journal of Proteome Research, 2019, 18, 1278-1288.	1.8	15
177	Widefield Swept-Source OCT Angiography Metrics Associated with the Development of Diabetic Vitreous Hemorrhage. Ophthalmology, 2021, 128, 1312-1324.	2.5	15
178	Identifying subtypes of patients with neovascular age-related macular degeneration by genotypic and cardiovascular risk characteristics. BMC Medical Genetics, 2011, 12, 83.	2.1	14
179	Heat treatment of retinal pigment epithelium induces production of elastic lamina components and antiangiogenic activity. FASEB Journal, 2012, 26, 567-575.	0.2	14
180	Peripheral Changes Associated With Delayed Dark Adaptation in Age-related Macular Degeneration. American Journal of Ophthalmology, 2018, 190, 113-124.	1.7	14

#	Article	IF	Citations
181	HEALTH CONDITIONS LINKED TO AGE-RELATED MACULAR DEGENERATION ASSOCIATED WITH DARK ADAPTATION. Retina, 2018, 38, 1145-1155.	1.0	14
182	American Academy of Ophthalmology Intelligent Research in Sight (IRISÂ®) Registry and the IRIS Registry Analytic Center Consortium. Ophthalmology Science, 2022, 2, 100112.	1.0	14
183	Neuroprotection for Age-Related Macular Degeneration. Ophthalmology Science, 2022, 2, 100192.	1.0	14
184	LOCALIZATION OF ROSE BENGAL, ALUMINUM PHTHALOCYANINE TETRASULFONATE, AND CHLORIN e6 IN THE RABBIT EYE. Retina, 2002, 22, 65-74.	1.0	13
185	A Novel Nonradioactive Method to Evaluate Vascular Barrier Breakdown and Leakage. , 2010, 51, 1677.		13
186	Developing Therapies for Age-related Macular Degeneration: The Art and Science of Problem-solving. Ophthalmology Retina, 2019, 3, 900-909.	1.2	13
187	Usage Patterns of Minimally Invasive Glaucoma Surgery (MIGS) Differ by Glaucoma Type: IRIS Registry Analysis 2013â€“2018. Ophthalmic Epidemiology, 2022, 29, 443-451.	0.8	12
188	On the Edge. JAMA Ophthalmology, 2013, 131, 1401.	1.4	11
189	Cholesterol crystals induce inflammatory cytokines expression in a human retinal pigment epithelium cell line by activating the NF-Î²B pathway. Discovery Medicine, 2014, 18, 7-14.	0.5	11
190	SEVERE PENETRATING EYE TRAUMA CAUSED BY FISH PICK ACCIDENTS. Retina, 1996, 16, 219-221.	1.0	10
191	Photodynamic Therapy of Exudative Age-Related Macular Degeneration. Seminars in Ophthalmology, 1997, 12, 14-25.	0.8	10
192	Pharmacogenetics of the Treatment Response of Age-Related Macular Degeneration with Ranibizumab and Bevacizumab. Seminars in Ophthalmology, 2013, 28, 355-360.	0.8	10
193	Special Commentary: Early Clinical Development of Cell Replacement Therapy: Considerations for the National Eye Institute Audacious Goals Initiative. Ophthalmology, 2017, 124, 926-934.	2.5	10
194	Lens regeneration in children. Nature, 2018, 556, E2-E3.	13.7	10
195	Breaking and Sealing Barriers in Retinal Gene Therapy. Molecular Therapy, 2018, 26, 2081-2082.	3.7	10
196	A Comprehensive Surgical Curriculum Reduced Intra-operative Complication Rates of Resident-performed Cataract Surgeries. Journal of Surgical Education, 2019, 76, 150-157.	1.2	10
197	Percentage of Foveal vs Total Macular Geographic Atrophy as a Predictor of Visual Acuity in Age-Related Macular Degeneration. Journal of Vitreoretinal Diseases, 2019, 3, 278-282.	0.2	10
198	Uveal Melanoma Cell Growth Is Inhibited by Aminoimidazole Carboxamide Ribonucleotide (AICAR) Partially Through Activation of AMP-Dependent Kinase. , 2014, 55, 4175.		9

#	Article	IF	Citations
199	Ancestry of the Timorese: age-related macular degeneration associated genotype and allele sharing among human populations from throughout the world. Frontiers in Genetics, 2015, 6, 238.	1.1	9
200	AICAR suppresses TNF-Î±-induced complement factor B in RPE cells. Scientific Reports, 2017, 7, 17651.	1.6	9
201	Receptor interacting protein kinase 3 (RIP3) regulates iPSCs generation through modulating cell cycle progression genes. Stem Cell Research, 2019, 35, 101387.	0.3	9
202	Higher Intake of Polyunsaturated Fatty Acid and Monounsaturated Fatty Acid is Inversely Associated With AMD. , 2020, 61, 20.		9
203	Photodynamic therapy for choroidal neovascularization. , 2003, 241, 258-262.		8
204	Sentinel Events, Serious Reportable Events, and Root Cause Analysis. JAMA Ophthalmology, 2015, 133, 631.	1.4	8
205	Choroidal thickness and vascular density in macular telangiectasia type 2 using enface swept-source optical coherence tomography. British Journal of Ophthalmology, 2019, 103, 1584-1589.	2.1	8
206	Evaluation of choroidal lesions with swept-source optical coherence tomography. British Journal of Ophthalmology, 2019, 103, 88-93.	2.1	8
207	Age-Related Macular Degeneration (AMD): A View to the Future. Journal of Clinical Medicine, 2021, 10, 1124.	1.0	8
208	Using a Drug Before the Risks and Benefits Are Known From a Phase 3 Clinical Trial. JAMA Ophthalmology, 2006, 124, 1029.	2.6	7
209	Photodynamic Therapy and Combination Treatments. International Ophthalmology Clinics, 2007, 47, 95-115.	0.3	7
210	Novel grid combined with peripheral distortion correction for ultra-widefield image grading of age-related macular degeneration. Clinical Ophthalmology, 2017, Volume 11, 1967-1974.	0.9	7
211	Genomic-Metabolomic Associations Support the Role of LIPC and Glycerophospholipids in Age-Related Macular Degeneration. Ophthalmology Science, 2021, 1, 100017.	1.0	7
212	Chemical and thermal ocular burns in the United States: An IRIS registry analysis. Ocular Surface, 2021, 21, 345-347.	2.2	7
213	Higher irradiance and photodynamic therapy for age-related macular degeneration (an AOS thesis). Transactions of the American Ophthalmological Society, 2008, 106, 357-82.	1.4	7
214	Short- and Long-Term Visual Outcomes in Patients Receiving Intravitreal Injections: The Impact of the Coronavirus 2019 Disease (COVID-19)â€"Related Lockdown. Journal of Clinical Medicine, 2022, 11, 2097.	1.0	7
215	Photosensitizers in Photodynamic Therapy of Choroidal Neovascularization. International Ophthalmology Clinics, 2004, 44, 63-80.	0.3	6
216	ANTIâ€"VASCULAR ENDOTHELIAL GROWTH FACTOR MONOTHERAPY VERSUS COMBINATION TREATMENT WITH PHOTODYNAMIC THERAPY FOR SUBFOVEAL CHOROIDAL NEOVASCULARIZATION SECONDARY TO CAUSES OTHER THAN AGE-RELATED MACULAR DEGENERATION. Retina, 2011, 31, 2078-2083.	1.0	6

#	Article	IF	Citations
217	Solving the Hydroxychloroquine Dosing Dilemma With a Smartphone App. JAMA Ophthalmology, 2018, 136, 218.	1.4	6
218	TDABC Cost Analysis of Ocular Disorders in an Ophthalmology Emergency Department versus Urgent Care: Clinical Experience at Massachusetts Eye and Ear. Journal of Academic Ophthalmology (2017), 2018, 10, e55-e60.	0.2	6
219	Local photoreceptor cell death differences in the murine model of retinal detachment. Scientific Reports, 2021, 11, 18798.	1.6	6
220	BASELINE PREDICTORS ASSOCIATED WITH 3-YEAR CHANGES IN DARK ADAPTATION IN AGE-RELATED MACULAR DEGENERATION. Retina, 2021, 41, 2098-2105.	1.0	6
221	Current Management of Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2021, 1256, 295-314.	0.8	6
222	Acadesine suppresses TNF-Î± induced complement component 3 (C3), in retinal pigment epithelial (RPE) cells. PLoS ONE, 2020, 15, e0244307.	1.1	6
223	Plasma Metabolomic Profiles Associated with Three-Year Progression of Age-Related Macular Degeneration. Metabolites, 2022, 12, 32.	1.3	6
224	Anecortave acetate: Author reply. Ophthalmology, 2004, 111, 2316-2317.	2.5	5
225	Infection, inflammation and age-related macular degeneration. Clinical and Experimental Ophthalmology, 2007, 35, 3-4.	1.3	5
226	Proton beam irradiation for non-AMD CNV: 2-year results of a randomised clinical trial. British Journal of Ophthalmology, 2014, 98, 1212-1217.	2.1	5
227	The Harvard angiogenesis story. Survey of Ophthalmology, 2014, 59, 361-364.	1.7	5
228	ThicknessTool: automated ImageJ retinal layer thickness and profile in digital images. Scientific Reports, 2020, 10, 18459.	1.6	5
229	Association of Human Plasma Metabolomics with Delayed Dark Adaptation in Age-Related Macular Degeneration. Metabolites, 2021, 11, 183.	1.3	5
230	Potential future targets for treating ocular neovascularization. Ophthalmology Clinics of North America, 2006, 19, 401-9.	1.8	5
231	Area under the dark adaptation curve as a reliable alternate measure of dark adaptation response. British Journal of Ophthalmology, 2022, 106, 1450-1456.	2.1	4
232	Risk Factors for Glaucoma Drainage Device Revision or Removal Using the IRIS Registry. American Journal of Ophthalmology, 2022, 240, 302-320.	1.7	4
233	Retinal artery occlusion in rabbit eyes using human atheroma. Current Eye Research, 1995, 14, 573-578.	0.7	3
234	Introducing Evangelos S. Gragoudas, the 2006 Recipient of the Weisenfeld Award. , 2006, 47, 4665.		3

#	Article	IF	Citations
235	Comparison of Progression to Advanced Stage between Polypoidal Choroidal Vasculopathy and Age-Related Macular Degeneration in Korea. Ophthalmology Retina, 2018, 2, 475-480.	1.2	3
236	Subthreshold Exudative Choroidal Neovascularization Associated With Age-Related Macular Degeneration Identified by Optical Coherence Tomography Angiography. Journal of Vitreoretinal Diseases, 2020, 4, 377-385.	0.2	3
237	Urinary Mass Spectrometry Profiles in Age-Related Macular Degeneration. Journal of Clinical Medicine, 2022, 11, 940.	1.0	3
238	Evaluation of Tissue Interactions with Mechanical Elements of a Transscleral Drug Delivery Device. Pharmaceutics, 2012, 4, 212-229.	2.0	2
239	Basic Mechanisms of Pathological Retinal and Choroidal Angiogenesis. , 2013, , 562-578.		2
240	An Experimental Animal Model of Photodynamic Optic Nerve Head Injury (PONHI). Current Eye Research, 2016, 41, 1498-1506.	0.7	2
241	Addendum to â€œPhotosensitizer delivery for photodynamic therapy of choroidal neovascularizationâ€• Advanced Drug Delivery Reviews, 2001, 53, 131.	6.6	1
242	Legacy of the Age-Related Eye Disorder Study. JAMA Ophthalmology, 2009, 127, 1680.	2.6	1
243	Neovascularization in diabetic retinopathy. , 2010, , 514-518.		1
244	Genetic factors and AMD. Canadian Journal of Ophthalmology, 2011, 46, 456-457.	0.4	1
245	Opportunities and Challenges in Translational Research: The Development of Photodynamic Therapy and Anti-Vascular Endothelial Growth Factor Drugs. Journal of Law, Medicine and Ethics, 2021, 49, 19-24.	0.4	1
246	Intraocular Neovascularization. , 2006, , 2403-2411.		1
247	An Ethical View of the Ranibizumab and Bevacizumab Controversyâ€”Reply. JAMA Ophthalmology, 2008, 126, 286.	2.6	0
248	Introduction. Seminars in Ophthalmology, 2009, 24, 127-127.	0.8	0
249	Reply. Ophthalmology, 2018, 125, e46-e47.	2.5	0
250	Validation of RetmarkerAMD as a semiautomatic grading software for AMD. Eye, 2020, 34, 600-602.	1.1	0
251	Reply. Ophthalmology Retina, 2021, 5, e4.	1.2	0
252	Photodynamic Therapy in Human Clinical Studies: Age-Related Macular Degeneration. , 2006, , 227-248.		0

#	Article	IF	Citations
253	Idiopathic Macular Telangiectasia. , 2020, , 1-18.		0
254	Re: Fairless etÂal.: Ophthalmology departments remain among the least diverse clinical departments at United States medical schools (Ophthalmology. 2021;128:1129-1134). Ophthalmology, 2022, 129, e7-e8.	2.5	0
255	Idiopathic Macular Telangiectasia. , 2022, , 3815-3831.		0