Yoko Ozawa

List of Publications by Year
in descending order

100 papers	3,963 citations	218381 26 h-index	182168 51 g-index
100 all docs	100 docs citations	100 times ranked	4567 citing authors

#	Article	IF	Citations
1	Suppression of Diabetes-Induced Retinal Inflammation by Blocking the Angiotensin II Type 1 Receptor or Its Downstream Nuclear Factor-ÎºB Pathway. , 2007, 48, 4342.		177
2	Clinical and Molecular Characteristics ofÂChildhood-Onset Stargardt Disease. Ophthalmology, 2015, 122, 326-334.	2.5	146
3	Neuroprotective Effects of Lutein in the Retina. Current Pharmaceutical Design, 2012, 18, 51-56.	0.9	141
4	Macular Pigment Lutein Is Antiinflammatory in Preventing Choroidal Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2555-2562.	1.1	140
5	(Pro)renin Receptorâ€“Mediated Signal Transduction and Tissue Renin-Angiotensin System Contribute to Diabetes-Induced Retinal Inflammation. Diabetes, 2009, 58, 1625-1633.	0.3	136
6	Neuroprotective Effect of an Antioxidant, Lutein, during Retinal Inflammation. , 2009, 50, 1433.		136
7	Interleukin-6 Receptor-Mediated Activation of Signal Transducer and Activator of Transcription-3 (STAT3) Promotes Choroidal Neovascularization. American Journal of Pathology, 2007, 170, 2149-2158.	1.9	132
8	Angiotensin II Type 1 Receptor Signaling Contributes to Synaptophysin Degradation and Neuronal Dysfunction in the Diabetic Retina. Diabetes, 2008, 57, 2191-2198.	0.3	125
9	Angiotensin II Type 1 Receptorâ€“Mediated Inflammation Is Required for Choroidal Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2252-2259.	1.1	115
10	Neuroprotective Effects of Angiotensin II Type 1 Receptor (AT1R) Blocker, Telmisartan, via Modulating AT1R and AT2R Signaling in Retinal Inflammation. , 2006, 47, 5545.		112
11	Roles of AMP-Activated Protein Kinase in Diabetes-Induced Retinal Inflammation. , 2011, 52, 9142.		107
12	The use of induced pluripotent stem cells to reveal pathogenic gene mutations and explore treatments for retinitis pigmentosa. Molecular Brain, 2014, 7, 45.	1.3	95
13	Suppression of Ocular Inflammation in Endotoxin-Induced Uveitis by Inhibiting Nonproteolytic Activation of Prorenin. , 2006, 47, 2686.		94
14	Resveratrol Prevents Light-Induced Retinal Degeneration via Suppressing Activator Protein-1 Activation. American Journal of Pathology, 2010, 177, 1725-1731.	1.9	91
15	Vision preservation during retinal inflammation by anthocyanin-rich bilberry extract: cellular and molecular mechanism. Laboratory Investigation, 2012, 92, 102-109.	1.7	91
16	Biological role of lutein in the light-induced retinal degeneration. Journal of Nutritional Biochemistry, 2012, 23, 423-429.	1.9	87
17	Lutein acts via multiple antioxidant pathways in the photo-stressed retina. Scientific Reports, 2016, 6, 30226.	1.6	85
18	Inhibition of Choroidal Neovascularization with an Anti-Inflammatory Carotenoid Astaxanthin. , 2008, 49, 1679.		82

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19	Suppression of Ocular Inflammation in Endotoxin-Induced Uveitis by Blocking the Angiotensin II Type 1 Receptor. , 2005, 46, 2925.		77
20	Predictive factors for non-response to intravitreal ranibizumab treatment in age-related macular degeneration. British Journal of Ophthalmology, 2014, 98, 1186-1191.	2.1	77
21	Neural Degeneration in the Retina of the Streptozotocin-Induced Type 1 Diabetes Model. Experimental Diabetes Research, 2011, 2011, 1-7.	3.8	74
22	Eicosapentaenoic Acid Is Anti-Inflammatory in Preventing Choroidal Neovascularization in Mice. , 2007, 48, 4328.		69
23	Disruption of Cell-Cell Junctions and Induction of Pathological Cytokines in the Retinal Pigment Epithelium of Light-Exposed Mice. , 2013, 54, 4555.		67
24	Roles of STAT3/SOCS3 Pathway in Regulating the Visual Function and Ubiquitin-Proteasome-dependent Degradation of Rhodopsin during Retinal Inflammation. Journal of Biological Chemistry, 2008, 283, 24561-24570.	1.6	65
25	Retinal Ganglion Cell Loss in Superoxide Dismutase 1 Deficiency. , 2011, 52, 4143.		63
26	Blue light-induced inflammatory marker expression in the retinal pigment epithelium-choroid of mice and the protective effect of a yellow intraocular lens material inÂvivo. Experimental Eye Research, 2015, 132, 48-51.	1.2	63
27	(Pro)renin Receptor Promotes Choroidal Neovascularization by Activating Its Signal Transduction and Tissue Renin-Angiotensin System. American Journal of Pathology, 2008, 173, 1911-1918.	1.9	62
28	Oxidative stress in the light-exposed retina and its implication in age-related macular degeneration. Redox Biology, 2020, 37, 101779.	3.9	61
29	Suppression of Choroidal Neovascularization by Inhibiting Angiotensin-Converting Enzyme: Minimal Role of Bradykinin. , 2007, 48, 2321.		51
30	Non-responsiveness to intravitreal aflibercept treatment in neovascular age-related macular degeneration: implications of serous pigment epithelial detachment. Scientific Reports, 2016, 6, 29619.	1.6	48
31	ABCA4Gene Screening by Next-Generation Sequencing in a British Cohort. , 2013, 54, 6662.		47
32	Resveratrol prevents the development of choroidal neovascularization by modulating AMP-activated protein kinase in macrophages and other cell types. Journal of Nutritional Biochemistry, 2014, 25, 1218-1225.	1.9	46
33	Neuroprotective effect of bilberry extract in a murine model of photo-stressed retina. PLoS ONE, 2017, 12, e0178627.	1.1	43
34	The Neuroprotective Effect of Rapamycin as a Modulator of the mTOR-NF-Î²B Axis during Retinal Inflammation. PLoS ONE, 2016, 11, e0146517.	1.1	43
35	VITRECTOMY FOR MYOPIC FOVEOSCHISIS WITH INTERNAL LIMITING MEMBRANE PEELING AND NO GAS TAMPONADE. Retina, 2014, 34, 455-460.	1.0	41
36	Biological effects of blocking blue and other visible light on the mouse retina. Clinical and Experimental Ophthalmology, 2014, 42, 555-563.	1.3	36

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37	Retinal Aging and Sirtuins. Ophthalmic Research, 2010, 44, 199-203.	1.0	34
38	n-3 Fatty Acid and Its Metabolite 18-HEPE Ameliorate Retinal Neuronal Cell Dysfunction by Enhancing MÃ¼ller BDNF in Diabetic Retinopathy. Diabetes, 2020, 69, 724-735.	0.3	31
39	Calorie restriction (CR) and CR mimetics for the prevention and treatment of age-related eye disorders. Experimental Gerontology, 2013, 48, 1096-1100.	1.2	29
40	Taurine rescues mitochondria-related metabolic impairments in the patient-derived induced pluripotent stem cells and epithelial-mesenchymal transition in the retinal pigment epithelium. Redox Biology, 2021, 41, 101921.	3.9	29
41	Angiotensin II type 1 receptor blockade suppresses light-induced neural damage in the mouse retina. Free Radical Biology and Medicine, 2014, 71, 176-185.	1.3	28
42	AMPK-NF-Î²B Axis in the Photoreceptor Disorder during Retinal Inflammation. PLoS ONE, 2014, 9, e103013.	1.1	27
43	Detection of early visual impairment in patients with epiretinal membrane. Acta Ophthalmologica, 2013, 91, e353-7.	0.6	26
44	SOCS3 is required to temporally fine-tune photoreceptor cell differentiation. Developmental Biology, 2007, 303, 591-600.	0.9	25
45	Neuroprotective role of retinal SIRT3 against acute photo-stress. Npj Aging and Mechanisms of Disease, 2017, 3, 19.	4.5	24
46	Distinct Responsiveness to Intravitreal Ranibizumab Therapy in Polypoidal Choroidal Vasculopathy With Single or Multiple Polyps. American Journal of Ophthalmology, 2016, 166, 52-59.	1.7	23
47	ADIPOR1 deficiency-induced suppression of retinal ELOVL2 and docosahexaenoic acid levels during photoreceptor degeneration and visual loss. Cell Death and Disease, 2021, 12, 458.	2.7	23
48	Angiopoietin-like Protein 2 Is a Multistep Regulator of Inflammatory Neovascularization in a Murine Model of Age-related Macular Degeneration. Journal of Biological Chemistry, 2016, 291, 7373-7385.	1.6	22
49	Predictive factors of better outcomes by monotherapy of an antivascular endothelial growth factor drug, ranibizumab, for diabetic macular edema in clinical practice. Medicine (United States), 2017, 96, e6459.	0.4	22
50	Early Signs of Exudative Age-Related Macular Degeneration in Asians. Optometry and Vision Science, 2014, 91, 849-853.	0.6	21
51	Dietary Spirulina Supplementation Protects Visual Function From Photostress by Suppressing Retinal Neurodegeneration in Mice. Translational Vision Science and Technology, 2019, 8, 20.	1.1	21
52	Neuroprotective response after photodynamic therapy: Role of vascular endothelial growth factor. Journal of Neuroinflammation, 2011, 8, 176.	3.1	20
53	Dynamic changes in choroidal conditions during anti-vascular endothelial growth factor therapy in polypoidal choroidal vasculopathy. Scientific Reports, 2019, 9, 11389.	1.6	20
54	Regulation of Posttranscriptional Modification as a Possible Therapeutic Approach for Retinal Neuroprotection. Journal of Ophthalmology, 2011, 2011, 1-8.	0.6	18

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55	Phase II enzyme induction by a carotenoid, lutein, in a PC12D neuronal cell line. Biochemical and Biophysical Research Communications, 2014, 446, 535-540.	1.0	18
56	ASSOCIATION OF MACULAR PIGMENT OPTICAL DENSITY WITH SERUM CONCENTRATION OF OXIDIZED LOW-DENSITY LIPOPROTEIN IN HEALTHY ADULTS. Retina, 2015, 35, 820-826.	1.0	18
57	Reninâ€“angiotensin system involvement in the oxidative stress-induced neurodegeneration of cultured retinal ganglion cells. Japanese Journal of Ophthalmology, 2013, 57, 126-132.	0.9	17
58	Neuroprotective role of superoxide dismutase 1 in retinal ganglionÂcells and inner nuclear layer cells against N-methyl-d-aspartate-induced cytotoxicity. Experimental Eye Research, 2013, 115, 230-238.	1.2	17
59	Vision Loss by Central Retinal Vein Occlusion After Kaatsu Training. Medicine (United States), 2015, 94, e1515.	0.4	17
60	Glaucomatous Visual Field Defect Severity and the Prevalence of Motor Vehicle Collisions in Japanese: A Hospital/Clinic-Based Cross-Sectional Study. Journal of Ophthalmology, 2015, 2015, 1-8.	0.6	17
61	Functional Visual Acuity in Age-Related Macular Degeneration. Optometry and Vision Science, 2016, 93, 70-76.	0.6	17
62	Absolute and estimated values of macular pigment optical density in young and aged Asian participants with or without age-related macular degeneration. BMC Ophthalmology, 2017, 17, 161.	0.6	17
63	Predicting recurrences of macular edema due to branch retinal vein occlusion during anti-vascular endothelial growth factor therapy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 49-56.	1.0	17
64	Suppression of Choroidal Neovascularization by Dendritic Cell Vaccination Targeting VEGFR2. , 2007, 48, 4795.		14
65	Intraoperative and fluorescein angiographic findings of a secondary macular hole associated with age-related macular degeneration treated by pars plana vitrectomy. BMC Ophthalmology, 2014, 14, 114.	0.6	14
66	Aquaporin 4 Suppresses Neural Hyperactivity and Synaptic Fatigue and Fine-Tunes Neurotransmission to Regulate Visual Function in the Mouse Retina. Molecular Neurobiology, 2019, 56, 8124-8135.	1.9	14
67	Reninâ€“angiotensin system impairs macrophage lipid metabolism to promote age-related macular degeneration in mouse models. Communications Biology, 2020, 3, 767.	2.0	14
68	Neuroprotective and visionâ€protective effect of preserving ATP levels by AMPK activator. FASEB Journal, 2020, 34, 5016-5026.	0.2	14
69	The Area and Number of Intraretinal Cystoid Spaces Predict the Visual Outcome after Ranibizumab Monotherapy in Diabetic Macular Edema. Journal of Clinical Medicine, 2020, 9, 1391.	1.0	13
70	Macular Pigment Optical Density and Photoreceptor Outer Segment Length as Predisease Biomarkers for Age-Related Macular Degeneration. Journal of Clinical Medicine, 2020, 9, 1347.	1.0	13
71	Relationships of diabetes and hyperglycaemia with intraocular pressure in a Japanese population: the JPHC-NEXT Eye Study. Scientific Reports, 2020, 10, 5355.	1.6	12
72	Neuroprotective effect of activated 5â€²-adenosine monophosphate-activated protein kinase on cone system function during retinal inflammation. BMC Neuroscience, 2016, 17, 32.	0.8	10

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73	Correlation between Macular Pigment Optical Density and Neural Thickness and Volume of the Retina. Nutrients, 2020, 12, 888.	1.7	10
74	High Myopia and Its Associated Factors in JPHC-NEXT Eye Study: A Cross-Sectional Observational Study. Journal of Clinical Medicine, 2019, 8, 1788.	1.0	9
75	Retinal inflammation diagnosed as an idiopathic macular hole with multiple recurrences and spontaneous closures. Medicine (United States), 2019, 98, e14230.	0.4	9
76	Benefits of aflibercept treatment for age-related macular degeneration patients with good best-corrected visual acuity at baseline. Scientific Reports, 2018, 8, 58.	1.6	8
77	Association between axial length and choroidal thickness in early age-related macular degeneration. PLoS ONE, 2020, 15, e0240357.	1.1	8
78	Neuroprotective Effect of 4-Phenylbutyric Acid against Photo-Stress in the Retina. Antioxidants, 2021, 10, 1147.	2.2	8
79	Acute Visual Field Defect following Vitrectomy Determined to Originate from Optic Nerve by Electrophysiological Tests. Case Reports in Ophthalmology, 2012, 3, 396-405.	0.3	7
80	QD laser eyewear as a visual field aid in a visual field defect model. Scientific Reports, 2019, 9, 1010.	1.6	7
81	Effect of axial length and age on the visual outcome of patients with idiopathic epiretinal membrane after pars plana vitrectomy. Scientific Reports, 2019, 9, 19056.	1.6	7
82	Effects of Epigenetic Modification of PGC-1Î± by a Chemical Chaperon on Mitochondria Biogenesis and Visual Function in Retinitis Pigmentosa. Cells, 2022, 11, 1497.	1.8	7
83	Ultra-Widefield Retinal Imaging for Analyzing the Association Between Types of Pathological Myopia and Posterior Staphyloma. Journal of Clinical Medicine, 2019, 8, 1505.	1.0	6
84	Risk of newly developing visual field defect and neurodegeneration after pars plana vitrectomy for idiopathic epiretinal membrane. British Journal of Ophthalmology, 2021, 105, 1683-1687.	2.1	5
85	Effects of intraocular treatments for Epstein-Barr virus (EBV) retinitis. Medicine (United States), 2021, 100, e28101.	0.4	5
86	Sneddon's syndrome with optic disc macroaneurysm and macular edema successfully treated with subtenon steroid injection. Acta Ophthalmologica, 2016, 94, e517-9.	0.6	4
87	Spatial-sweep steady-state pattern electroretinography can detect subtle differences in visual function among healthy adults. Scientific Reports, 2019, 9, 18119.	1.6	4
88	Lutein and Oxidative Stress-Mediated Retinal Neurodegeneration in Diabetes. , 2014, , 223-229.		3
89	Relationship between nerve fiber layer defect and the presence of epiretinal membrane in a Japanese population: The JPHC-NEXT Eye Study. Scientific Reports, 2020, 10, 779.	1.6	3
90	Factors associated with achieving intraocular pressure lower than 15ÂmmHg by Trabectome surgery in primary open-angle glaucoma. Scientific Reports, 2021, 11, 14308.	1.6	2

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91	Oxidative Stress in the RPE and Its Contribution to AMD Pathogenesis: Implication of Light Exposure. , 2014, , 239-253.		2
92	Arm-to-retina time predicts visual outcome of anti-vascular endothelial growth factor treatment for macular edema due to central retinal vein occlusion. Scientific Reports, 2022, 12, 2194.	1.6	2
93	Non-Perfusion Area Index for Prognostic Prediction in Diabetic Retinopathy. Life, 2022, 12, 542.	1.1	2
94	Dynamic changes in neural retinal images during the development of a lamellar macular hole. Medicine (United States), 2019, 98, e18297.	0.4	1
95	Hyperreflective Material in Optical Coherence Tomography Images of Eyes with Myopic Choroidal Neovascularization May Affect the Visual Outcome. Journal of Clinical Medicine, 2020, 9, 2394.	1.0	1
96	Closure of macular hole secondary to ischemic hemi-central retinal vein occlusion by retinal photocoagulation and topical anti-inflammatory treatment. Lasers in Medical Science, 2021, 36, 469-471.	1.0	1
97	Shorter Axial Length Is a Risk Factor for Proliferative Vitreoretinopathy Grade C in Eyes Unmodified by Surgical Invasion. Journal of Clinical Medicine, 2021, 10, 3944.	1.0	1
98	Possibility of measuring lutein in the retina by confocal micro-imaging system. International Journal of Nanomanufacturing, 2014, 10, 321.	0.3	0
99	Reply. American Journal of Ophthalmology, 2016, 169, 295-296.	1.7	0
100	Ocular and Systemic Effects of Antioxidative Supplement Use in Young and Healthy Adults: Real-World Cross-Sectional Data. Antioxidants, 2020, 9, 487.	2.2	0